

TaRGeT Use Case Document

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ABSTRACT: The purpose of this document is to present the scenarios that may be performed by the TaRGeT's users.

KEYWORDS: use cases, TaRGeT, model-based test generation tool

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1. Introduction

1.1 Purpose

The purpose of this document is to present the scenarios that may be performed by the TaRGeT's users. It will be used as input to the TaRGeT in order to automatically generate test cases.

1.2 Target Audience

This document is intended to be used by the BTC Research Project developers who are working on or are related to the TaRGeT development. However, the document may be useful to TaRGeT users.

1.3 Abbreviations, Acronyms and Definitions

TaRGeT - Test and Requirements Generation Tool

BTC - Brazil Test Center

PM - Project Manager

UI - User Interface

RTM - Requirements Traceability Matrix

1.4 References

[1] TaRGeT Software Requirements Document

1.5 Problem Reporting Instructions

Problems and corrections to this document should be reported to Michelle Silva (mcms@cin.ufpe.br) or Paulo Borba (phmb@cin.ufpe.br).

2. Use Cases

This section describes the TaRGeT use cases. The use cases were grouped to make easier the identification and reading. The use cases groups are:

- Initializing TaRGeT describes the scenario in which the TaRGeT is started up;
- Managing Projects these use cases describe scenarios in which TaRGeT projects are created, opened and closed.
- Managing Documentation scenario that treats the management of documentation artifacts. It includes importing use cases documents to the TaRGeT project, viewing the documentation and updating it.
- Generating Test Suites describes all scenarios related to test and RTM generation.
- Others this group includes use cases about the Help window and the About window.

Consider that some graphical interface details (icons, images, etc.) will not be covered here. Further information about interface details should be verified in [1].

2.1 Initializing TaRGeT

This section presents the use case Opening TaRGeT.

2.1.1 UC 01 - Opening TaRGeT

It describes how the TaRGeT should behave when it is started up.

Setup: [setup]

Main Flow

SC 01

Description: Start up the TaRGeT with .NET and Java runtime environment

installed.

From Step: START To Step: END

1M	Start the TaRGeT.	The .NET and Java runtime environment are installed in the machine (see requirements for further information about Java and .NET versions) [ER_TARGET_0020, ER_TARGET_0025]	A splash screen is displayed. Verify the requirements document to check the splash screen. [FR_TARGET_0220]
2M	Wait some seconds.	[condition]	The TaRGeT is started. No TaRGeT project is opened. A background image is displayed (see requirements document for more details). [FR_TARGET_0225]

Exception Flows

SC_02

Description: Start up the TaRGeT when .NET runtime environment is not

installed in the machine.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1A	Try to start the	Java runtime	A message is
	TaRGeT.	environment is	displayed informing
		installed in the	that an error has
		machine. The .NET	occurred and asking
		runtime environment	the user to see the
		is not installed in	log file.
		the machine (see	[FR TARGET 0230]
		requirements for	
		further information	
		about Java and .NET	
		versions).	
		[ER TARGET 0020,	
		ER_TARGET_0025]	

sc_03

Description: Start up the TaRGeT when Java runtime environment is not

installed in the machine.

Step Id User Action	System State	System Response
---------------------	--------------	-----------------

1B	Try to start the	The Java runtime	A message is
	TaRGeT.	environment is not	displayed informing
		installed in the	that no JRE is
		machine (see	installed. The TaRGeT
		requirements for	is not started up.
		further information	[FR TARGET 0230]
		about Java version).	
		[ER_TARGET_0020]	

2.2 Managing Projects

This section presents the use cases related to the management of a TaRGeT project.

2.2.1 UC 05 - Creating a Project from Blank Work Area

Create a TaRGeT project.

Setup: [setup]

Main Flow

SC_01

Description: Create a new project.

Step Id	User Action	System State	System Response
1M	Go to "File"	The TaRGeT is already	The "New Project"
	option in the menu bar.	started up. No project is opened.	option is enabled in the drop down menu.
	menu bar.	project is opened.	The Close Project
			option is disabled.
2M	Select the "New	[condition]	The "New Project"
	Project" option.	[condition]	screen is displayed.
	[FR_TARGET_0020]		The default project
			name is displayed in
			the "Project Name"
			field. The default
			project location is
			displayed in the
			"Destination Folder"
			field.

3M	Click on "Finish" button.	[condition]	A progress bar is displayed. A new
			project work area is
			displayed. The
			project folder is
			created in the
			specified location.
			[FR_TARGET_0110,
			FR_TARGET_0010]

SC_02

Description: Type a valid project name.

From Step: 2M To Step: 3M

Step Id	User Action	System State	System Response
1A	Type a valid	[condition]	The "Project Name"
	project name.	[condition]	field is filled.
			[FR_TARGET_0025]

sc_03

Description: Cancel the project creation.

From Step: 2M, 1A, 1C

To Step: END

Step Id	User Action	System State	System Response
1B	Click on the "Cancel" button.	[condition]	The tool goes back to the window it was before the project creation.

SC_04

Description: Browse destination folder.

From Step: 2M, 1A

To Step: 3M

Step Id	User Action	System State	System Response
1C	Browse and select	[condition]	The "Destination
	the location in	[condition]	Folder" field is
	which the project		filled.
	shall be created.		

Description: Create the project using shortcut.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1H	Press CTRL+N.	[condition]	The "New Project" screen is displayed. The default project name is displayed in the "Project Name" field. The default project location is displayed in the "Destination Folder" field. [FR TARGET 0020]
2Н	Click on "Finish" button.	[condition]	A progress bar is displayed. A new project work area is displayed. The project folder is created in the specified location. [FR_TARGET_0110, FR_TARGET_0010]

Exception Flows

sc_06

Description: Type an invalid project name.

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1D	Type an invalid	[condition]	A message is
	project name	[condition]	displayed indicating
	(e.g. with one of		that some characters
	the following		are not allowed. The
	characters		"Finish" button is
	":\/<>?*).		disabled.
			[FR_TARGET_0025]

SC_07

Description: No project name is typed.

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1E	Type a blank project name. [FR_TARGET_0025]	[condition]	A message is displayed indicating that a name must be specified. The "Finish" button is disabled.

sc_08

Description: Project directory already exists.

From Step: 2M To Step: END

Step Id	User Action	System State	System Response
1F	Type a valid project name. [FR TARGET 0025]	[condition]	The "Project Name" field is filled.
2F	Browse and select the location in which there is a directory with the same name of the project.	[condition]	The "Destination Folder" field is filled.
3F	Click on "Finish" button.	[condition]	A dialog is displayed indicating that the project folder already exists. The dialog asks if the user you want to proceed and erase all content of the folder. [FR_TARGET_0020]
4 F	Click on "Yes" button.	[condition]	All the folder contents is deleted and the new project is created.

sc_09

Description: Do not delete all folder contents.

From Step: 3F
To Step: END

Step Id	User Action	System State	System Response
1G	Click on "No" button.	[condition]	The focus goes back to the "New Project" window.

2.2.2 UC 10 - Creating a Project from an Already Opened Project

A project is already opened.

Setup: [setup]

Main Flow

SC_01

Description: A project is already opened.

From Step: START

To Step: UC 05#3M, UC 05#1A, UC 05#1B, UC 05#1C, UC 05#1D, UC 05#1E, UC 05#1F

Step Id	User Action	System State	System Response
1M	Go to "File"	The TaRGeT is already	The "New Project"
	option in the	started up. A project	option is enabled in
	menu bar.	is already opened.	the drop down menu.
2M	Select the "New	[condition]	A dialog box is
	Project" option.	[condition]	displayed informing
	[FR_TARGET_0020]		that the current
			project will be
			closed in order to
			create a new one.
3M	Click on "Yes"	[condition]	The current project
	button.	[condition]	is closed. The "New
			Project" screen is
			displayed. The
			default project name
			is displayed in the
			"Project Name" field.
			The default project
			location is displayed
			in the "Destination
			Folder" field.

Alternative Flow

SC_02

Description: Cancel the project creation.

From Step: 2M To Step: END

Step Id User Action System State System Res	ponse
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1A	Click on "No" button.	[condition]	The popup is closed and the tool goes back to the main window with the
			previous project opened.
			opened.

2.2.3 UC 15 - Closing a Project

Close a project.

Setup: [setup]

Main Flow

SC_01

Description: Close a project.

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Go to "File"	TaRGeT is started up	The "Close Project"
	option in the	and a project is	option is enabled.
	menu bar.	already opened.	
2M	Select the "Close	[condition]	A message is
	Project" option.	[condition]	displayed asking if
	[FR TARGET 0035]		the user really wants
			to close the project.
3M	Click on "Yes"	[condition]	The project is
	button.	[condition]	closed. The blank
			project area is
			displayed. The
			background image is
			shown.
			[FR_TARGET_0225]

Alternative Flows

SC_02

Description: Cancel the project closing.

From Step: 2M To Step: END

Step Id User Action System State	System Response
----------------------------------	-----------------

1A	Click on "No" button.	[condition]	The popup is closed and the tool goes back to the main
			window.

Description: Resign Close a project using shortcut.

From Step: START To Step: 3M

Step Id	User Action	System State	System Response
1B	Press CTRL+W.	[condition]	A message is displayed asking if the user really wants to close the project.

[FR TARGET 0035]

2.2.4 UC 20 - Opening an Existing Project from Blank Work Area

Open an existing project.

Setup: [setup]

Main Flow

SC_01

Description: Open an existing project.

Step Id	User Action	System State	System Response
1M	Go to "File"	TaRGeT is already	The "Open Project"
	option in the	started up. No	option is enabled.
	menu bar.	project is opened.	
2M	Select the "Open	[condition]	The "Open Project"
	Project" option.	[condition]	window is displayed.
	[FR_TARGET_0040]		No project is
			selected. The
			"Finish" button is
			disabled.
3M	Browse and select	[condition]	The "Project Name"
	an existing	[condition]	field is now filled.
	project.		The "Finish" button
			is enabled.

4M	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the selected existing project is being opened. After, the existing project is opened. The project work area is
			project work area is displayed.
			[FR_TARGET_0110]

SC_02

Description: Cancel the project opening.

From Step: 2M, 3M To Step: END

Step Id	User Action	System State	System Response
1A	Click on "Cancel"	[condition]	The tool goes to the
	button.	[condition]	blank work area. No
			project is opened.
			[FR_TARGET_0225]

sc_03

Description: Open using shortcut.

From Step: START
To Step: 3M

Step Id	User Action	System State	System Response
18	Press CTRL+O.	[condition]	The "Open Project" window is displayed. No project is selected. The "Finish" button is disabled. [FR TARGET 0040]

$\underline{2.2.5}$ $\underline{\text{UC }25}$ - Opening an Existing Project from an Already Opened Project

A project is already opened.

Setup: [setup]

Main Flow

Description: Open an existing project from an already opened project.

From Step: START To Step: UC_20#3M

Step Id	User Action	System State	System Response
1M	Go to "File"	TaRGeT is already	The "Open Project"
	option in the	started up. A project	option is enabled.
	menu bar.	is already opened.	
2M	Select the "Open Project" option. [FR_TARGET_0040]	[condition]	A dialog box is displayed informing that the current project will be closed in order to open another one.
3M	Click on "Yes" button.	[condition]	The "Open Project" screen is displayed.

Alternative Flow

SC_02

Description: Cancel the project opening.

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1A	Click on "No"	[condition]	The dialog box is
	button.	[condition]	closed and the
			current project work
			area is displayed.

2.2.6 UC 26 - Refreshing a Project

Refresh a project.

Setup: [setup]

Main Flow

SC_01

Description: Refresh a project.

From Step: START
To Step: UC_90#1M

1M	Go to "Project" option in the	[condition]	A menu with two options shall appear:
	menu bar.		"Refresh
			Automatically" and
			"Refresh Project".
			"Refresh
			Automatically" option
			is checked.
			[FR_TARGET_0015]

SC_02

Description: "Refresh automatically" option disabled.

From Step: 1M
To Step: END

Step Id	User Action	System State	System Response
1A	Click in "Refresh Automatically" option.	TaRGeT is already started up. A project is already opened.	"Refresh Automatically" option is not checked.
2A	Open an already imported Use Case Document with the Microsoft Word (outside the TaRGeT).	There is at least one imported Use Case Document. [FR_TARGET_0100]	The document is opened in the default viewer outside the Target.
3A	Modify any field in Use Case Document and save the document.	[condition]	The document is modified.
4A	Go back to TaRGeT work area.	[condition]	The project is not refreshed.
5A	Go to "Project" in the menu bar and select "Refresh project" option.	[condition]	A progress bar is displayed while the project is being refreshed. [FR_TARGET_0110, FR_TARGET_0015]

sc_03

Description: "Refresh automatically" option enabled.

From Step: 1M
To Step: END

Step Id User Action System State System	n Response
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1B	Go to "Project" in the menu bar	[condition]	The project is refreshed.
	and select		[FR TARGET 0015]
	"Refresh project" option.		

Description: Using the Refresh shortcut.

From Step: 3A To Step: END

Step Id	User Action	System State	System Response
1C	Press CTRL+R.	[condition]	A progress bar is displayed while the project is being refreshed. [FR_TARGET_0110, FR_TARGET_0015]
			FK_TAKGET_UUI5]

2.3 Managing Documentation

This section presents the use cases related to documentation management. They describe how the documents are imported, viewed, renamed, deleted and updated.

2.3.1 UC 30 - Importing Valid Use Case Documents

Import Use Case Documents.

Setup: [setup]

Main Flow

SC_01

Description: Import Use Case Documents.

Step Id	User Action	System State	System Response
1M	Go to "Artifacts"	TaRGeT is started up.	The "Import Use Case
	option in the	A project is already	Documents" option is
	menu bar.	opened.	enabled.

2M	Select "Import Use Case Documents" option. [FR_TARGET_0100]	[condition]	The "Import Documents" window is displayed. The "Finish" button is disabled.
3M	Select "Add Document" button and browse a valid Use Case Document.	No document is imported.	The selected document path is inserted in the "Documents To Import" list. The "Finish" button is enabled.
4M	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document(s) is (are) being processed and imported. [FR_TARGET_0110]
5M	Wait the progress bar.	[condition]	The imported document(s) is (are) placed in a specific folder and displayed in the "Artifacts" View. The imported use cases are displayed in the "Use Cases" View. [FR_TARGET_0010, FR_TARGET_0015]

SC_02

Description: Import another document. From Step: 3M To Step: 4M

Step Id	User Action	System State	System Response
Step Id	Select "Add Document" button and browse another valid Use Case Document. The document must not have	Another document has to be inserted on the "Documents To Import" list.	The selected document path is inserted in the "Documents To Import" list.
	duplicated feature ids, when compared with the already browsed document.		

Description: Cancel the importing.

From Step: 2M, 3M To Step: END

Step Id	User Action	System State	System Response
1B	Click on "Cancel" button.		The focus goes back to the project work

SC_04

Description: Import through shortcut.

From Step: START
To Step: 3M

Step Id	User Action	System State	System Response
1C	Press CTRL+I.	[condition]	The "Import
		[condition]	Documents" window is
			displayed. The
			"Finish" button is
			disabled.

2.3.2 UC 35 - Importing a Use Case Document With Duplicated Feature ID

Use Case Document has duplicated feature ID.

Setup: [setup]

Main Flow

SC_01

Description: Imported Use Case Document has duplicated feature ID.

From Step: UC 30#2M

To Step: END

1M	Select "Add Document" button and browse a Use Case Document with duplicated feature ID. This means that the document contains at least two features with the same ID.	There is no imported document.	The selected document path is inserted in the "Documents To Import" list. The "Finish" button is enabled.
2M	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document is being processed. [FR_TARGET_0110]
3M	Wait the progress bar.	[condition]	An error dialog is displayed indicating that the document that has duplicated feature id [FR_TARGET_0125]
4M	Click on "OK" button.	[condition]	The selected document(s) will not be imported. The focus goes back to "Import Documents" window.

2.3.3 UC 40 - Importing a Use Case Document With Duplicated Use Case

Use Case Document has duplicated use case ID.

Setup: [setup]

Main Flow

SC_01

Description: Imported Use Case Document has duplicated use case ID.

From Step: UC_30#2M

To Step: END

1M	Select "Add Document" button and browse a Use Case Document with duplicated use case ID. This means that the document contains a feature that	No document is imported.	The selected document path is inserted in the "Documents To Import" list. The "Finish" button is enabled.
	has at least two use cases with the same ID.		
2М	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document is being processed. [FR_TARGET_0110]
3М	Wait the progress bar.	[condition]	An error dialog is displayed indicating the document that has duplicated use case ID. [FR_TARGET_0125]
4M	Click on "OK" button.	[condition]	The selected document(s) will not be imported. The focus goes back to "Import Documents" window.

2.3.4 UC 45 - Importing a Use Case Document With Invalid Structure

Use Case Document has invalid structure.

Setup: [setup]

Main Flow

SC_01

Description: Imported Use Case Document has an invalid structure.

From Step: UC_30#2M

Step Id	User Action	System State	System Response
1M	Select "Add	No document is	The selected document
	Document" button	imported.	path is inserted in
	and browse a Use		the "Documents To
	Case Document		Import" list. The
	with invalid		"Finish" button is
	structure.		enabled.

2М	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document is being processed. [FR_TARGET_0110]
3M	Wait the progress bar.	[condition]	An error dialog is displayed indicating the document that has an error. [FR_TARGET_0125]
4 M	Click on "OK" button.	[condition]	The selected document(s) will not be imported. The focus goes back to "Import Documents" window.

SC_02

Description: Import another document.

From Step: 1M To Step: 2M

Step Id	User Action	System State	System Response
1A	Click on "Add	Another document has	The selected document
	Document" button	to be imported.	path is inserted in
	and browse		the "Documents To
	another valid Use		Import" list.
	Case Document.		

SC_03

Description: Cancel the importing.

From Step: 4M To Step: END

Step Id	User Action	System State	System Response
1B	Click on "Cancel" button.	LCONDITION	The focus goes back to the project work area.

$\frac{2.3.5}{\text{Field}}$ UC 50 - Importing a Use Case Document with an Empty Mandatory

Use Case Document has an empty mandatory field.

Setup: [setup]

Main Flow

SC_01

Description: Selected Use Case Document has an empty mandatory field.

From Step: UC_30#2M

To Step: END

Step Id	User Action	System State	System Response
1M	Select "Add	No document is	The selected document
	Document" button	imported.	path is inserted in
	and browse a Use		the "Documents To
	Case Document		Import" list. The
	with an empty		"Finish" button is
	mandatory field.		enabled.
2M	Click on "Finish"	[condition]	An error dialog is
	button.	[condition]	displayed indicating
			that the document has
			an error in the xml
			structure.
			[FR_TARGET_0125]
3M	Click on "OK"	[condition]	The selected
	button.	[condition]	document(s) will not
			be imported. The
			focus goes back to
			"Import Documents"
			window.

$\underline{2.3.6}$ $\underline{\text{UC }55}$ - Importing a Use Case Document With Invalid Step ID References

Use Case Document has invalid id references.

Setup: [setup]

Main Flow

SC_01

Description: The selected Use Case Document contains invalid id references.

From Step: UC_30#2M

To Step: END

1M	Select "Add	No document is	The selected document
	Document" button	imported.	path is inserted in
	and browse a Use		the "Documents To
	Case Document		Import" list. The
	with invalid ID		"Finish" button is
	references.		enabled.
2M	Click on "Finish"	[condition]	A progress bar is
	button.	[condition]	displayed indicating
			that the document is
			being processed.
			[FR_TARGET_0110]
3M	Wait the progress	[condition]	A warning message is
	bar.	[condition]	displayed indicating
			that the document
			contains errors.
4M	Click on "OK"	[condition]	The imported document
	button.	[condition]	is placed in the
			documents folder and
			is displayed in the
			"Artifacts" View. The
			imported use cases
			are displayed in the
			"Use Cases" View. A
			special icon
			indicates the use
			cases with invalid
			references. Also the
			error view displays
			details about invalid
			id references and/or
			duplicated ids.
			[FR_TARGET_0010,
			FR_TARGET_0120]

SC_02

Description: Import another valid document. From Step: $\ensuremath{\mathsf{IM}}$

To Step: 2M

Step Id	User Action	System State	System Response
1A	Select "Add	Another document has	The selected document
	Document" button	to be imported.	path is inserted in
	and browse		the "Documents To
	another valid Use		Import" list.
	Case Document.		

2.3.7 UC 60 - Importing a Use Case Document With Duplicated Step IDs

Use Case Document has duplicated Step IDs.

Setup: [setup]

Main Flow

SC 01

Description: The selected Use Case Document contains duplicated Step Ids.

From Step: UC_30#2M

Step Id	User Action	System State	System Response
1M	Select "Browser" button and browse a Use Case Document with duplicated step ids. The document contains at least two steps in a use case with the same ID.	No document is imported.	The selected document path is inserted in the "Documents To Import" list. The "Finish" button is enabled.
2M	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document is being processed. [FR_TARGET_0110]
3M	Wait the progress bar.	[condition]	A warning message is displayed indicating that the document contains errors.
4M	Click on "OK" button.	[condition]	The imported document is placed in the documents folder and is displayed in the "Artifacts" View. The imported use cases are displayed in the "Use Cases" View. A special icon indicates the use cases with invalid references. Also the error view displays details about invalid id references and/or duplicated ids. [FR_TARGET_0010, FR_TARGET_0120]

SC 02

Description: Select another document (valid).

From Step: 1M To Step: 2M

Step Id	User Action	System State	System Response
1A	Select "Add		The selected document
	Document" button		path is inserted in
	and browse		the "Documents To
	another valid Use		Import" list.
	Case Document.		

2.3.8 UC 63 - Importing a Use Case Document with a Feature Already Imported.

The documents have at least one feature with same name and ID. Another Use Case Document is already imported.

Setup: [setup]

Main Flow

SC 01

 $\hbox{\tt Description: A Use Case Document is already imported. The Use Case Documents}$

have at least one common feature with same ID and name.

From Step: UC 30#2M

Step Id	User Action	System State	System Response
1M	Select "Add	There is at least one	The "Import
	Document" button	valid document	Documents" window is
	and browse a	imported in the	displayed. The
	valid Use Case	project.	"Finish" button is
	Document. The		enabled.
	document and the		
	already imported		
	document have at		
	least one common		
	feature with same		
	ID and name and		
	the use cases IDs		
	are different.		

2М	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document(s) is (are) being processed and imported. [FR_TARGET_0110]
3M	Wait the progress bar.	[condition]	The imported document is placed in a specific folder and displayed in the "Artifacts" view. The imported use cases are displayed in the "Use Cases" view. The feature icon in the "Use Cases" view shows that the feature was merged. [FR_TARGET_0010, FR_TARGET_0100]

SC_02

Description: A Use Case Document is already imported. The Use Case Documents

have at least one common feature with same ID and different names.

From Step: UC_30#2M

Step Id	User Action	System State	System Response
1A	Select "Add Document" button and browse a valid Use Case Document. The document and the already imported document have at least one common feature with same ID but different names and the use cases IDs are different.	There is at least one valid document imported in the project.	The "Import Documents" window is displayed. The "Finish" button is enabled.
2A	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document(s) is (are) being processed and imported. [FR_TARGET_0110]

3A	Wait the progress	[condition]	The imported document
	bar.	[condition]	is placed in a
			specific folder and
			displayed in the
			"Artifacts" View. The
			imported use cases
			are displayed in the
			"Use Cases" View. The
			feature icon in the
			"Use Cases" view
			shows that the
			feature was merged. A
			new warning is
			displayed in the
			"Error" view
			indicating that the
			features have same ID
			but different names.
			[FR_TARGET_0010,
			FR_TARGET_0100,
			FR_TARGET_0120]

Description: The document contains a feature with same ID of another feature that belongs to a previously imported document.

From Step: UC_30#2M

Step Id	User Action	System State	System Response
1B	Select "Add Document" button and browse a valid Use Case Document. The document and the already imported document have at least one common feature with same ID. The features have at least one use case with same ID.	There is at least one valid imported document.	The selected document path is inserted in the "Documents To Import" list.
2В	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document is being processed. [FR_TARGET_0110]
3В	Wait the progress bar.	[condition]	An error dialog is displayed indicating the document that has an error. [FR_TARGET_0125]

4B	Click on "OK" button.	[condition]	The selected document(s) will not
			be imported. The
			focus goes back to
			"Import Documents"
			window.

2.3.9 UC 65 - Viewing Use Case Documents with Microsoft Word

Viewing Use Case Documents with Microsoft Word.

Setup: [setup]

Main Flow

SC_01

Description: Double-click on the document.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M			The Microsoft Word is
	Use Case Document	in TaRGeT. The	invoked and the
	in the	project has at least	document is opened.
	"Artifacts" view.	one MS Word imported	[FR TARGET 0005]
		document.	

2.3.10 UC 165 - Viewing Use Case Documents in XML Format

Viewing Use Case Documents in XML format with default program in the Operational System.

Setup: [setup]

Main Flow

SC_01

Description: Double-click on the document.

From Step: START To Step: END

1M	Double-click on a	A project is opened	The Operational
	Use Case Document	in TaRGeT. The	System's default
	in the	project has at least	program to open XML
	"Artifacts" view.	one XML imported	files is invoked and
		document.	the document is
			opened.
			[FR_TARGET_0005]

2.3.11 UC 166 - Viewing Use Case Documents in Microsoft Excel Format

Viewing Use Case Documents in XLS format with Microsoft Excel.

Setup: [setup]

Main Flow

SC_01

Description: Double-click on the document.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M			The Microsoft Excel
	Use Case Document	in TaRGeT. The	is invoked and the
	in the	project has at least	document is opened.
	"Artifacts" view.	one MS Excel imported	[FR TARGET 0005]
		document.	

2.3.12 UC 70 - Viewing Valid Use Case in HTML Format

Viewing Use Case Documents in HTML format.

Setup: [setup]

Main Flow

SC_01

Description: View valid Use Case Documents in HTML format in the main panel,

by double-clicking the use case.

Step Id	User Action	System State	System Response
1M	Double-click on a	A project is opened	The selected Use Case
	use case in the	in TaRGeT. The	is displayed in HTML
	"Use Cases" view.	project has at least	format in the main
		one imported valid	panel.
		Use Case Document.	[FR_TARGET_0130]

SC_02

Description: View Use Case Documents in HTML format in the main panel, by

right-clicking the use case.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1A	Right-click on a use case in the "Use Cases" view.	A project is opened in TaRGeT. The project has at least one imported valid Use Case Document.	A drop down menu is displayed with two options.
2A	Select "Open in default view" option.	[condition]	The selected Use Case is displayed in HTML format in the main panel. [FR_TARGET_0130]

SC_03

Description: View Use Case Documents in HTML format in the default browser, by

right-clicking the use case.

Step Id	User Action	System State	System Response
1B	Right-click on a	A project is opened	A drop down menu is
	use case in the	in TaRGeT. The	displayed with two
	"Use Cases" view.	project has at least	options.
		one imported valid	
		Use Case Document.	
2B	Select "Open with	[condition]	The selected Use Case
	default browser"	[condition]	is displayed in HTML
	option.		format in the default
			browser.
			[FR_TARGET_0130]

2.3.13 UC 71 - Viewing Invalid Use Case in HTML Format

Viewing Use Case Documents in HTML format when they have some error.

Setup: [setup]

Main Flow

SC 01

Description: View Use Case Documents with duplicated step ID in HTML format in the main panel, by double-clicking the use case.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a	A project is opened	The selected Use Case
	use case with	in TaRGeT. The	is displayed in HTML
	duplicated step	project has at least	format in the main
	ID in the "Use	one imported use case	panel. The duplicated
	Cases" view.	with duplicated step	steps IDs are
		ID.	highlighted.
			[FR TARGET 0130]

Alternative Flows

SC_02

Description: View Use Case Documents with invalid step ID reference in HTML format in the main panel, by right-clicking the use case.

Step Id	User Action	System State	System Response
1A	Right-click on a use case with invalid step ID reference in the "Use Cases" view.	A project is opened in TaRGeT. The project has at least one imported use case with invalid step ID reference.	A drop down menu is displayed with two options.
2A	Select "Open in default view" option.	[condition]	The selected Use Case is displayed in HTML format in the main panel. The invalid step ID reference is highlighted. [FR_TARGET_0130]

Description: View Use Case Documents with invalid step ID reference in HTML

format in the default browser, by right-clicking the use case.

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1B	Right-click on a use case with invalid step ID reference in the "Use Cases" view.	A project is opened in TaRGeT. The project has at least one imported use case with invalid step ID	A drop down menu is displayed with two options.
		reference.	
2В	Select "Open with default browser" option.	[condition]	The selected Use Case is displayed in HTML format in the default browser. The invalid step ID reference is highlighted. [FR_TARGET_0130]

2.3.14 UC 75 - Viewing a Generated Test Suite with Microsoft Excel

Viewing Test Suite Documents in TaRGeT with Microsoft Excel.

Setup: [setup]

Main Flow

SC_01

Description: View Test Suite Document by double-clicking.

Step Id	User Action	System State	System Response
1M	Double-click on a	A project is opened	The Microsoft Excel
	test suite	in TaRGeT. The	is invoked and the
	document in the	project has at least	document is opened.
	"Artifacts" view.	one already generated	The Test Cases and
		test suite in MS	Traceability Matrixes
		Excel format.	appear in the
			document.[FR TARGET 0
			005, FR TARGET 0243,
			FR TARGET 0175,
			FR_TARGET 0240,]

2.3.15 UC 167 - Viewing a Generated Test Suite in XML Format

Viewing Test Suite Documents in XML format with default program in the Operational System.

Setup: [setup]

Main Flow

SC 01

Description: View Test Suite Document by double-clicking.

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a	A project is opened	The Operational
	test suite	in TaRGeT. The	System's default
	document in the	project has at least	program to open XML
	"Artifacts" view.	one already generated	files is invoked and
		test suite in XML	the document is
		format.	opened. The Test
			Cases and
			Traceability Matrixes
			appear in the
			document.[FR TARGET 0
			005, FR TARGET 0243,
			FR TARGET 0175,
			FR_TARGET 0240,]

2.3.16 UC 168 - Viewing a Generated Test Suite in HTML Format

Viewing Test Suite Documents in HTML format with default browser in the Operational System.

Setup: [setup]

Main Flow

SC 01

Description: View Test Suite Document by double-clicking.

From Step: START To Step: END

1M	Double-click on a	A project is opened	The Operational
	test suite	in TaRGeT. The	System's default
	document in the	project has at least	browser to open HTML
	"Artifacts" view.	one already generated	files is invoked and
		test suite in HTML	the document is
		format.	opened. The Test
			Cases and
			Traceability Matrixes
			appear in the
			document.[FR_TARGET_0
			005, FR_TARGET 0243,
			FR_TARGET 0175,
			FR_TARGET 0240,]

2.3.17 UC 80 - Renaming a Document

Renaming Use Case or Test Suite Documents in TaRGeT.

Setup: [setup]

Main Flow

SC_01

Description: Rename a test suite document.

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Right-click on a generated test suite document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one already generated test suite.	A drop down menu is displayed.
2M	Click on "Rename" option in the drop down menu. [FR_TARGET_0001]	[condition]	A dialog is popped up with a text field.
3М	Change the document name to a valid name and click on "OK" button. [FR_TARGET_0025]	[condition]	The document is renamed.

Alternative Flows

Description: Rename a Use Case Document.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1A	Right-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one imported Use Case Document.	A drop down menu is displayed.
2A	Click on "Rename" option in the drop down menu. [FR_TARGET_0001]	[condition]	A dialog is popped up with a text field.
3A	Change the document name to a valid name and click on "OK" button. [FR_TARGET_0025]	[condition]	The document is renamed.

SC_03

Description: Select to rename more than one document.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1B	In the	A project is opened	A drop down menu is
	"Artifacts" view,	in TaRGeT. The	displayed. The
	Select more than	project has at least	"Rename" option is
	one document and	two documents (test	disabled.
	right-click on	suite or Use Case	
	the selection.	Documents).	
	[FR_TARGET_0001]		

Exception Flows

SC_04

Description: Type an invalid document name.

From Step: 2M
To Step: END

Step Id User Action System State System Res	ponse
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1C	Try to change the document name to an invalid name (e.g. a name containing "<" or "*" characters). [FR TARGET 0025]	[condition]	A message is displayed indicating that the name is invalid. The "OK" button is disabled.
2C	Click on "Cancel" button.	[condition]	The focus goes back to the main window.

Description: Type an invalid document name and retype a valid name.

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1D	Try to change the document name to an invalid name (e.g. a name containing "<" or "*" characters). [FR_TARGET_0025]	[condition]	A message is displayed indicating that the name is invalid. The "OK" button is disabled.
2D	Erase the invalid name and type a valid name.	[condition]	The OK button is enabled.
3D	Click on the OK button	[condition]	The document is renamed.

SC_06

Description: Cancel the rename.

From Step: 2D To Step: END

Step Id	User Action	System State	System Response
1E	Click on "Cancel"	[condition]	The focus goes back
	button.	[condition]	to the main window.

SC_07

Description: Type a document name that is being used by another use case

document.

From Step: START
To Step: 2C, 2D

Step Id	User Action	System State	System Response
step ra	OSEL ACCION	SVSLEM State	System response

1F	Right-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least two use cases.	A drop down menu is displayed. The "Rename" option is enabled.
2F	Click on "Rename" option in the drop down menu. [FR_TARGET_0001]	[condition]	A dialog is popped up with a text field.
3F	Type a name that is already in use.	[condition]	A message is displayed indicating that the name is already in use. The "OK" button is disabled.

Description: Type a test suite file name that is being used by another test

suite file.

From Step: START To Step: 2F

Step Id	User Action	System State	System Response
1G	Right-click on a	A project is opened	A drop down menu is
	test case	in TaRGeT. The	displayed. The
	document in the	project has at least	"Rename" option is
	"Artifacts" view.	two test suites.	enabled.

SC_09

Description: Type an empty name.

From Step: 2M
To Step: 2C

Step Id	User Action	System State	System Response
1н	Type an empty name. [FR_TARGET_0025]	[condition]	A message is displayed indicating that the name must not be empty. The
			"OK" button is disabled.

2.3.18 UC 85 - Deleting a Document

Deleting Use Cases or Test Suite Documents in TaRGeT.

Setup: [setup]

Main Flow

SC 01

Description: Delete a test suite document.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Right-click on a	A project is opened	A drop down menu is
	generated test	in TaRGeT. The	displayed.
	suite document in	project has at least	
	the "Artifacts"	one already generated	
	view.	test suite.	
2M	Click on "Delete"	[condition]	A dialog is displayed
	option in the	[condition]	asking a
	drop down menu.		confirmation.
	[FR_TARGET_0003]		
3M	Click on "Yes"	[condition]	The document(s) is
	button.	[condition]	(are) deleted. The
			project work area is
			refreshed.
			[FR_TARGET_0015]

Alternative Flows

SC_02

Description: Delete a Use Case Document that is not referred by another

document.

From Step: START To Step: END

Step Id	User Action	System State	System Response
18	Right-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one imported Use Case Document. The imported documents do not refer to a use case of another imported document.	A drop down menu is displayed.
2В	Click on "Delete" option in the drop down menu. [FR_TARGET_0003]	[condition]	A dialog is displayed asking a confirmation.
3В	Click on "Yes" button.	[condition]	The document(s) is(are) deleted. The project work area is refreshed. [FR_TARGET_0015]

Description: Delete a Use Case Document that is referred by another document.

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1C	Right-click on a Use Case Document in the "Artifacts" view. The selected document is referred by a use case of another imported document.	A project is opened in TaRGeT. The project has at least two imported Use Case Documents. A use case is referred by another use case from a different document.	A drop down menu is displayed.
2C	Click on "Delete" option in the drop down menu. [FR_TARGET_0003]	[condition]	A dialog is displayed asking a confirmation and informing that the document is being referred by another document.
3C	Click on "Yes" button.	[condition]	The document(s) is(are) deleted. The project work area is refreshed. Some invalid reference errors are displayed in "Error" view. [FR_TARGET_0015, FR_TARGET_0120]

SC_04

Description: Delete more than one generated test suite.

From Step: START
To Step: 2M

St	tep Id	User Action	System State	System Response
	1D	In the "Artifacts" view, Select more than one test suite document and right-click on	A project is opened in TaRGeT. The project has at least two generated test suites.	A drop down menu is displayed.
		the selection.		

Description: Delete one test suite and one Use Case Document that is being

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1E	In the "Artifacts" view, Select one test suite document and a Use Case Document, and right-click on the selection.	A project is opened in TaRGeT. The project has at least two imported Use Case Document and at least one generated test suite. The imported Use Case Document is referenced by another imported document.	A drop down menu is displayed.
2E	Click on "Delete" option in the drop down menu. [FR_TARGET_0003]	[condition]	A dialog is displayed asking a confirmation and informing that the document is being referred by another document.
3E	Click on "Yes" button.	[condition]	The document(s) is(are) deleted. The project work area is refreshed. Some invalid reference errors are displayed in "Error" view. [FR_TARGET_0015, FR_TARGET_0120]

SC_06

Description: Delete two Use Case Documents.

From Step: START To Step: 2C

Step Id	User Action	System State	System Response
1 F	In the	A project is opened	A drop down menu is
	"Artifacts" view,	in TaRGeT. The	displayed.
	Select one test	project has two	
	suite two Use	imported Use Case	
	Case Documents,	Document. One	
	and right-click	imported Use Case	
	on the selection.	Document is	
	One of the	referenced by the	
	selected	other.	
	documents refers		
	to the other.		

Description: Cancel the document deletion.

From Step: 2M, 2C

To Step: END

Step Id	User Action	System State	System Response
1A	Click on "No"	[condition]	The document(s) is
	button.	[condition]	(are) not deleted.

2.3.19 UC 90 - Updating the Use Case Documents outside the TaRGeT UI

Updating Use Case Documents outside TaRGeT UI.

Setup: [setup]

Main Flow

SC 01

Description: Edit a Use Case Document with duplicated step ID outside TaRGeT

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Open an already imported Use Case Document with the Microsoft Word (outside the TaRGeT). The document has a duplicated step ID. [FR_TARGET_0005]	TaRGeT is started up and a project is opened. There is at least one imported Use Case Document with duplicated step ID in the project.	The document is opened in the default viewer outside the Targer.
2M	Edit the duplicated ID, save the document and close it.	[condition]	The document is fixed.
3M	Go back to the TaRGeT window.	[condition]	A progress bar is displayed while the project is being refreshed. [FR_TARGET_0110, FR_TARGET_0015]
4M	Wait the progress bar.	[condition]	The fixed duplicated ID error is removed from the "Error" view.

2.3.20 UC 95 - Rejecting crashed Use Case Documents

Rejecting crashed Use Case Documents.

Setup: [setup]

Main Flow

SC_01

Description: Damage an imported Use Case Document.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. There is one imported and valid Use Case Document.	The Microsoft Word is invoked and the document is opened. [FR_TARGET_0005]
2M	Change the document, damaging its structure, and go back to the TaRGeT window.	[condition]	A progress bar is displayed while the project is being refreshed. [FR_TARGET_0110, FR_TARGET_0015]
3M	Wait the progress bar.	[condition]	A new error is displayed in the "Error" view indicating that the document is damaged. No information related to this document is displayed in the "Use Case" view. An error icon is assigned to the document in the "Artifacts" view. [FR_TARGET_0120, FR_TARGET_0125]

$\underline{2.3.21}$ $\underline{\text{UC }100}$ - Rejecting a Use Case Document With Duplicated Feature ID

Rejecting Use Case Documents that assign to a feature an ID that is being used by a feature of another document.

Setup: [setup]

Main Flow

SC 01

Description: Assign to a feature an ID that is being used by a feature of

another document.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. There are two imported and valid Use Case Document.	The Microsoft Word is invoked and the document is opened. [FR_TARGET_0005]
2М	Change the document, by assigning to a feature an ID that is being used by a feature of another document, and go back to the TaRGeT window.	[condition]	A progress bar is displayed while the project is being refreshed. [FR_TARGET_0110, FR_TARGET_0015]
3M	Wait the progress bar.	[condition]	A new error is displayed in the "Error" view indicating that one of the documents contains a duplicated feature ID. The document is rejected and no information related to the document is displayed in the "Use Case" view. An error icon is assigned to the document in the "Artifacts" view. [FR_TARGET_0120, FR_TARGET_0125]

$\underline{2.3.22}$ $\underline{\text{UC}}$ $\underline{105}$ - Rejecting a Use Case Document With Duplicated Use Case ID

Rejecting Use Case Documents that assign to a use case an ID that is being used by another use case of the same feature.

Setup: [setup]

Main Flow

SC 01

Description: Assign to a use case an ID that is being used by another use of

the same feature.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. There is one imported and valid Use Case Document. The document has at least one feature with more than one use case.	The Microsoft Word is invoked and the document is opened. [FR_TARGET_0005]
2М	Change the document, by assigning to a use case an ID that is being used by another use case of the same feature, and go back to the TaRGeT window.	[condition]	A progress bar is displayed while the project is being refreshed. [FR_TARGET_0110, FR_TARGET_0015]

3M	Wait the progress	[condition]	A new error is
	bar.	[containent]	displayed in the
			"Error" view
			indicating that one
			of the documents
			contains a duplicated
			use case ID. The
			document is rejected
			and no information
			related to the
			document is displayed
			in the "Use Case"
			view. An error icon
			is assigned to the
			document in the
			"Artifacts" view.
			[FR_TARGET_0120,
			FR_TARGET_0125]

2.3.23 UC 106 - Searching in Use Case Document

Searching in Use Case Document.

Setup: [setup]

Main Flow

SC_01

 $\hbox{\tt Description: Perform a search when some valid Use Case Documents are already}$

imported.

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Choose "Tools" option in the menu bar.	Target is started up. A project is already opened. There is at least one document imported. No error is listed in the "Error" list.	A drop down menu is displayed. "Search" option is available.
2M	Choose "Search" option in the drop down menu.	[condition]	"Search" window is displayed. [FR TARGET 0135]
3M	Type a query in the input area.	[condition]	The "Find" field is filled.

4 M	Click on "Search"	[condition]	The search results
	button.	[condition]	are displayed in
			"Search Results"
			View. Verify if the
			results are in
			accordance to the
			query.

Alternative Flows

SC_02

Description: Cancel the search.

From Step: 3M
To Step: END

Step Id	User Action	System State	System Response
1A	Click on "Cancel"	[condition]	The focus goes back
	button.	[condition]	to the work area.

SC_03

Description: Using the specific field "Use Case Identifier".

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
18	"Type a query for serching based on use case Id, i.e. "ucid: <use_case_i d="">". A use case with id <use_case_id> must be contained in the project.</use_case_id></use_case_i>	[condition]	The "Find" field is filled.
2B	Click on "Search" button.	[condition]	At least one use case is displayed in "Search Results" View. [FR_TARGET_0135]

SC 04

Description: Using the specific field "From Step".

From Step: 2M To Step: 4M

Step Id User Action	System State	System Response
---------------------	--------------	-----------------

1C Type "from step: START" in the input area.	[condition]	The "Find" field is filled.
---	-------------	-----------------------------

Description: Using shortcut.

From Step: START
To Step: 3M

Step Id	User Action	System State	System Response
1D	Press CTRL+F	[condition]	"Search" window is displayed. [FR_TARGET_0135]

2.3.24 UC 107 - Viewing Search Results

Viewing search results.

Setup: [setup]

Main Flow

SC_01

Description: View found Use Case Documents in HTML format by double-clicking

the use case.

From Step: UC 106#4M

To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a	[condition]	The selected Use Case
	use case in the	[condition]	is displayed in HTML
	"Search Results"		format in the main
	view.		panel. The search
			results are
			highlighted.
			[FR_TARGET_0130]

2.4 Generating Test Suites

This section presents the use case related to test suites generation.

2.4.1 UC 169 - Basic Test Suite Generation

Generating Test Cases through Basic Generation.

Setup: [setup]

Main Flow

SC 01

Description: Generating Test Cases through Basic Generation.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Choose the	The TaRGeT is already	A drop down menu is
	"Tools" option in	started up. There is	displayed with
	the menu bar.	an already created	"Search",
		project with at least	"Preferences" and
		one imported use case	"Basic Generation"
		without errors.	options. The "Basic
		[FR TARGET 0100]	Generation" option is
			available.
2M	Choose the "Basic	[condition]	The "Test Cases
	Generation"	[condition]	Generation Summary"
	option in the		pop up is displayed
	drop down menu.		informing the number
			of generated test
			cases and the total
			time required to
			complete the process.
			[FR_TARGET_0160]

$\underline{2.4.2}$ $\underline{\text{UC }110}$ - Generating Test Suites through the On The Fly Generation

Generating Test Cases through the On The Fly Generation.

Setup: [setup]

Main Flow

SC_01

Description: Generate test cases in a spreadsheet format.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Choose the "Tools" option in the menu bar.	The Target is already started up. There is an already created project with at least one imported use case without errors. [FR_TARGET_0100]	A drop down menu is displayed with "Search", "Preferences" and "On The Fly Generation" options. The "On The Fly Generation" option is available.
2M	Choose the "On The Fly Generation" option in the drop down menu.	[condition]	The "On The Fly Generation Editor" window is displayed. The "Test Selection Page" is displayed. [FR_TARGET_0234]
3M	Go to "Test Cases" tab in the "On The Fly Generation Editor" view and click on the "Save Test Suite" button.	No filter is selected. [FR_TARGET_0150]	The "Test Cases Generation Summary" pop up is displayed informing the number of generated test cases and the total time required to complete the process. [FR_TARGET_0160]
4M	Click on the "ok" button.	[condition]	The test suite is generated with the default name and the correct structure. The new test suite is in the "Artifacts" view in the TestCases folder. Notice that the generated test cases are according to the test cases list of the "Test Cases viewer" tab. [FR_TARGET_0237, FR_TARGET_0239, FR_TARGET_0170]

Alternative Flows

SC_03

Description: Generating tests without a template.

From Step: 1B
To Step: END

Step Id	User Action	System State	System Response

1C	Press "No"	[condition]	The "Test Cases
	button.	[condition]	Generation Summary"
			pop up is displayed
			informing the number
			of generated test
			cases and the total
			time required to
			complete the process.

Exception Flows

SC_04

Description: Generating tests through a document with errors.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1A	Choose the "Tools" option in the menu bar.	The TaRGeT is already started up. A project is opened and some Use Case Documentation is already imported. There is at least one error in the "Error" list.	A drop down menu is displayed. The "On The Fly Generation" option is available.
2A	Choose the "On The Fly Generation" option in the drop down menu.	[condition]	A dialog is displayed indicating that there is/are error(s) in the project and it is not possible to generate tests. [FR_TARGET_0239]
3A	Click on "Ok" button.	[condition]	The focus comes back to the work area.

SC_05

Description: Importing an invalid test suite template.

From Step: 2B
To Step: END

Step Id	User Action	System State	System Response
t	template and	The .xls template is not a valid Test Central template.	A message is displayed informing that the .xls file is invalid and that the template information will not be imported.

Description: Generates test suite without generating the requirements

specification document

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1E	Go to "Test Cases" tab in the "On The Fly Generation Editor" view and click on the "Save Test Suite" button.	[condition]	The system asks the user if it wants to generate the requirements specification file.
2E	The use select the "No" button	[condition]	The "Test Cases Generation Summary" pop up is displayed informing the number of generated test cases and the total time required to complete the process. [FR_TARGET_0160]
1E	Choose a .xls template and press "Open".	The .xls template is not a valid Test Central template.	A message is displayed informing that the .xls file is invalid and that the template information will not be imported.

2.4.3 UC 111 - Generating Test Suites using Requirement Filter

Selecting test cases by Requirement Filter.

Setup: [setup]

Main Flow

SC_01

Description: Filtering test suit generation by requirements.

From Step: UC_110#2M

To Step: END

Step Id User Action System State System Response

1M	In "Selection"	The imported use	Some requirements are
	tab in "On The	cases refer to more	selected.
	Fly Generation	than one requirement.	[FR TARGET 0145]
	Editor", select		
	some requirements		
	(not all) in the		
	Requirements		
	Selection area.		
2M	Go to "Test Cases	[condition]	Verify that test
	Viewer" tab.	[condition]	cases in the
			"Generated Test
			Cases" list are
			according to the
			selected filter.
			[FR TARGET 0236,
			FR_TARGET_0237]

Alternative Flow

SC_02

Description: All requirements are selected.

From Step: UC_110#2M
To Step: 2M,UC_121#1M

Step Id	User Action	System State	System Response
1A	In the tab	The imported use	All requirements are
	"Selection" in	cases have one or	selected.
	the "On The Fly	more than one step	[FR TARGET 0145]
	Generation	which refers to	
	Editor", click on	distinct requirements	
	"Select all"		
	button in the		
	page of		
	Requirements.		

SC_03

 $\hbox{\tt Description: Deselect all requirements selection.}$

From Step: 1M To Step: 2M

Step Id	User Action	System State	System Response
1D	In the tab	[condition]	All requirements are
	"Selection" in	[condition]	deselected.
	the "On The Fly		[FR TARGET 0145]
	Generation		
	Editor", click on		
	"Deselect all"		
	button in the		
	page of		
	Requirements.		

Exception Flow

SC 04

Description: There is no reference to any requirement in the imported use

cases document(s).
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1E	Choose "Tools" option in the menu bar.	No requirement is referenced in the imported use cases document(s).	A drop down menu is displayed. "On The Fly Generation" option is available.
2E	Choose "On The Fly Generation" option in the drop down menu.	[condition]	The "On The Fly Generation Editor" window is displayed. The "Requirements List" is disabled. The "Select All" and "Deselect All" buttons are disabled. [FR_TARGET_0145]

2.4.4 UC 112 - Generating Test Suites using Use Cases Filter

Selecting test cases by Use Cases Filter.

Setup: [setup]

Main Flow

SC 01

Description: Filtering test suit generation by use cases.

From Step: UC_110#2M To Step: UC 111#2M

Step Id User Action System State System Response

1M	In the tab "Selection" in the "On The Fly Generation Editor", select one or more (press CTRL) Use Cases available in the document.	The imported use cases document have at least use case.	The use cases are selected.
2M	Click on "Add Use case" button.	[condition]	One or more Use cases are added in the "Selected Use Cases" area. [FR_TARGET_0153]

Alternative Flow

SC_02

Description: Remove Use Cases from filter.

From Step: 2M
To Step: UC_111#2M

Step Id	User Action	System State	System Response
1A	In the tab "Selection" in the "On The Fly Generation Editor", select some use cases on the "Selected Use Cases" area.	[condition]	The use cases are selected.
2A	Click on the "Remove Use Case" button.	[condition]	The selected use cases were removed from "Selected Use Cases" area. [FR_TARGET_0153]

$\underline{2.4.5}$ UC 115 - Generating Test Suites with Test Purposes

Selecting test cases by Test Purposes Filter.

Setup: [setup]

Main Flow

SC_01

Description: Filtering a test suite generation by a test purpose

From Step: UC_110#2M To Step: UC_111#2M

Step Id	User Action	System State	System Response
1M	Go to "Test Purpose Creation" and select *-* step in the "Steps" area and click on "Select" button.	[condition]	A "*" symbol is added to "Current Test Purpose" field.
2М	In the "Steps" area, select a step and click on "Select" button.	[condition]	A reference to this step is added to the "Current Test Purpose" field. [FR TARGET 0151]
3M	In the "Steps" area, select *-* step and click on "Select" button.	[condition]	A "*" symbol is added to "Current Test Purpose" field.
4 M	Click on "OK" button.	[condition]	The test purpose is added to the "Created Test Purposes" list. The "Current Test Purpose" list is empty.

Alternative Flows

SC_02

Description: Move the step to lower level.

From Step: START
To Step: 3M

Step Id	User Action	System State	System Response
1A	Go to "On The Fly Generation" -> "Selection" tab - > "Test Purpose Creation" and in "Steps" area, select a step and click on "Select" button.	[condition]	A reference to this step is added to the "Current Test Purpose" field. [FR_TARGET_0151]
2A	Go to "Test Purpose Creation" and select *-* step in the "Steps" area and click on "Select" button.	[condition]	A "*" symbol is added to "Current Test Purpose" field.

3A	Select the first step in the	[condition]	The selected test is in a lower level.
	"Current Test		
	Purpose" field		
	and click in the		
	"Down" button.		

Description: Move the step to upper level.

From Step: 2A To Step: 3M

Step Id	User Action	System State	System Response
1B	Select the last	[condition]	The selected test is
	step in the	[condition]	in upper level.
	"Current Test		
	Purpose" field		
	and click in the		
	"Up" button.		

SC 04

Description: Clear one or more step(s) from "Current Test Purpose" field.

From Step: 3M To Step: END

Step Id	User Action	System State	System Response
1C	Select one or more steps on "Current Test Purpose" area and click on "Clean"	[condition]	The selected step(s) was(were) removed from "Current Test Purpose" field.
	button.		

SC_05

Description: Remove a test purpose from the "Created Test Purposes" list.

From Step: 4M To Step: END

Step Id	User Action	System State	System Response
1D	Select a test	[condition]	The test purpose is
	purpose on	[condition]	highlighted.
	"Created Test		[FR_TARGET_0151]
	Purposes" list.		

2D	Click on "Clean" button on	I Condition I	The test purpose was removed from the
	"Created Test		"Created Test
	Purposes" area.		Purposes" list.

SC 06

Description: Remove all test purposes from the created test purposes list.

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1E	Click on "Clear	There is more than	The "Created Test
	All" button on	one test purpose on	Purposes" list is
	"Created Test	"Test purposes" list.	empty.
	Purposes" area.		[FR_TARGET_0151]

2.4.6 UC 116 - Generating Test Suites with Path Coverage

Selecting test cases from Path Coverage.

Setup: [setup]

Main Flow

SC 01

Description: Path coverage percentage is 50%.

From Step: UC_110#2M To Step: UC 111#2M

Step Id	User Action	System State	System Response
	Go to "Path Coverage" area and set to 50.	[condition]	"Path Coverage" is 50%. [FR_TARGET_0152]

2.4.7 UC 117 - Visualizing Test Cases in Test Cases Viewer

Visualize the test cases before the test suite generation.

Setup: [setup]

Main Flow

Description: Visualizing Test Cases.

From Step: UC_110#2M

To Step: END

Step Id	User Action	System State	System Response
1M	Go to the "Test	No filter is	The "Common Test
	Cases" tab in the	selected.	Cases" and the "New
	"On The Fly		Test Cases" boxes are
	Generation		checked.
	Editor" view.		[FR_TARGET_0235]
2M	Verify the test	[condition]	All test cases appear
	cases in the	[condition]	in the "Generated
	"Generated Test		Test Cases" list.
	Cases" list		

Alternative Flows

SC_02

Description: Visualizing the "Common Test Cases".

From Step: UC_110#2M

To Step: END

Step Id	User Action	System State	System Response
1A	Filter the test suite selecting some requirements in the "Selection" tab.	[condition]	The filter(s) are selected. [FR_TARGET_0234]
2A	Go to the "Test Cases" tab in "On The Fly Generation Editor" view.	[condition]	The "Common Test Cases" and the "New Test Cases" boxes are checked. [FR TARGET 0235]
3A	Deselect the "New Test Cases" box.	[condition]	Just the "Common Test Cases" selected by the filters in the Selected tab appear in the "Generated Test Cases" list with black font. [FR_TARGET_0237]

SC_03

Description: Visualizing the "Removed Test Cases" and the "Common Test Cases".

From Step: UC 111#2M

To Step: END

Step Id	User Action	System State	System Response
1B	Select the	[condition]	The removed test
	"Removed Test	[condition]	cases are added to
	Cases" box.		the "Generated Test
			Cases" list with a
			red font.

Description: Visualizing the "Removed Test Cases".

From Step: 1B
To Step: END

Step Id	User Action	System State	System Response
1C	Deselect "Common Test Cases" box.	[condition]	Just the test cases removed by the
	Test cases son.		filters appear in the
			"Generated Test Cases" list with a
			red font.

SC_05

Description: Visualizing the lists of "Common Test Cases" and "New test Cases"

after saving a filter. From Step: UC_118#1M

To Step: END

Step Id	User Action	System State	System Response
1D	Select a filter configuration saved previously.	[condition]	The filter configuration is selected.
2D	Go to "Selection" tab and select some requirements that are equal to saved filter and some requirements different from saved filter.	[condition]	The filter(s) are selected. [FR_TARGET_0234]
3D	Go to the "Test Cases" tab in the "On The Fly Generation Editor" view.	[condition]	The "Common Test Cases" and "New Test Cases" boxes are checked. [FR_TARGET_0235]

5 D	Go to "Generated Test Cases" list.	[condition]	The common test cases between the first
			selected filter and
			the second selected
			filter that is loaded
			in the "Selection"
			tab, appear with
			black font in the
			"Generated Test
			Cases" list. The New
			Test Cases appear
			with green font in
			the "Generated Test
			Cases" list.

Description: Visualizing the "Removed Test Cases" after saving a filter

From Step: UC_118#1A

To Step: END

Step Id	User Action	System State	System Response
1E	Click on the "Load Former Filter Selection" button.	[condition]	The new filter configuration is loaded and the correspondent test cases appear in the "Generated Test Cases "list. [FR_TARGET_0237, FR_TARGET_0236]
2E	Select the default filter configuration "All test Cases".	[condition]	The filter configuration is selected. The common test cases between the selected filter and the filter that is loaded in the "Selection" tab appear with black font in the "Generated Test Cases" list.
3E	Select the "Removed Test Cases" box.	[condition]	The removed test cases appear in the "Generated Test Cases" list with a red font.

Exception Flows

Description: Deselecting Common Test Cases box.

From Step: 2M To Step: END

Step Id	User Action	System State	System Response
1F	Deselect the	[condition]	No test cases appear
	"Common Test	[condition]	in the "Generated
	Cases" box.		Test Cases" list.

$\underline{2.4.8}_{ ext{Viewer}}$ $\underline{ ext{UC 118 - Saving a filter configuration in the Test Cases}}_{ ext{Viewer}}$

Saving and loading a filter configuration in the test cases viewer.

Setup: [setup]

Main Flow

SC 01

Description: Saving a filter configuration.

From Step: UC 117#2A

To Step: END

Step Id	User Action	System State	System Response
1M	Click on the	[condition]	The new filter
	"Save Current	[condition]	configuration is
	Filter Selection"		saved and appears in
	button.		the common list.
			[FR_TARGET_0236]

Alternative Flows

SC 02

Description: Loading a saved filter configuration.

From Step: 1M To Step: END

Step Id	User Action	System State	System Response
	Select a filter configuration	[condition]	The filter configuration is
	saved previously.		selected.

2A	Click on the "Load Former	[condition]	The new filter configuration is
	Filter Selection"		loaded and the
	button.		correspondent test
			cases appear in the
			"Generated Test Cases
			"list.
			[FR_TARGET_0237,
			FR_TARGET_0236]

Description: Loading the default filter configuration.

From Step: 2A
To Step: END

Step Id	User Action	System State	System Response
1в	Select the default filter configuration "All test Cases".	[condition]	The filter configuration is selected.
2В	Click on the "Load Former Filter Selection" button.	[condition]	All test cases appear in the "Generated test cases" list.

$\underline{2.4.9}$ $\underline{\text{UC }119}$ - Visualizing Test Cases in table format in Test Cases $\underline{\text{Viewer}}$

Visualizing test cases in spreadsheet format.

Setup: [setup]

Main Flow

SC_01

Description: View a test case in the table.

From Step: UC 117#2M

To Step: END

Step Id	User Action	System State	System Response
1M	Click on any test	[condition]	The chosen test case
	case in the	[condition]	appears in the
	"Generated Test		"Selected test Cases"
	Cases" list.		view in the
			spreadsheet template.
			[FR TARGET 0237]

Exception Flows

SC_02

Description: Select more than one test case to view in the table format.

From Step: UC 117#2M

To Step: END

Step Id	User Action	System State	System Response
1A	Click on more	[condition]	The first test case
	than one (using	[condition]	selected in crescent
	CTRL) test case		order that appears on
	in the "Generated		list is shown in the
	Test Cases" list.		"Selected test Cases"
			view in the
			spreadsheet standard.
			[FR_TARGET_0237]

SC_03

Description: Deselect a test case.

From Step: 1A To Step: END

Step Id	User Action	System State	System Response
1B	Deselect the	[condition]	The spreadsheet view
	first test case	[condition]	is updated,
	selected (using		displaying another
	CTRL) in the		selected test case
	"Generated Test		that appears first in
	Cases" list.		he list in the
			"Generated test
			Cases" list.

2.4.10 UC 121 - Visualizing Test Cases in the Traceability Matrixes

Visualizing test cases in the traceability matrixes.

Setup: [setup]

Main Flow

SC_01

Description: Visualizing Test Cases.

From Step: $UC_110#2M$

To Step: END

Step Id	User Action	System State	System Response
1M	Go to the	No filter is selected	The "Common Test
	"Traceability		Cases" and "New Test
	Matrix" tab in		Cases" boxes are
	the "On The Fly		checked.
	Generation		[FR TARGET 0235]
	Editor" view.		
2M	Verify the test	[condition]	All test cases appear
	cases in the	[condition]	in the matrixes list.
	matrixes list		

Alternative Flows

SC_02

Description: Visualizing the "Common Test Cases".

From Step: UC 110#2M

To Step: END

Step Id	User Action	System State	System Response
1A	Filter the test suite selecting some requirements in the "Test Selection Page".	[condition]	The filter(s) are selected. [FR_TARGET_0234]
2A	Go to the "Traceability Matrix" tab in the "On The Fly Generation Editor" view.	[condition]	The "Common Test Cases" and "New Test Cases" boxes are checked. [FR_TARGET_0235]
3A	Deselect the "New Test Cases" box.	[condition]	Just the "Common Test Cases" selected by the filters in the Selected tab appear in the matrixes list with black font. [FR_TARGET_0237]

SC_03

Description: Visualizing the "Removed Test Cases" and "Common Test Cases".

From Step: UC_111#1M

To Step: END

Step Id	User Action	System State	System Response

18	Go to the "Traceability Matrix" tab in the "On The Fly Generation Editor" view.	[condition]	Verify that test cases in the "Traceability Matrix " list are according to the selected filter. [FR_TARGET_0240]
2В	Select the "Removed Test Cases" box.	[condition]	The removed test cases are added to the matrixes list with a red font.

Description: Visualizing the "Removed Test Cases".

From Step: 2B
To Step: END

Step Id	User Action	System State	System Response
1C	Deselect "Common	[condition]	Just the test cases
	Test Cases" box.		removed by the
			filters appear in the
			matrixes list with a
			red font.

SC_05

Description: Visualizing the list of "Common Test Cases" and "New test Cases"

after saving a filter.

From Step: 2A To Step: END

Step Id	User Action	System State	System Response
1D	Click on the "Save Current Filter Selection".	[condition]	The new filter configuration is saved and appears in the common list. [FR TARGET 0236]
2D	Select a filter configuration saved previously.	[condition]	The filter configuration is selected.
3D	Go to "Test Selection Page" and select some requirements that are equal to the first selected filter and some requirements different from first selected filter.	[condition]	The second filter(s) are selected. [FR_TARGET_0234]

4 D	Go to the "Traceability Matrix" tab in the "On The Fly Generation Editor" view.	[condition]	The "Common Test Cases" and "New Test Cases" boxes are checked. [FR_TARGET_0235]
5D	Verify the matrixes list.	[condition]	The common test cases between the first selected filter and the second selected filter that is loaded in the "Selection" tab, appear with black font in the matrixes list. The New Test Cases appear with green font in the matrixes list.

Description: Visualizing the "Removed Test Cases" after saving a filter

From Step: 2D
To Step: END

Step Id	User Action	System State	System Response
1E	Click on the "Load Former Filter Selection" button.	[condition]	The new filter configuration is loaded and the correspondent test cases appear in the matrixes list. [FR_TARGET_0237, FR_TARGET_0236]
2E	Select the default filter configuration "All test Cases".	[condition]	The filter configuration is selected. The common test cases between the selected filter and the filter that is loaded in the "Selection" tab, appear with black font in the matrixes list.
3E	Select the "Removed Test Cases" box.	[condition]	The removed test cases are added to the matrixes list with a red font.

Exception Flows

SC_07

Description: Deselecting Common Test Cases box.

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1F	Deselect the	[condition]	No test cases appear
	"Common Test	[condition]	in the matrixes list.
	Cases" box.		

$\underline{2.4.11}$ $\underline{\text{UC }122}$ - Saving a filter configuration in the Traceability $\underline{\text{Matrixes}}$

Saving and loading a filter configuration.

Setup: [setup]

Main Flow

SC 01

Description: Saving a filter configuration in the traceability matrixes.

From Step: UC_121#2A

To Step: END

Step Id	User Action	System State	System Response
1M	Click on the	[condition]	The new filter
	"Save Current	[condition]	configuration is
	Filter		saved and appears in
	Selection".		the common list.

Alternative Flows

SC 02

Description: Loading a saved filter configuration in the traceability

matrixes.
From Step: 1M
To Step: END

Step Id	User Action	System State	System Response
1A	Select a filter	[condition]	The filter
	configuration	[condition]	configuration is
	saved previously.		selected.

2A	Click on the	[condition]	The new filter
	"Load Former	[condition]	configuration is
	Filter Selection"		loaded and the
	button.		correspondent test
			cases appear in the
			matrixes.

Description: Loading the default filter configuration.

From Step: 2A To Step: END

Step Id	User Action	System State	System Response
1В	Select the default filter configuration "All test Cases".	[condition]	The filter configuration is selected.
2B	Click on the "Load Former Filter Selection" button.	[condition]	All test cases appear in the matrixes.

$\underline{2.4.12}$ $\underline{\text{UC}}$ 123 - Visualizing Test Cases in table format in the Traceability Matrixes

Viewing test cases in the spreadsheet format.

Setup: [setup]

Main Flow

SC_01

Description: View a test case in the spreadsheet format.

From Step: UC_121#2M

To Step: END

Step Id	User Action	System State	System Response
1M	Click in any test case in the matrixes list.	[condition]	The details of the selected test case appear in the "Selected test Cases"
			view in the spreadsheet standard.

2.4.13 UC 124 - Including Test Cases Permanently in test suite

Including test cases permanently in the test suit, independently of filters selection.

Setup: [setup]

Main Flow

SC_01

Description: Include permanently a test case that is already included by the

filter selection.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Go to the "Test Cases" tab in the "On The Fly Generation Editor" view.	Any filter has to be selected. [FR_TARGET_0234]	The selected test cases by filter are displayed in the "Generated Test Cases" list. [FR_TARGET_0237]
2M	Check the "Removed Test Cases" box.	[condition]	The removed test cases by filter are displayed in the "Generated Test Cases" list with a red font.
3M	Click with the right mouse button in a included test case.	[condition]	A drop down menu is displayed with the "Exclude Test Case Permanently" and "Include Test Case Permanently" options are available and "Cancel Test Case Exclusion" and "Cancel Test Case Inclusion" are unavailable.
4M	Select "Include Test Case Permanently" option.	[condition]	The test case appears "Included Test Cases" list of Inclusion/Exclusion tab and remains with a black font in the "Generated Test Case" list. [FR_TARGET_0241]

Alternative Flows

Description: Cancel the test case inclusion permanently.

From Step: 4M
To Step: END

Step Id	User Action	System State	System Response
1A	Go back to the test case tab and click with the mouse right button in this included test case.	[condition]	A drop down menu is displayed with the "Exclude Test Case Permanently" and "Cancel Test Case Inclusion" options are available and "Include Test Case Permanently" and "Cancel Test Case Exclusion" are unavailable.
2A	Select "Cancel Test Case Inclusion" option.	[condition]	The test case is removed from "Included Test Cases" list of Inclusion/Exclusion tab.

SC_03

Description: Exclude the test case included permanently.

From Step: 4M To Step: END

Step Id	User Action	System State	System Response
1B	Go back to the	[condition]	A drop down menu is
	test case tab and	[condition]	displayed with the
	click with the		"Exclude Test Case
	mouse right		Permanently" and
	button in this		"Cancel Test Case
	included test		Inclusion" options
	case.		are available and
			"Include Test Case
			Permanently" and
			"Cancel Test Case
			Exclusion" are
			unavailable.

2В	Select "Exclude Test Case	[condition]	The test case is removed from
	Permanently"		"Included Test Cases"
	option.		list, is added to
			"Excluded Test Cases"
			list in the
			Inclusion/Exclusion
			tab and shown with a
			red font in the
			"Generated Test Cases
			list" in the Test
			Cases tab.

Description: Cancel the test case inclusion permanently in the

Inclusion/Exclusion tab.

From Step: 4M To Step: END

Step Id	User Action	System State	System Response
1C	Go to the	[condition]	A drop down menu is
	Inclusion/Exclusi	[condition]	displayed with the
	on tab and click		"Exclude Test Case
	with the mouse		Permanently" and
	right button in		"Cancel Test Case
	this included		Inclusion" options
	test case.		are available.
2C	Select "Cancel	[condition]	The test case is
	Test Case	[condition]	removed from
	Inclusion"		"Included Test Cases"
	option.		list of
			Inclusion/Exclusion
			tab.

SC_05

Description: Include a test case that is excluded by the filter selection.

From Step: 2M To Step: END

Step Id User Action System State System Res	sponse
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1D	Click with the mouse right button in a excluded test case.	[condition]	A drop down menu is displayed with the "Exclude Test Case Permanently" and "Include Test Case Permanently" options are available and "Cancel Test Case Exclusion" and "Cancel Test Case Inclusion" are unavailable. [FR TARGET 0241]
2D	Select "Include Test Case Permanently" option.	[condition]	The test case appears in the "Included Test Cases" list of Inclusion/Exclusion tab and is shown with a black font in the "Generated Test Case" list.

2.4.14 UC 126 - Excluding Test Cases Permanently in test suite

Excluding test cases permanently in the test suit, independently of filters selection.

Setup: [setup]

Main Flow

SC_01

Description: Exclude permanently a test case that is already excluded by the

filter selection. From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Go to the "Test	Any filter has to be	The selected test
	Cases" tab in the	selected.	cases by filter are
	"On The Fly	[FR TARGET 0234]	displayed in the
	Generation		"Generated Test
	Editor" view.		Cases" list.
			[FR TARGET 0237]

2M	Check the "Removed Test Cases" box.	[condition]	The removed test cases by filter are displayed in the "Generated Test Cases" list with a red font.
3M	Click with the mouse right button in a excluded test case.	[condition]	A drop down menu is displayed with the "Exclude Test Case Permanently" and "Include Test Case Permanently" options are available and "Cancel Test Case Exclusion" and "Cancel Test Case Inclusion" are unavailable.
4M	Select "Exclude Test Case Permanently" option.	[condition]	The test case appears "Excluded Test Cases" list of Inclusion/Exclusion tab and remains with a red font in the "Generated Test Case" list. [FR_TARGET_0241]

Alternative Flows

SC_02

Description: Cancel the test case exclusion permanently. From Step: 4M To Step: ${\tt END}$

Step Id	User Action	System State	System Response
1A	Go back to the	[condition]	A drop down menu is
	test case tab and	[condition]	displayed with the
	click with the		"Include Test Case
	mouse right		Permanently" and
	button in this		"Cancel Test Case
	excluded test		Exclusion" options
	case.		are available and
			"Exclude Test Case
			Permanently" and
			"Cancel Test Case
			Inclusion" are
			unavailable.
2A	Select "Cancel	[condition]	The test case is
	Test Case	[condition]	removed from
	Exclusion"		"Excluded Test Cases"
	option.		list of
			Inclusion/Exclusion
			tab.

Description: Exclude the test case included permanently.

From Step: 4M
To Step: END

Step Id	User Action	System State	System Response
1B	Go back to the test case tab and click with the mouse right button in this excluded test case.	[condition]	A drop down menu is displayed with the "Include Test Case Permanently" and "Cancel Test Case Exclusion" options are available and "Exclude Test Case Permanently" and "Cancel Test Case Inclusion" are unavailable.
2В	Select "Include Test Case Permanently" option.	[condition]	The test case is removed from "Excluded Test Cases" list, is added to "Included Test Cases" list in the Inclusion/Exclusion tab and shown with a black font in the "Generated Test Cases list" in the Test Cases tab.

SC_04

Description: Cancel the test case exclusion permanently in the

Inclusion/Exclusion tab.

From Step: 4M To Step: END

Step Id	User Action	System State	System Response
1C	Go to the Inclusion/Exclusi	[condition]	A drop down menu is displayed with the
	on tab and click		"Include Test Case
	with the mouse		Permanently" and
	right button in		"Cancel Test Case
	this excluded		Exclusion" options
	test case.		are available.

2C	Select "Cancel	[condition]	The test case is
	Test Case	[condition]	removed from
	Exclusion"		"Included Test Cases"
	option.		list of
			Inclusion/Exclusion
			tab.

Description: Exclude a test case that is included by the filter selection.

From Step: 4M
To Step: END

Step Id	User Action	System State	System Response
1D	Click with the mouse right button in a included test case.	[condition]	A drop down menu is displayed with the "Exclude Test Case Permanently" and "Include Test Case Permanently" options are available and "Cancel Test Case Exclusion" and "Cancel Test Case Inclusion" are unavailable.
2D	Select "Exclude Test Case Permanently" option.	[condition]	The test case appears in the "Excluded Test Cases" list of Inclusion/Exclusion tab and is shown with a red font in the "Generated Test Case" list.

2.5 Preferences

This section presents the use case related to preferences window.

$\underline{2.5.1}$ UC 130 - Generating Test Suites Changing Test Case Field Parameters

Configuring test case fields.

Setup: [setup]

Main Flow

SC_01

Description: Configuring test cases parameters.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Go to "Tools" in the menu bar.	There is an already created project with at least one imported use case without errors. [FR_TARGET_0100]	A drop down menu is displayed with "Search", "Preferences" and "On The Fly Generation" options. The "Preferences" option is available.
2М	Select "Preferences" option.	[condition]	The Preferences wizard is displayed with "Test Case ID", "Test Case Initial ID", "Empty Field", "Objective Prefix", "Print Use Case Description", "Print Flow Description" and "Keep Requirements" fields.

Exception Flow

SC_02

Description: Cancel the preferences.

From Step: 2B, 2C, 2D, 2E, 2F, 2G, 2H, 2I, 2J, 2K

To Step: END

Step Id	User Action	System State	System Response
1A	Press "Cancel" button.	[condition]	The field was not changed, the preferences screen is closed and the focus goes back to the main window.
			[FR_TARGET_0231]

Alternative Flows

SC_03

Description: Changing "Objective Prefix" field.

From Step: 2M To Step: END

Step Id	User Action	System State	System Response
1B	Type a wanted	The "Print Flow	The preferences
	prefix in the	Description" field in	configuration is
	"Objective	the Preferences	changed.
	prefix" field and	window cannot be	[FR_TARGET_0231]
	press OK button.	"None"	
2B	Go to "On The Fly	[condition]	All test cases
	Generation" and	[condition]	contain their
	select each test		objective field with
	case from the		the prefix defined by
	list.		the user.
			[FR_TARGET_0235,
			,FR_TARGET_0237]

SC_04

Description: Changing "Empty Field" parameter.

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1C	Type a wanted content in the "Empty Field" field and press OK button.	The "Print Flow Description" and "Print Use case description" fields is configured to "None"	The preferences configuration is changed. [FR_TARGET_0231]
2C	Go to "On The Fly Generation" and select each test case from the list.	[condition]	In all test cases, the fields that are empty in the Use Case Document are filled with this content defined by the user. [FR_TARGET_0235, ,FR_TARGET_0237]

SC_05

Description: Changing "Test Case Id" parameter to a fixed value.

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
step id	USEL ACCION	System State	System Response

1D	Type " <tc_featureid>_T ESTE_<tc_id>" in the "Test Case Id" field and press OK button.</tc_id></tc_featureid>	[condition]	The preferences configuration is changed. [FR_TARGET_0231]
2D	Go to "On The Fly Generation" and select each test case from the list.	[condition]	All Test Case Id fields are filled according the standard defined by the user. [FR_TARGET_0235, ,FR_TARGET_0237]

Description: Changing "Test Case initial Id" parameter

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1E	Type an initial test case id (number) in the "Test Case Initial Id" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0231]
2E	Go to "On The Fly Generation" and select each test case from the list.	[condition]	All Test Case Ids are filled according the test case initial id (crescent order) defined by the user. [FR_TARGET_0235, ,FR_TARGET_0237]

SC_07

Description: Changing "Print Use Case Description" parameter to "All".

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1F	Choose the "ALL"	[condition]	The preferences
	option in the	[condition]	configuration is
	"Print Use Case		changed.
	Description"		[FR TARGET 0232]
	field and press		
	OK button.		

2F	Go to "On The Fly Generation" and	[condition]	All descriptions of all Use cases related
	select each test		to the test case are
	case from the		concatenated in the
	list.		Case Description
			field for each test
			case.
			[FR_TARGET_0235,
			,FR_TARGET_0237]

SC 08

Description: Changing "Print Use Case Description" parameter to "Last".

From Step: 2M To Step: END

Step Id	User Action	System State	System Response
1G	Choose the "Last" option in the "Print Use Case Description" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0232]
2G	Go to "On The Fly Generation" and select each test case from the list.	[condition]	Just the description of last Use case related to each test case is shown in the Case Description field. [FR_TARGET_0235, ,FR_TARGET_0237]

SC_09

Description: Changing "Print Use Case Description" parameter to "None".

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1н	Choose the "None" option in the "Print Use Case Description" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0232]

2H	Go to "On The Fly	[condition]	The Case Description
	Generation" and	[contains]	field does not
	select each test		contain any
	case from the		description and it is
	list.		filled with "Empty
			Field" suggested in
			Preferences window.
			[FR TARGET 0235,
			FR TARGET 0237,
			FR_TARGET_231]

Description: Changing "Print Flow Description" parameter to "All".

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
11	Choose the "ALL" option in the "Print Flow Description" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0232]
21	Go to "On The Fly Generation" and select each test case from the list.	[condition]	All descriptions of all Flows related to each test case are concatenated after "Objective Prefix" in the respective field. [FR_TARGET_0235, ,FR_TARGET_0237]

SC_11

Description: Changing "Print Flow Description" parameter to "Last".

From Step: 2M To Step: END

Step Id	User Action	System State	System Response
1J	Choose the "Last" option in the "Print Flow Description" field and press	[condition]	The preferences configuration is changed. [FR_TARGET_0232]
	OK button.		

2J	Go to "On The Fly Generation" and select each test case from the list.	[condition]	Just description of last Flow related to each test case is shown after "Objective Prefix" in the respective field.
			[FR_TARGET_0235, ,FR_TARGET_0237]

Description: Changing "Print Flow Description" parameter to "None".

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1K	Choose the "None" option in the "Print Flow Description" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0232]
2K	Go to "On The Fly Generation" and select each test case from the list.	[condition]	The Flow Description field does not contain any description and it is filled with "Empty Field" suggested in Preferences window. [FR_TARGET_0235, FR_TARGET_0237, FR_TARGET_231]

SC 13

Description: Check "Keep Requirements" parameter.

From Step: 2M To Step: END

Step Id	User Action	System State	System Response
1L	Check the "Keep	[condition]	The preferences
	Requirement"	[condition]	configuration is
	option and press		changed.
	OK button.		[FR_TARGET_0233]

,FR TARGET 01751

Description: Changing "Component Keyword" parameter.

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1N	Type a wanted	_	The preferences
	content in the		configuration is
	"Component		changed.
	Keyword" field		[FR TARGET 0231]
	and press OK		
	button.		
2N	Go to "On The Fly	[condition]	In the Keywords tab
	Generation" and	[condition]	in the generated test
	generate a test		suite, the component
	suite. Open the		keyword fields are
	generated test		filled with this
	suite.		content defined by
			the user.
			[FR TARGET 0235,
			,FR_TARGET_0237]

2.6 Consistency Managemement

This section presents the use case related to consistency management functionality.

2.6.1 UC 145 - Starting Consistency Management

Starting Consistency Management Editor.

Setup: [setup]

Main Flow

SC_01

Description: Starting Consistency Management Editor.

From Step: UC_110#2M

To Step: END

Step Id	User Action	System State	System Response
1M	Go to "Test	The On The Fly Editor	A window is displayed
	Cases" tab and	is Opened.	asking the user to
	mark the option		select a generated
	"Start		test suite to
	Consistency		compare.
	Management before		[FR_TARGET_245].
	saving."		
2M	Select a test	[condition]	The Consistency
	suite and press	[condition]	Management Editor is
	the "Finish"		showed and the system
	button.		displays one table
			containing the new
			test cases generated
			by the On The Fly and
			another table
			containing the
			percentage of
			similarity with the
			test cases of the
			previous selected
			test suite.
			[FR_TARGET_244]
			The system
			automatically
			associates a new test
			case to an old one
			that has a similarity
			level of 100%.
			[FR_TARGET_246]

Exception Flow

SC_02

Description: No test suites available.

From Step: UC_110#2M

Step Id	User Action	Svstem State	System Response

1A	Go to "Test	The On The Fly Editor	A window is displayed
	Cases" tab and	is Opened. There is	asking the user to
	mark the option	no test suite in the	select a test suite
	"Start	project folder.	to compare, but none
	Consistency		test suite is
	Managememnt		displayed in the list
	before saving."		and a message is
			shown informing that
			there is no test
			suites available. The
			"Finish" button is
			disabled.
2A	Press the	[condition]	The window is closed
	"Cancel" button.	[condition]	and the On The Fly
			Editor is displayed.

2.6.2 UC 146 - Associating Test Cases

Associating similar test cases in the Consistency Management Editor.

Setup: [setup]

Main Flow

SC_01

Description: Associating similar test cases in the Consistency Management

Editor.

From Step: UC 145#2M

Step Id	User Action	System State	System Response
1M	Select one test case from the new test cases table.	There are no modifications between the new and the old test suites.	The system shows in the old test cases table the similarity percentage between the selected new test case and the old ones. The "Delete" and "New Id" options are also displayed.
2M	Select one test case from the old test case table.	[condition]	The system displays two spreadsheets showing the fields of the selected test cases in the "Compare Test Cases" area. The system marks with blue color the different fields and with yellow color the extra steps.

3M	Press the "Save	[condition]	The system displays a
	Test Suite"	[condition]	message informing
	button.		that the test cases
			were merged and a new
			test suite has been
			generated.

Alternative Flow

SC_02

Description: A new test case has been created.

From Step: UC_145#2M

To Step: END

Step Id	User Action	System State	System Response
1A	Select one test case from the New Test Cases table.	There is at least one modification between the new test suite and the old test suite.	The system marks the new or modified test case with red color. The system shows in the old test cases table the similarity levels between the selected new test case and the old ones different from 100%. The "Delete" and "New Id" options are also displayed and the "New Id" option is checked.
2A	Press "Save Test Suite" button.	[condition]	The system displays a message informing that the test cases were merged and a new test suite has been generated. The generated test suite must contain the new test case and the new id that has been attributed to it.

SC_03

Description: Removing a test case.

From Step: 1M
To Step: END

Step Id	User Action	System State	System Response

18	Check the "Delete" option in the old test case table and press the "Save Test Suite" button.	[condition]	The system informs that the selected test case will be removed from the test suite and asks if the user wants to proceed.
2В	Press the "OK" button.	[condition]	The system displays a message informing that the test cases were merged and a new test suite has been generated. The generated test suite must not contain the deleted test case.

Description: Associate two new test cases to the same old test case

From Step: UC_145#2M

To Step: END

Step Id	User Action	System State	System Response
2C	Associate two	[condition]	The system shows a
	test cases from	[condition]	warning message
	"New Test Cases"		informing that there
	table to the same		is another test case
	test case in the		already associated
	"Old Test Case"		with the selected old
	table.		one.
3C	Press the "OK"	[condition]	The system displays a
	button and press	[condition]	message informing
	the "Save Test		that the test cases
	Suite" option.		were merged and a new
			test suite has been
			generated. The
			generated test suite
			must contain two test
			cases with the same
			id.

2.6.3 UC 147 - Setting up Next New Id

Configure the next new id to new test case.

Setup: [setup]

Main Flow

Description: Associating similar test cases in the Consistency Management

Editor.

From Step: UC_146#2A

To Step: END

Step Id	User Action	System State	System Response
1M	In the "Preferences" area, press the	[condition]	The system enables the "Next New Id" field for edition.
	"Change" button.		
2M	Fill the "Next New Id" field with a desired value and presses the "Save" button.	[condition]	The system disables the "Next New Id" field for edition and save the new filled value.
3M	Press the "Save Test Suite" option.	[condition]	The system displays a message informing that the test cases were merged and a new test suite has been generated. The generated test suite must contain the test case marked as new with the configured id.

2.6.4 UC 148 - Changing compared Test Suite

Change the test suite file that is being compared to the New test Suite generated by On The Fly.

Setup: [setup]

Main Flow

SC_01

Description: Changing Test Suite file.

From Step: UC 145#2M

Step Id	User Action	System State	System Response

1M	Above Old Test	There are one more	The system shows a
	Cases table,	generated test suites	window with all saved
	press the	different from suite	test suites and ask
	"Change" button.	generated by On the	to user select a test
		Fly (New Test suite).	suite to compare.
2M	Choose a test	[condition]	The system shows a
	suite different	[condition]	progress bar
	from current.		indicating the test
			suite loading process
			and opens another
			Consistency
			Management window
			comparing the
			selected Test suite
			file.

2.6.5 UC 149 - Automatic Association configuration

Configuring Automatic Association.

Setup: [setup]

Main Flow

SC_01

Description: Changing Test Suite file.

From Step: UC_146#1A

Step Id	User Action	System State	System Response
1M	In Automatic	There is a new	The First Most
	Association area,	modified test that	Similar percentage is
	fill the "First	has one test much	changed.
	most similar"	similar with it	
	with a value a	(similarity	
	little less than	percentage value is	
	the similarity	high) and the others	
	percentage of	are very different	
	first test case	from it (similarity	
	most similar to	percentage value is	
	new test case.	lower than the first	
		most similar).	

2M	In Automatic	[condition]	The Second Most
	Association area,	[condition]	Similar percentage is
	fill the "Second		changed.
	most similar"		
	with a value a		
	higher than the		
	similarity		
	percentage of		
	second test case		
	most similar to		
	new test case.		
3M	Press "Refresh"	[condition]	The first most
	button	[condition]	similar test case is
			automatically checked
			in the Old Test Cases
			table.

2.6.6 UC 150 - Generating test suite on Consistency Management

Generates a test suite on the Consistency Management editor.

Setup: [setup]

Main Flow

SC_01

Description: Generates a test suite on the Consistency Management editor.

From Step: UC_145#2M

Step Id	User Action	System State	System Response
1M	Select the "Save	[condition]	The "Test Cases
	Test Suite"	[condition]	Generation Summary"
	button in the		pop up is displayed
	"Comparison		informing the number
	Results" section.		of generated test
			cases and the total
			time required to
			complete the process.
			[FR_TARGET_0160]

2.7 Controlled Natural Language (CNL)

This section presents the use cases related to the Controlled Natural Language (CNL) feature.

2.7.1 UC 151 - Adding a term to the lexicon

Adds a term to the CNL lexicon according to the type selected by the user

Setup: [setup]

Main Flow

SC_01

Description: Adds an unknown term to the CNL lexicon

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Choose the option "Add New Term" in the CNL view.	[condition]	The "Add New Lexical Term" dialog box is displayed.
2M	Choose one unknown term from the use case document in the "Term" combo.	There is at least one use case document imported. There is at least one word, in the imported use case documents, that was not found in the lexicon.	The selected term is displayed.
3M	Select a term type in the combo.	All the required fields are filled in.	The fields related to the selected term are displayed.
4M	Fill in the fields with the term's required information.	All the required fields are filled in.	The "Add New Term" button is enabled.
5M	Press the "Add New Term" button.	[condition]	The CNL is reloaded and a success message is displayed indicating that the term was added to the lexicon. [FR_TARGET_256]

Alternative Flows

SC_02

Description: Adds a new term to the lexicon

From Step: 1M

To Step: 4M

Step Id	User Action	System State	System Response
1A	Choose the option " <new term="">" in "Term" combo.</new>	[condition]	No term is displayed.

SC_03

Description: Adds an existing term in a different category.

From Step: 1A To Step: END

Step Id	User Action	System State	System Response
18	Select a term type in the combo and fill in with the term's required information.	The term was already added in the lexicon in a different category. All the required fields are filled in.	The "Add New Term" button is enabled.
2В	Press the "Add New Term" button.	[condition]	A message is displayed informing that the term that the user is trying to add already exists in a different category. The system asks the user for a confirmation.
3В	Press the "Yes" option.	[condition]	The CNL is reloaded and a success message is displayed indicating that the term was added to the lexicon. [FR_TARGET_256]

SC_04

Description: Cancel the addition of an existing term in a different category.

From Step: 2B
To Step: END

Step Id	User Action	System State	System Response
1H	Select a term	The term was already	The "Add New Term"
	type in the combo	added in the lexicon	button is enabled.
	and fill in with	in a different	
	the term's	category. All the	
	required	required fields are	
	information.	filled in.	

2Н	Press the "Add New Term" button.	[condition]	A message is displayed informing that the term that the user is trying to add already exists in a different category. The system asks the user for a confirmation.
3Н	Press the "No" option.	[condition]	The "Add New Lexical Term is displayed".

Exception Flows

SC_05

Description: Adds the same term twice.

From Step: 1A
To Step: END

Step Id	User Action	System State	System Response
1C	Select a term type in the combo and fill in with the term's required	The term was already added in the lexicon in the same category that was selected in the term type combo.	The "Add New Term" button is enabled.
	information.	All the required fields are filled in.	
2C	Press the "Add New Term" button.	[condition]	The system displays an error message indicating that it is not possible to add a term in a same category twice.

SC 06

Description: Adds a modal verb to the lexicon.

From Step: 1A To Step: END

Step Id User Action System State System	n Response
---	------------

1D	Select the "Verb" category in the term type combo. Fill at least one	[condition]	The system displays an error message indicating that it is not possible to add a modal verb in the
	of the required fields with one of the following modal verbs: "can, could, may, must, might, should, ought, shall, will, would".		lexicon.

Description: Adds a pronoun to the lexicon.

From Step: 1A
To Step: END

Step Id	User Action	System State	System Response
1E	Select a term type in the combo and fill at least one of the required fields with one of the following pronouns: "I, you, he, she, it, we, they, me, him, her, us, them, my, mine, your, yours, his, her, hers, its, our, ours, yours, your, their, theirs, myself, yourself, himself, herself, itself, ourselves, yourselves, themselves".	[condition]	The system displays an error message indicating that it is not possible to add a pronoun in the lexicon.

SC_08

Description: Adds a misspelled term in the lexicon.

From Step: 1A
To Step: END

Step Id	User Action	System State	System Response

1F	Select a term	All the required	The "Add New Term"
	type in the combo	fields are filled in.	button is enabled.
	and fill in the	The term type has to	
	fields with the	be one of the	
	misspelled term's	following: "Noun,	
	values.	Adverb, Adjective or	
		Verb".	
2F	Press the "Add	[condition]	A message is
	New Term" button.	[condition]	displayed informing
			that the term that
			the user is trying to
			add may not be well
			spelled. The system
			asks the user for a
			confirmation.
3F	Press the "No"	[condition]	The dialog input
	option.	[condition]	fields are cleared.

Description: Adds a term in the lexicon in a wrong category. From Step: 1A $\,$

Step Id	User Action	System State	System Response
1G	Select a term type in the combo and fill in the fields with a term from another category.	All the required fields are filled in. The term type has to be one of the following: "Noun, Adverb, Adjective or Verb".	The "Add New Term" button is enabled.
2G	Press the "Add New Term" button.	[condition]	A message is displayed informing that the term that the user is trying to add may not be suitable to its category according to the CNL dictionary. The system asks the user for a confirmation.
3G	Press the "No" option.	[condition]	The dialog input fields are cleared.

2.7.2 UC 152 - Searching a term in the lexicon

Searches a term in the lexicon and displays the term's information.

Setup: [setup]

Main Flow

SC_10

Description: Searches a term in the lexicon.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Choose the option	The TaRGeT is already	The "Edit/Remove
	"Edit/Remove	started up.	Lexical Term" dialog
	Terms" in the CNL		box is displayed.
	view.		
2M	Type the term in	[condition]	The results are
	the "Search"	[condition]	displayed in the
	input field.		"Vocabulary" area.
			[FR_TARGET_256]

2.7.3 UC 153 - Updating a term

Updates a term from the lexicon

Setup: [setup]

Main Flow

SC_01

Description: Updates the term values.

From Step: UC 151#1M

Step Id	User Action	System State	System Response
1M	Select the term	There is at least one	The term to be
	to be updated in	term in the	updated is selected.
	the "Vocabulary"	vocabulary list.	
	list.		
2M	Press the "Edit"	[condition]	Editable fields are
	button.	[condition]	displayed in the
			dialog box.
3M	Change at least	[condition]	The term fields are
	on of the term	[condition]	modified.
	values.		

4 M	Press the "Save"	All the required	The term is updated
	button.	fields are filled in.	in the lexicon.
			[FR TARGET 256]

Alternative Flows

SC_02

Description: Updates the term category.

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1A	Change the term	[condition]	The term fields and
	type and fill in	[condition]	category are
	the term's		modified.
	values.		
2A	Press the "Save"	All the required	The term is updated
	button.	fields are filled in.	in the lexicon.
			[FR_TARGET_256]

Exception Flows

SC_03

Description: Updates a term with the values of an existing one.

From Step: 2M To Step: END

Step Id	User Action	System State	System Response
1B	Change the term	The new term type and	The term fields and
	type and fill in	fields have to be	category are
	the term's	equals to an existing	modified.
	values.	term in the lexicon.	
2B	Press the "Save"	All the required	The system displays
	button.	fields are filled in.	an error message
			indicating that it is
			not possible to add a
			term in a same
			category twice.

SC_04

Description: Updates a term with misspelled values.

From Step: 2M To Step: END

Step Id	User Action	System State	System Response

1C	Fill in the term's fields with misspelled values.	All the required fields are filled in. The term type is one of the following: "Noun, Adverb, Adjective or Verb".	The term fields are modified.
2C	Press the "Save" button.	All the required fields are filled in.	A message is displayed informing that the term that the user is trying to add may not be well spelled. The system asks the user for a confirmation.
3C	Press the "No" option.	[condition]	The modifications are ignored and the term's initial values are displayed.

2.7.4 UC 154 - Deleting a term

Deletes a term from the lexicon.

Setup: [setup]

Main Flow

SC_01

Description: Deletes a term from the lexicon.

From Step: UC_151#1M

Step Id	User Action	System State	System Response
1M	Select the term	There is at least one	The term to be
	to be deleted in	term in the	deleted is selected.
	the "Vocabulary"	vocabulary area.	
	area.		
2M	Press the	[condition]	A dialog box is
	"Remove" button.	[condition]	displayed asking the
			user to confirm the
			term exclusion.
4 M	Press the "Yes"	All the required	The CNL is reloaded
	button.	fields are filled in.	and a success message
			is displayed
			indicating that the
			term was removed from
			the lexicon.
			[FR_TARGET_256]

2.7.5 UC 155 - Visualizing unknown term's synonyms

Shows unknown term's synonyms.

Setup: [setup]

Main Flow

SC 01

Description: Shows unknown term's synonyms.

From Step: UC_150#1M

To Step: END

Step Id	User Action	System State	System Response
1M	Choose one	There is at least one	The selected term and
	unknown term from	use case document	its synonyms are
	the use case	imported. There is at	displayed in the "Add
	document in the	least one word, in	New Lexical Term"
	"Term" combo.	the imported use case	dialog box.
		documents, that was	[FR_TARGET_257]
		not found in the	
		lexicon. The term has	
		a synonym already	
		added in the lexicon.	
		The term type is one	
		of the following:	
		"Noun, Adverb,	
		Adjective or Verb".	

2.7.6 UC 156 - Reloading CNL

Reloads the CNL configuration files and reprocess the imported use case documents.

Setup: [setup]

Main Flow

SC 01

Description: Reloads the CNL configuration files.

From Step: START To Step: END

Step Id User Action System State System Response

1M	Press the reload CNL button in the	[condition]	The system displays a progress bar
	CNL View.		informing the progress of the task.
			The system reloads
			CNL configuration
			files and reprocesses
			imported use case
			documents.
			[FR_TARGET_261]

2.7.7 UC 157 - Visualizing errors from action sentences

Displays the errors from action sentences in the error table in the CNL view.

Setup: [setup]

Main Flow

SC 01

Description: Displays the errors from action sentences.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Press the "Show	There is at least one	The system displays
	errors from	error from an action	the errors from
	action sentences"	sentence in the error	action sentences in
	button in the CNL	table. The "Show	the error table in
	View.	errors from action	the CNL view.
		sentences" button is	[FR TARGET 260]
		not selected.	

2.7.8 UC 158 - Visualizing errors from condition sentences

Displays the errors from condition sentences in the error table in the CNL view .

Setup: [setup]

Main Flow

SC 01

Description: Displays the errors from condition sentences.

Step Id	User Action	System State	System Response
1M	Press the "Show	There is at least one	The system displays
	errors from	error from a	the errors from
	condition	condition sentence in	condition sentences
	sentences" button	the error table. The	in the error table in
	in the CNL View.	"Show errors from	the CNL view.
		condition sentences"	[FR TARGET 260]
		button is not	
		selected.	

2.7.9 UC 159 - Visualizing errors from response sentences

Displays the errors from response sentences in the error table in the CNL view .

Setup: [setup]

Main Flow

SC 01

Description: Displays the errors from response sentences.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Press the "Show	There is at least one	The system displays
	errors from	error from a response	the errors from
	response	sentence in the error	response sentences in
	sentences" button	table. The "Show	the error table in
	in the CNL View.	errors from response	the CNL view.
		sentences" button is	[FR TARGET 260]
		not selected.	

2.7.10 UC 160 - Visualizing syntax errors details

Displays syntax errors details in the "Syntax Errors" dialog box.

Setup: [setup]

Main Flow

SC_01

Description: Displays syntax errors details.

Step Id	User Action	System State	System Response
1M	Press the "Show	There is at least one	The "Syntax Errors"
	the Syntax Errors	syntax error in the	dialog box is
	Details" button	error table.	displayed and the
	in the CNL View.		details about the
			syntax errors are
			showed.
			[FR_TARGET_258]

Alternative Flows

SC_02

Description: Changes selected sentence in the "Syntax Errors" dialog box.

From Step: 1M
To Step: END

Step Id	User Action	System State	System Response
1A	Select a	There is more than	The "Syntax Errors"
	different	one syntax error in	dialog box is updated
	sentence in the	the error table.	and the details about
	"Error Sentences"		the syntax errors
	combo.		from the selected
			sentence are showed.
			[FR_TARGET_258]

2.7.11 UC 161 - Sorting errors by description

Sorts errors in the error table by its descriptions.

Setup: [setup]

Main Flow

SC_01

Description: Sorts errors in the error table by its descriptions.

Step Id	User Action	System State	System Response
1M	Press the	There is more than	The errors in the
	"Description"	one error in the	error table are
	cell in the error	error table.	sorted alphabetically
	table in the CNL		by its descriptions.
	view.		[FR_TARGET_259]

2.7.12 UC 162 - Sorting errors by use case sentences

Sorts errors in the error table by the use case sentences where they were found.

Setup: [setup]

Main Flow

SC 01

Description: Sorts errors in the error table by the use case sentences where

they were found. From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Press the	There is more than	The errors in the
	"Sentence" cell	one error in the	error table are
	in the error	error table.	sorted alphabetically
	table in the CNL		by by the use case
	view.		sentences where they
			were found.
			[FR_TARGET_259]

2.7.13 UC 163 - Sorting errors by step ID

Sorts errors in the error table by the ID of the step where they were found.

Setup: [setup]

Main Flow

SC_01

were found.

Step Id	User Action	System State	System Response
1M	Press the "Step"	There is more than	The errors in the
	cell in the error	one error in the	error table are
	table in the CNL	error table.	sorted alphabetically
	view.		by the ID of the step
			where they were
			found.
			[FR_TARGET_259]

2.7.14 UC 164 - Sorting errors by use case document name

Sorts errors in the error table by the name of the use case document where they were found.

Setup: [setup]

Main Flow

SC 01

Description: Sorts errors in the error table by the name of the use case

document where they were found.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Press the	There is more than	The errors in the
	"Resource" cell	one error in the	error table are
	in the error	error table.	sorted alphabetically
	table in the CNL		by the name of the
	view.		use case document
			where they were
			found.
			[FR TARGET 259]

2.8 Use Case Editor

This section presents the use cases related to the TaRGeT Use Case Editor.

2.8.1 UC 170 - Opening a new use case editor

Opens the use case editor with empty fields.

Setup: [setup]

Main Flow

SC_01

Description: Opens the use case editor with empty fields.

Step Id	User Action	System State	System Response
1M	Choose the	The TaRGeT is already	A drop down menu is
	"Tools" option in	started up. There is	displayed.
	the menu bar.	an already created	
		project.	

2M	Choose the "Use	[condition]	The "Use Case Editor"
	Case Editor"	[condition]	window is displayed.
	option in the		All editor fields are
	drop down menu.		empty
			[FR_TARGET_262].

Alternative Flows

SC 02

Description: Opens the use case editor using the keyboard shortcut.

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1A	Type the CTRL+E	The TaRGeT is already	The "Use Case Editor"
	shortcut in the	started up. There is	window is displayed.
	keyboard.	an already created	All editor fields are
		project.	empty
			[FR_TARGET_262].

2.8.2 UC 171 - Open an existing use case

Opens an existing use case using the Use Case Editor.

Setup: [setup]

Main Flow

SC_01

Description: Opens an existing use case using the Use Case Editor.

Step Id	User Action	System State	System Response
1M	In the "Artifacts	The TaRGeT is already	A context menu is
	View" select a	started up. There is	displayed.
	use case and	an already created	
	perform a mouse	project with at least	
	right click	one use case document	
		(imported or created)	
		without errors.	

2М	Select the "Edit with Use Case Editor" option.	[condition]	The "Use Case Editor" window is displayed. The editor fields are filled in with the use case information [FR TARGET 263]
			[FR_TARGET_263].

Alternative Flow

SC_02

Description: Opens the same use case twice.

From Step: 2M To Step: END

Step Id	User Action	System State	System Response
1A	Select the same	[condition]	The Use Case Editor
	use case and try	[condition]	is not opened again.
	to open it again		
	using the Use		
	Case Editor.		

2.8.3 UC 172 - Saving the use case

Saves the use case in the Use Case Editor and updates the use case document file in the project directory.

Setup: [setup]

Main Flow

SC_01

Description: Saving a new use case.

From Step: UC_170#2M

To Step: END

Step Id User Action System State System Response

1M	In the use case	All use case	A "Save File" dialog
	editor press the	mandatory fields are	box is displayed. The
	"Save" button.	filled in and the use	dialog shows the
		case has no errors.	"usecases" directory
			in the project's
			folder. The "File
			Name" field is filled
			in with the feature
			name.
2M	Press the "Save"	[condition]	A progress bar is
	button.	[condition]	displayed. The
			"Artifacts" and the
			"Feature" views are
			updated. The use case
			document is saved in
			the project's folder
			[FR_TARGET_270].

Alternative Flows

SC_02

Description: Saving a new use case using Ctrl+S shortcut.

From Step: UC 170#1A, UC 170#2M

To Step: 2M

Step Id	User Action	System State	System Response
1A	Type the CTRL+S	All use case	A "Save File" dialog
	shortcut in the	mandatory fields are	box is displayed. The
	keyboard.	filled in and the use	2
		case has no errors.	"usecases" directory
			in the project's
			folder. The "File
			Name" field is filled
			in with the feature
			name .

sc_03

Description: Updating an existing use case.

From Step: UC_171#2M

To Step: END

Step Id User Action System State System Response

1B	In the use case	All use case	A progress bar is
	editor press the	mandatory fields are	displayed. The
	"Save" button.	filled in and the use	"Artifacts" and the
		case has no errors.	"Feature" views are
			updated. The use case
			document in the
			project's folder is
			updated
			[FR_TARGET_270].

Description: Adding new use case to an existent use case document.

From Step: UC_171#2M

To Step: END

Step Id	User Action	System State	System Response
1C	Fill in the	All use case	A progress bar is
	feature id in the	mandatory fields are	displayed. A new use
	use case editor	filled in, the use	case is added to the
	with an existent	case has no errors	use case document
	value and press	and there is an use	with the same
	the "Save"	case document at	feature. The
	button.	Target.	"Artifacts" and the
			"Feature" views are
			updated. The use case
			document in the
			project's folder is
			updated
			[FR_TARGET_270].

SC_05

Description: Updating an existing use case using Crtl+S.

From Step: UC_171#2M

Step Id	User Action	System State	System Response
1D	Type the CTRL+S	All use case	A progress bar is
	shortcut in the	mandatory fields are	displayed. The
	keyboard.	filled in and the use	"Artifacts" and the
		case has no errors.	"Feature" views are
			updated. The use case
			document in the
			project's folder is
			updated
			[FR_TARGET_270].

Exception Flows

SC_06

Description: Saving document with mandatory fields missing.

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1E	In the use case	There is an editor	An error message is
	editor press the	Use Case opened and	displayed, the first
	"Save" button.	it has at least one	missing field is
		use case mandatory	highlighted and the
		field empty.	document is not saved
			[FR_TARGET_270].

SC_07

Description: Saving document with some wrong references at FROM or TO fields.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1F	In the use case	There is an editor	An error message is
	editor press the	Use Case opened, all	displayed, the wrong
	"Save" button.	mandatory fields are	fields are
		filled in and it has	highlighted and the
		inexistent references	document is not saved
		at FROM or TO fields.	[FR_TARGET_270].

SC_08

Description: Removing the highlight of the field.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1G	Click in any	There are fields	Fields highlighted
	field.	highlighted in red	in red change color
		due to errors during	to white.
		save.	

2.8.4 UC 173 - Searching words

Finding words at use case editor fields.

Setup: [setup]

Main Flow

SC_01

Description: Finding words at use case editor fields.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	In the use case	There is an editor	An empty dialog is
	editor press the	Use Case opened and	displayed and the
	"Search" button.	it has some fields	button search is
		filled in.	disabled.
2M	Type the word to	[condition]	The button search is
	be searched.	[condition]	enabled.
3M	Press the	[condition]	All fields that
	"Search" button	[condition]	contains the word
			typed or an word that
			has the word typed
			like a substring is
			highlighted in green
			[FR_TARGET_268].

SC_02

Description: Removing the highlight of the field before search action.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1A	Click in any	There are fields	Fields highlighted
	field.	highlighted in green	in green change color
		due to search made	to white.
		before.	

2.8.5 UC 174 - Adding an alternative flow

Adding an alternative flow to an use case

Setup: [setup]

Main Flow

SC_01

Description: Adding a new alternative flow to an use case.

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Press the "Add an	There is an Use Case	An empty flow is
	Alternative Flow"	editor opened.	added at Alternative
	button		Flow section
			[FR_TARGET_264].

2.8.6 UC 175 - Removing an alternative flow

Removing an alternative flow from an use case

Setup: [setup]

Main Flow

SC_01

Description: Removing an alternative flow from an use case.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Press the	There is a Use Case	The alternative flow
	"Remove" button	editor opened with at	is removed from
	from the	least one alternative	Alternative Flows
	alternative flow	flow. There is no	section
	that you want to	flow referring steps	[FR_TARGET_265].
	remove.	from flow that will	
		be removed.	

Exception Flow

SC_02

Description: Removing a referred alternative flow from an use case.

From Step: START To Step: END

Step Id	User Action	System State	System Response

1A	Press the	There is a Use Case	1. All FROM and TO
	"Remove" button	editor opened and	fields that refers
	from the	there are flows	the flow is
	alternative flow	referring steps from	highlighted in red.
	that you want to	flow that will be	2.A dialog is
	remove.	removed.	displayed with the
			message: "This flow
			is referred by
			another one.Are you
			sure that you want to
			remove it?"
			[FR TARGET 265]
2A	Press "Yes"	[condition]	The flow is removed
	button.	[condition]	and all FROM and TO
			fields that refers it
			stay highlighted in
			red.

sc_03

Description: Cancel the action to remove a referred alternative flow from an use case.

From Step: 1A
To Step: END

Step Id	User Action	System State	System Response
1B	Press "No"	[condition]	The flow is not
	button.	[condition]	removed and all FROM
			and TO fields that
			refers it change
			their color to white.

2.8.7 UC 176 - Adding a step

Adding a step to a flow.

Setup: [setup]

Main Flow

SC_01

Description: Adding a new step to a flow using ENTER.

From Step: START To Step: END

Step Id User Action System	n State System	Response
----------------------------	----------------	----------

1M	Select a step at	There is an Use Case	A new empty step is
	the flow and	editor opened.	added to the flow
	press ENTER at		bellow the selected
	keyboard.		step [FR_TARGET_266].

Alternative Flows

SC_02

Description: Adding a new step (bellow) to a flow using a context menu.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1A	Select a step at	There is an Use Case	A context menu is
	the flow and	editor opened.	displayed with three
	click the right		options.
	mouse button.		
2A	Select the option	[condition]	A new empty step is
	"Insert a step	[condition]	added to the flow
	bellow"		bellow the selected
			step [FR_TARGET_266].

sc_03

Description: Adding a new step (above) to a flow using a context menu.

From Step: 1A To Step: END

Step Id	User Action	System State	System Response
1B	Select the option	[condition]	A new empty step is
	"Insert a step	[condition]	added to the flow
	above"		above the selected
			step [FR_TARGET_266].

2.8.8 UC 177 - Removing a step

Removing a step from a flow.

Setup: [setup]

Main Flow

SC_01

Description: Removing a step from a flow using DELETE.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Select a step at	There is an Use Case	The step selected is
	the flow and	editor opened.	removed from the flow
	press DELETE at		[FR_TARGET_267].
	keyboard.		

Alternative Flows

SC_02

Description: Removing a step from a flow using a context menu.

From Step: UC 176#1A

To Step: END

Step Id	User Action	System State	System Response
1A	Select the option "Remove step"	[condition]	The step selected is removed from the flow [FR_TARGET_267].

2.8.9 UC 178 - Exporting an Use Case Document

Exporting an use case document.

Setup: [setup]

Main Flow

SC_01

Description: Exporting an use case document in PDF format at the first time.

From Step: UC 171#2M

To Step: END

Step Id User Action System State System Response

1M	Press the button	No use case document	A progress bar is
	"Export Use Case	was exported before.	displayed and the
	Document" at use		directory "exported"
	case editor.		is created in TaRGeT
			project. Inside this
			directory, the
			exported PDF file
			can be found. The
			file's name is the
			same name of the
			feature
			[FR_TARGET_269].

Alternative Flow

SC_02

Description: Exporting an use case document in PDF format

From Step: UC_171#2M

To Step: END

Step Id	User Action	System State	System Response
1A	Press the button	An use case document	A progress bar is
	"Export Use Case	was exported before.	displayed and the PDF
	Document" at use		file is created at
	case editor.		directory "exported"
			in TaRGeT project.
			The file's name is
			the same name of the
			feature
			[FR_TARGET_269].

Exception Flow

sc_03

Description: Exporting an use case document from an use case editor with empty mandatory fields.

From Step: START
To Step: END

Step Id	User Action	Svstem State	System Response

1B	Press the button	There is an use case	An error message is
	"Export Use Case	editor opened with	displayed, the first
	Document" at use	empty mandatory	missing field is
	case editor.	fields. This use case	highlighted in red
		was not saved yet.	and the document is
			not exported
			[FR_TARGET_269].

2.9 Others

This section presents use cases related to: About window, and Help.

2.9.1 UC 135 - Viewing the About Window

Displaying the About Window.

Setup: [setup]

Main Flow

SC_01

Description: Access the about window.

From Step: START To Step: END

Step Id	User Action	System State	System Response
1M	Choose "Help"	The TaRGeT is already	A drop down menu is
	option in the	started up.	displayed.
	menu bar.		[FR_TARGET_0205]
2M	Choose "About	[condition]	"About" window is
	TaRGeT" option in	[condition]	displayed. The
	the drop down		content of the
	menu.		windows is detailed
			in TaRGeT
			requirements
			document.
			[FR_TARGET_0210]

2.9.2 UC 140 - Viewing the Help Window

Displaying the Help Window.

Setup: [setup]

Main Flow

SC 01

Description: Access the help window.

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Choose "Help"	The TaRGeT is already	A drop down menu is
	option in the	started up.	displayed.
	menu bar.		
2M	Choose "Help	[condition]	"Help" window is
	Contents" option	[condition]	displayed.
	in the drop down		[FR_TARGET_0205]
	menu.		

2.10 Advices

2.10.1 ASP01 - Select input use case document

In the "Import Document" window, displays use case documents to be imported.

ADV01 1

Description: Select use case document file type .

Type: AFTER

Pointcut: UC 30#3M

Step Id	User Action	System State	System Response
1R	Select the file	_	Only files in the
	type of the use		format of the
	case document.		selected file type
			are displayed.

ADV01_2

Description: Describes the behavior when the user imports a use case document in MS Word format and the Use Case Editor is present.

Type: AFTER

Pointcut: UC_30#5M

Step Id	User Action	System State	System Response
1R	_	_	The use case
			documents that were
			in MS Word format
			were transformed into
			XML files.

2.10.2 ASP02 - Updating use case document outside TaRGeT

Updates imported use case document using operational system's default editor.

ADV02_1

Description: Updates use case document in XML format.

Type: AROUND

Pointcut: [pointcut]

Step Id	User Action	System State	System Response
1R	Open an already	TaRGeT is started up	The document is
	imported Use Case	and a project is	opened in the default
	Document with the	opened. There is at	viewer outside the
	Operational	least one imported	TaRGeT.
	System's default	Use Case Document	
	XML editor. The	with duplicated step	
	document has a	ID in the project.	
	duplicated step		
	ID.		
	[FR TARGET 0005]		

ADV02_2

Description: Updates use case document in XLS format.

Type: -

Step I	d User	r Action	System	State	System	Respon	nse

1S	Open an already	TaRGeT is started up	The document is
	imported Use Case	and a project is	opened in the default
	Document with	opened. There is at	viewer outside the
	Microsoft Excel.	least one imported	TaRGeT.
	The document has	Use Case Document	
	a duplicated step	with duplicated step	
	ID.	ID in the project.	
	[FR_TARGET_0005]		

2.10.3 ASP03 - Rejecting crashed Use Case Documents

Opens imported use case document using operational system's default editor.

ADV03 1

Description: Opens use case documents in XML format.

Type: -

Pointcut: [pointcut]

Step Id	User Action	System State	System Response
1R	Double-click on a	A project is opened	The Operational
	Use Case Document	in TaRGeT. There is	System's default XML
	in the	one imported and	editor is invoked and
	"Artifacts" view.	valid Use Case	the document is
		Document.	opened.
			[FR_TARGET_0005]

ADV03_2

Description: Opens use case documents in XLS format.

Type: -

Step Id	User Action	Svstem State	System Response
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1R	Double-click on a	A project is opened	The Microsoft Excel
	Use Case Document	in TaRGeT. There is	is invoked and the
	in the	one imported and	document is opened.
	"Artifacts" view.	valid Use Case	[FR TARGET 0005]
		Document.	

$\underline{2.10.4}$ ASP04 - Rejecting a Use Case Document With Duplicated Feature $\underline{\text{ID}}$

Opens imported use case document using operational system's default editor.

ADV04_1

Description: Opens use case documents in XML format.

Type: -

Pointcut: [pointcut]

Step Id	User Action	System State	System Response
1R	Double-click on a	A project is opened	The Operational
	Use Case Document	in TaRGeT. There are	System's default XML
	in the	two imported and	editor is invoked and
	"Artifacts" view.	valid Use Case	the document is
		Document.	opened.
			[FR_TARGET_0005]

ADV04_2

Description: Opens use case documents in XLS format.

Type: -

Step Id	User Action	System State	System Response
1R	Double-click on a	A project is opened	The Microsoft Excel
	Use Case Document	in TaRGeT. There are	is invoked and the
	in the	two imported and	document is opened.
	"Artifacts" view.	valid Use Case	[FR_TARGET_0005]
		Document.	

<u>2.10.5</u> ASP05 - Rejecting a Use Case Document With Duplicated Use Case ID

Opens imported use case document using operational system's default editor.

ADV03_1

Description: Opens use case documents in XML format.

Type: -

Pointcut: [pointcut]

Step Id	User Action	System State	System Response
1R	Double-click on a	A project is opened	The Operational
	Use Case Document	in TaRGeT. There is	System's default XML
	in the	one imported and	editor is invoked and
	"Artifacts" view.	valid Use Case	the document is
		Document. The	opened.
		document has at least	[FR TARGET 0005]
		one feature with more	
		than one use case.	

ADV03_2

Description: Opens use case documents in XLS format.

Type: -

Pointcut: [pointcut]

Step Id	User Action	System State	System Response
1R	Double-click on a	A project is opened	The Microsoft Excel
	Use Case Document	in TaRGeT. There is	is invoked and the
	in the	one imported and	document is opened.
	"Artifacts" view.	valid Use Case	[FR_TARGET_0005]
		Document. The	
		document has at least	
		one feature with more	
		than one use case.	

2.10.6 ASP06 - Generating Test Suites through the On The Fly Generation

Generates Test Suite and Requirements specification document compatible with TestLink tool. Generates Test Suit importing a template.

Main Flow

ADV06 1

Description: Generates Test Suite and Requirements specification document

compatible with TestLink tool.

Type: AROUND Pointcut:

Step Id	User Action	System State	System Response
1R	Go to "Test Cases" tab in the "On The Fly Generation Editor" view and click on the "Save Test Suite" button.	[condition]	The system asks the user if it wants to generate the requirements specification file.
2R	The user selects the "Yes" button.	[condition]	The system displays a message indicating where the requirements specification file was saved.
3R	The user press "OK" button.	[condition]	The system asks the use to type the name of the requirements specification.
4R	The user types the name of the requirements specification document and presses the "OK" button.	[condition]	The "Test Cases Generation Summary" pop up is displayed informing the number of generated test cases and the total time required to complete the process. [FR_TARGET_0160]

ADV06_2

Description: Generates Test Suit importing a template.

Type: AFTER

Pointcut: UC_110#2M

	Step Id	User Action	System State	System Response
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1B	Go to "Test	No filter is	The "Import Template"
	Cases" tab in the	selected.	pop up is displayed
	"On The Fly	[FR_TARGET_0150]	asking you if you
	Generation		want to import a
	Editor" view and		spreadsheet template
	click on the		to generate the test
	"Save Test Suite"		suit based on it
	button.		[FR_TARGET_0251].
2B	Press "Yes"	[condition]	A "Browse File"
	button.	[condition]	window is showed to
			select the .xls file.
3B	Choose a .xls	There is available a	The "Test Cases
	template and	spreadsheet template	Generation Summary"
	press "Open".	exported from Test	pop up is displayed
		Central.	informing the number
			of generated test
			cases and the total
			time required to
			complete the process.

2.10.7 ASP07 - Preferences

Displays Preferences fields.

Main Flow

ADV07 1

Displays Preferences fields in STD versions.

Type: -

Step Id	User Action	System State	System Response
1R	Select	[condition]	The Preferences
	"Preferences"	[condition]	wizard is displayed
	option.		with "Component
			Keyword", "Test Case
			ID", "Test Case
			Initial ID", "Empty
			Field", "Objective
			Prefix"fields.