

Use case for MobileMedia Application Release 3

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Color Code:

Red: Change in usecases
Blue: New usecase

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MobileMedia Release 3: This release includes set a favourite photo and viewing it.

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Usecase: Set Favourite

Actor: Mobile Phone (system) and User

Description: The user can select an image as favourite in an album

Precondition:

Application must be launched

A few images or audio files must be available in album or device memory

Trigger: User chooses to set image or audio file as favourite

Scenario:

1. (favourite) User selects a image or audio file from the list of image or audio files to be set as favourite

Extensions:

- 1a. (null data) There are no images or audio file available in the album

Usecase: View Favourites

Actor: Mobile Phone (system) and User

Description: The user can view the favourite images.

Precondition:

Application must be launched

The album must exist in the device memory

The album must contain images

Trigger: User chooses to view the favourite images

Scenario:

1. (view) The user selects the option to view favourite images that have been set as favourite
2. (view) The device lists images in order of most favourite image being at the top

Extensions:

- 1a. (null data) There are no images available on the mobile phone

Extend: *View content Usecase*

Usecase: Count Photo

Actor: Mobile Phone (system) and User

Description: The device keeps count of number of time an image has been viewed

Precondition:

Application must be launched

A few images or audio files must be available

Trigger: When a user views an image

Scenario:

1. (count image) When an image is viewed the device counts up the number of times an image has been viewed.
2. (update) The information for the image is update in the device memory

Extension:

- 1a. (update) The device is unable to updated the modified information

Extends: *View Content Usecase*

Usecase: Sort Photo

Actor: Mobile Phone (system) and User

Description: The device sorts the image based on the number of times an image has been viewed and an audio file has been played.

Precondition:

Application must be launched

A few images or audio files must be available

Trigger: User chooses to sort image based on the number of times it has been viewed or sort audio files according to the number of times they have been played.

Scenario:

1. (sort) The device populates the list of images sorted by the highest viewing frequency
2. (update) The information for the image is update in the device memory

Extension:

- 1a. (update) The list is updated with the modified information.

Includes: *Count Photo Usecase*

Usecase: Edit Label

Actor: Mobile Phone (system) and User

Description: The user can edit the existing label of image and album

Precondition:

Application must be launched

Label for image or album must already exist

User must have selected the option to edit an image label

Trigger: User chooses to edit the image label

Scenario:

1. (edit) The users enters the new label for image
2. (save) Save the changed label
3. (update) The list is updated with the modified information

Extensions:

1a. (label) The label already exists:

- 1a1. options to either replace the existing image
- 1a2. save image with other name

2a. (update) The device is unable to update the modified information

Extends: *Provide Label Usecase*

Usecase: Add Photo

Actor: Mobile Phone (system) and User

Description: The user can store (add) an image in an album available in the device

Precondition:

Application must be launched;

There must be an album available.

Trigger: User chooses to add an image

Scenario:

1. (select) The user selects an album to store the image.
2. (add) The user selects the option to add image.
3. (path) User provides the path from where the image is uploaded.
4. (label) User assigns a label to the image.
5. (saved) The new image is stored in the selected album.
6. (update) The list is updated with the modified information

Extensions:

3a. (path) Invalid Information:

- 3a1. Incorrect path is provided
- 3a2. The image at the specified path is inaccessible

4a. (label) The label already exists:

- 4a1. options to either replace the existing image
- 4a2. save the image with other name
- 5a. (saved) Problem occurs with storing image in specified album and/or device memory
- 6a. (update) Unable to update the modified information

Includes: *Provide Label Usecase*

Usecase: Delete Photo

Actor: Mobile Phone (system) and User

Description: The user can delete image from an album in the device

Precondition:

- Application must be launched,
- An image must exist in an album.

Trigger: User chooses to delete image

Scenario:

1. (select) The user selects an album from which images or audio file has to be removed
2. (listing) The device populates the list of available image in an album
3. (delete) The user selects the option to remove the image. The image is removed from the device memory
4. (update) The list is updated

Extensions:

- 1a. (null data) There are no images or audio files available on the device memory
- 3a. (delete) Problem occurs with deleting image from album and/or device memory
- 4a. (update) Problem with updating the modified information

Usecase: View Content

Actor: Mobile Phone (system) and User

Description: The user can view a image or album content on the device memory

Precondition:

- Application must be launched
- A image must exist on an album

Trigger: User chooses to view an album or image in an album

Scenario:

1. (select)The user selects an album
2. (listing) The device populates the list of available images in an album
3. (view) User views the content of the album

Extensions:

- 1a. (null data) There are no images available on the device memory
- 3b. (view) View an image:
 - 3a1. User selects an image from the list of images in an album.
 - 3a2. Image is displayed on the screen
- 3c. (view) Problem occurs with retrieving
 - 3c1. Problem in retrieving albums on the device
 - 3c2. Problem in retrieving the images in an album

Usecase: Add Album

Actor: Mobile Phone (system) and User

Description: The user can store (add) an album on the device

Precondition: Application must be launched;

Trigger: User chooses to add an album

Scenario:

1. (add)The user selects the option to add an album.
2. (label) User provides label to the new created album

3. (saved) A new album is available on device memory
4. (update) The list is updated

Extensions:

2a. (label) The label already exists:

- 2a1. options to either replace the existing album
- 2a2. save album with other name

3a.(saved) Problem occurs with generating an album in device memory

4a.(update) Problem with updating the modified information

Includes: *Provide Label Usecase*

Extends: *Add Photo Usecase*

Usecase: Delete Album

Actor: Mobile Phone (system) and User

Description: The user can delete an album from the mobile phone

Precondition:

Application must be launched;

The album must exist on the mobile phone,

Trigger: User chooses to delete Album

Scenario:

1. (listing) The albums stored in the mobile phone memory are listed down.
2. (delete) The user selects the option to delete the selected album
3. (delete) Album removed from the mobile phone
4. (update) The list is updated

Extensions:

1a. (null data) There is no album available on the device

1b. (listing) Problem with listing down the albums

3a. (delete) Problem occurs while deleting the album

4a. (update) Problem with updating the modified information

Extends: *Delete Photo Usecase*

Usecase: Provide Label

Actor: Mobile Phone (system) and User

Description: The user provides label for the image or an album

Precondition:

Application must be launched

Trigger: When user has added or copied a image to the album.

Scenario:

1. (label) The users provides a name for a image or an album

Extensions:

1a. (label) The label already exists:

- 1a1. options to either replace the existing image with the new label
- 1a2. save image with another name or save the album with another name

1b. (update) Problem with updating the modified information