

Use case for MobileMedia Application Release 1

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Color Code:

Red: Change in usecases
Blue: New usecase

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MobileMedia Release 1: This release introduces exception handling

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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