Use cases
for the Hedgehog Photo project

Contents

addComment
High

Enables the user to add a comment.

Normal flow

User	System
Clicks the comment textfield	
	Makes it possible for the user to add a comment
Enters a comment	
	Saves the comment to the database

Alternative flow

User	System
Clicks on the comment textfield	
	Makes it possible for the user to modify the comment
Edits the comment	
	Saves the changes to the database

addLocation
High

Normal flow of events

User	System
Clicks the location textfield	
	Makes it possible for the user to enter a location
Enters a location	
	Looks up the location on the internet and displays matching locations
Selects a location	
	Photo becomes associated with the location

addTag
High

Determines which tags an Image is associated with.

Normal flow

User	System
Clicks the tag textfield	
	Makes it possible for the user to add a tag
User enters tag(s) separated by semicolon (;)	
	Saves the tag(s) to the database

User	System
Clicks on the tag textfield	
	Makes it possible for the user to modify the tag
Edits the tag(s)	
	Saves the changes to the database

chooseSelection

High

Determines which images are shown in the view.

Normal flow of events

User	System
User clicks on a tag	
	The view shows all images with the specified tag

Alternate flow

User	System
User searches for a tag	
	The view shows all images with the specified tag

Exceptional flow

User	System
User searches for a tag which does not exist	
	Displays "Tag is not found" or something similar.

importPictures
High

Imports user pictures and albums to the program

Normal flow of event

User	System
Clicks on "Import pictures"	
	Show file dialog
Selects picture(s) and or folder(s)	
	Imports the picture path(s) to the database. Reads comment, tags and geolocation from pictures before storing them in the db.

Search
High

Normal flow of events

User	System
User enters a text to search for	
	Searches for tags, locations and comment associated with the text and displays hits in a popup
Selects the picture that matches best	
	Displays the selected picture

Alternative flow of events:

User	System
User enters a text to search for and presses enter	
	Searches and displays the results in the main veiw

Exceptional flow

User	System
User enters a text to search for	
	Searches for tags, locations and comment associated with the text but finds none. Displays that no pictures were found

userClicksOnTagCloud : Search
High

Displays the most common tags in a "cloud". The tags occurring the most will be shown in greater size and in bold.

Normal flow

User	System
Clicks on a tag	
	Shows the pictures associated with the tags

userClicksOnMap : Search
High

The user clicks on a arrow on the map and the picture(s) from that place will be visible

Normal flow of events

User	System
The user clicks on an arrow on the picture	
	The system shows the pictures from the specific location

Alternative flow of events

User	System
Pans or zooms the map	
	The systems does the specific action.

userClicksOnCalendar : Search
High

The user clicks on the calendar and the system shows the pictures associated with the day(s)

Normal flow

User	System
The user clicks on a date	
	The system shows the pictures from the date

Zoom View
High

How the user changes the zoom view level.

Normal flow of events

User	System
Selects a desired zoom level	
	Zooms the view (pictures and the corresponding components) to reflect the user zoom level

View Photos
High

Shows the images in the view
<Includes>: show/hide tags

Normal flow of events

User	System
User starts the program	
	The view shows multiple images in a scrollable list
User **enables** showing tags, comments	
	The view shows tags and comments

Alternate flow of events

User	System
User searches for multiple images	
	The view shows multiple images in a scrollable list
User **disables** showing tags, comments	
	The view hides tags and comments

View Photo
High

Image is displayed in "full screen", or rather in its regular size (does not scale up images)

Normal flow of events

User	System
User clicks on image.	
	Shows this one image in its regular size, or as big as the window allows it.

Alternative flow of events

User	System
Clicks on next/previous button	
	Shows the next/previous picture

Alternative flow of events

User	System
Clicks on the back button	
	Returns a step backwards (shows the "home" screen)

Exit
High

Saves the current state and exits the application.

Normal flow:

User	System
Clicks on the cross to exit the application.	
	Saves the current state (DB) and shuts down the application.