

## PhotoGallery App

Suppose focus group sessions that were organized to elicit requirements for a mobile app revealed the following needs:

### Epics:

- “As a hobbyist photographer, I would like to tag or caption my smartphone pictures conveniently so that I am able to search them effectively”.
- “As a professional travel blogger, I would additionally like to upload select pictures to my travel blog site where visitors are also able to search pictures based on categories obvious and important to them as travelers”.

### User Stories:

Using the format

As a <User Role> I want/like to <function > so that <benefit>

listed below are the user stories derived from the above epics and written from the perspectives of the user roles:

#### User Story 1

As a <photographer> I want <the pictures that I take using a smartphone to be automatically timestamped and geotagged> so that <I could focus more on photography and less on cataloging>

#### User Story 2

As a <photographer> I would like to <assign a caption for any captured picture> so that <I can later remember why or on what occasion I took this picture>

#### User Story 3

As a <photographer> I would like to <search pictures based on time, location and/or keywords> so that <I could find pictures based on where, when, why or on what occasion>

#### User Story 4

As a <blogger> I <want pictures to be uploaded to my website> so that <it reaches larger audience>

### Acceptance Criteria:

Feature: Take Picture

Scenario: User Story 1

Given I am at the gallery screen of the PhotoGallery app

When I press the button labeled “Snap”

Then I see the view of the android camera app

When I take a picture using the android camera app

Then I go back to the main screen of the PhotoGallery app

And see the picture just taken  
And the current time  
And the current location

Feature: Assign Caption

- Scenario: User Story 2

Given I am at the Gallery screen of the PhotoGallery app  
And I see an editable text view labeled "caption" next to the picture  
When I edit the caption by typing "My Test Caption"  
Then I see the new caption "My Test Caption"  
When I scroll away from the picture  
And scroll back to the picture  
Then I see the new caption "My Test Caption"

Feature: Search Pictures

- Scenario: User Story 3

Given I am at the Gallery screen of the PhotoGallery app  
When I press the filter button  
Then I see the Search screen of the PhotoGallery app  
And I see a field labeled StartDate  
And I see a field EndDate  
When I enter Today as StartDate  
And I enter Today as EndDate  
And I press the button labeled "Search"  
Then I see the gallery screen of the PhotoGallery app  
And I see the pictures that have Today as the creation date

Given I am at the Search screen of the PhotoGallery app  
And I see the field labeled Top Left corner of the search area  
And I see the field labeled Bottom Right corner of the search area  
When I enter current location in the Top Left corner of the search area  
And I enter current location in the Bottom Right corner of the search area  
And I press the button labeled "Search"  
Then I see the gallery screen of the PhotoGallery app  
And I see the pictures that were taken at the current location

Given I am at the Search screen of the PhotoGallery app  
And I see editable text view labeled "keywords"  
When I type characters "My Test Caption"  
And I press the button labeled "Search"  
Then I see the gallery screen of the PhotoGallery app  
And I see the pictures with the Caption "My Test Caption"

Feature: Upload Picture

Scenario: User Story 4

Given I am at the gallery screen of the PhotoGallery app

And the smartphone indicates wireless coverage

And I see the button labeled "Upload"

And the button "Upload" is enabled.

When I press the button "Upload"

Then I see the button change its label first to "Uploading"

And then to "Uploaded"

And become disabled.

When I check my blog

Then I see the picture on my blog.