

## Assignment II

[Part A] Assuming that you have captured the desired functionality of PhotoGallery app as a set of user stories, provide a comprehensive acceptance criteria for some of the high priority user stories so that they are ready for development. The acceptance criteria should be spelled out in user friendly GWT (Given-When-Then) Gherkin style. In case the user stories you wrote are somewhat different from the ones that I suggested in the class, the high priority user stories would be ones that are functionally equivalent to the first 4 (out of the total 5) user stories that I suggested. In other words, the user story that captured the requirement of uploading the photos to the social media sites, could be delayed for a later sprint. [2 marks]

[Part B] Also, sketch out a visual narrative, in the form of wireframes and storyboard, depicting how a user will interact with your app. [2 marks]

### Solution [Part A]:

#### 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  
And a globally unique picture ID

#### 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 Search screen of the PhotoGallery app  
And I see StartDate Calendar view  
And I see EndDate Calendar view  
When I select Today as StartDate

And I select 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 Google Map view to select the Top Left corner of the search area  
And I see Google Map view to select the Bottom Right corner of the search area  
When I select the Top Left corner of the search area that includes the current location  
And I select Bottom Right corner of the search area that includes the current location  
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.

## Solution [Part B]

It is expected that this android application would contain at least the following activities.

Main Activity should be composed of an ImageView with a navigation button on each side to scroll the images left and right. In addition, the activity should have snap, enlarge, filter and settings buttons. A multi-select checkbox list should also exist to view/add tags/keywords for each picture being displayed.

Snap button shall send an intent to the onboard camera app to take a picture, and perhaps also specify additional tags/keywords.

Enlarge button shall display the same picture on a new activity with an image view but enlarged.

Filter button shall present the user with an activity that allows the user to select the pictures to view based on geographical area, time span and/or keywords/tags.

Settings activity shall allow the use to specify the path of the folder where the pictures are stored. In addition it should also allow the user to add to its list of tags or keywords.