



FCISquare

CS352 - Software Engineering II

Phase 3-b Document

2016

ID	Name	Email	Mobile
20130110	Giovanni Nabil Adly	a47_74_4774@aol.com	01117485648
20130115	Khaled Osama	Khaledosama500@gmail.com	01124250836
20130149	Taha Saber Khalil	tahasaber49@gmail.com	01067718302
20130083	Andrew Albert	andrew.albert@live.com	01211885794
20130151	Abd El Rahman Ahmed	Abdelrahman.hammam95@gmail.com	01112207247

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Reviewer Comments

Issue No.	Issue Title	Your Action
1	<i>Search Show user himself as one of the results</i>	Add an if condition to prevent adding user himself to the list
2	<i>'Follow' / 'Unfollow' buttons appear in user's own profile</i>	Buttons removed
3	<i>'Comment' and 'Like' features don't connect to their corresponding services</i>	Connected to their services
4	<i>Users with duplicate emails (signup service)</i>	“email” attribute is now constrained to be unique

Code Bad Smells

Number	Bad smell	Place	Description	Action
1	<i>Bad variable names</i>	UserProfile, Search, placePop, NotificationList, NotificationFragment, NotificationService, CheckIn	Some variable names weren't clear	Renamed these variable
2	<i>Unused variables</i>	UserProfile, NotificationFragment	There exists some unused variable	Deleted
3	<i>Long method</i>	Signup	Method is very long, contains many if-else conditions	Extract into other method "signMeNow"
4	<i>Long method</i>	search	Method is very long due to many details in the connection overriding function	Separate each of user and place searches into separate methods
5	<i>Using magic numbers</i>	PlacePop	A value of 0.8 was used to determine the window size	Magic number was replaced with a final value
6	<i>Long method</i>	ShowPost	Method is so long due to many setters	Extract these setters into a separate method
7	<i>Duplicated code</i>	Login & Signup	A method to check connectivity	The method was moved to a separate

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			was repeated in both	static method in a separate class
8	<i>Long Boolean expression</i>	AddPlace	A check for a state is very long inside an if condition	The Boolean check was extracted to external method
9	<i>Long method</i>	AddPlace	Method too long due to many checks for errors	Errors extracted to external method
10	<i>Long Method</i>	MainActivity	The onCreate method contains so much initialization	Each related part was extracted to external method

Front-End Testing

2.1 - User Component

Number	Testing scenario	Description	Result
2.1.1	Login with valid credentials	This scenario starts with enters a valid user name and password, and press Login button ,the system will be redirected to the home page.	<i>Passed</i>
2.1.2	Login with invalid credentials	This scenario starts with enters an invalid user name and password, the system will show a toast (message) that the user enters a wrong email or password	<i>Passed</i>
2.1.3	Signup With acceptable information	This scenario test the signup service and start with entering the information required to signup (Name , Email , Password,..) the system will add a new user and redirect to Home page	<i>Passed</i>
2.1.4	Signup With non-acceptable information	This Scenario start with enter a combination of invalid values ,ex: invalid email with short password , The system mark the invalid fields and user asked to enter a valid ones	<i>Passed</i>
2.1.5	Signup with previously registered user information	Test with register a new user with already registered , The system shows error message	<i>Passed</i>
2.1.6	View Last Position	The User press view last position and the system view the last coordinates of the	<i>Passed</i>

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		last position for the user	
2.1.7	Follow User	The User Search for user name and system display available users in the system with the name matching , user press follow	<i>Passed</i>
2.1.8	Follow previously followed user	This scenario test if you can follow an already followed user , system shows message for the error	<i>Passed</i>
2.1.9	Unfollow User	User unfollow a followed user by pressing unfollow button	<i>Passed</i>
2.1.10	User History of Actions	This Scenario test the history of actions service , user open history tab , system shows the history for the user	<i>Passed</i>

2.2 - Place Component

Number	Testing scenario	Description	Result
2.2.1	Add Place	This scenario starts with user press add place button the system redirects user to add place page , then user enters place name and description and coordinates of the place (Manually or Automatically)	<i>Passed</i>
2.2.2	Search Place	This Scenario test the search for place function , user enters place name and press search then a list of result places appear	<i>Passed</i>
2.2.3	Save Place	User search for place and press save to add this place to the list of saved places of the user	<i>Failed</i>

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2.3 - Notification Component

Number	Testing scenario	Description	Result
2.3.1	Get Notification	This scenario starts with user accessing the notification tab , the system show the user incoming notification	Failed
2.3.1	Generate Notification	This Scenario is being carried out in the back ground , the user follow , like , or comment on another users post , the system generate a notification and save it in the database	Passed

2.4 – Check-In Component

Number	Testing scenario	Description	Result
2.4.1	Get posts	This Scenario tests the service of retrieve check-in , user open home page after login , system shows a list of check-ins	Passed
2.4.2	Like a Post	User review a check-in post and press like button , system update user information and show the new likes count on the post	Passed
2.4.3	Comment on Post	Scenario where user comment on a post , prerequisite : post already exist on user's home page , user write text document and press comment , system updates post and shows new commnt	Passed

Back-End Testing

SERVICES (*ServicesTestClass*, *ServiceTestInputSets*)

Number	Testing function	Description	Result
1.1.1	<i>testLoginService</i> (String email, String password, String expectedJSON)	Uses different input stream to test different cases against the expected JSON string	<i>Passed (4 out of 4)</i>
1.1.2	<i>testSignUpService</i> (String name, String email, String password)	Test if the user is successfully registered subject to the registration constraints	<i>Passed (3 out of 4)</i>
1.1.3	<i>testFollowService</i> (String srcID, String dstID, String expectedJSON)	Test if user is allowed to follow another user twice or follow him/herself	<i>Passed (3 out of 3)</i>
1.1.4	<i>testSearchService</i> (String query, String filter, String expectedJSON)	Test the search service using different test cases with different search filters and compares with the expected JSON string	<i>Passed (2 out of 2)</i>
1.1.5	<i>testNotificationService</i> (String userID, String expectedJSON)	Test the notification service	<i>Passed (2 out of 2)</i>

Github repository link

