CSCI 3308 – Project Testing - Part 6
Due 04/02/15

Title: ICUEM

Vision: An application for people to actually be able to navigate the Engineering Center without too much hassle/confusion.

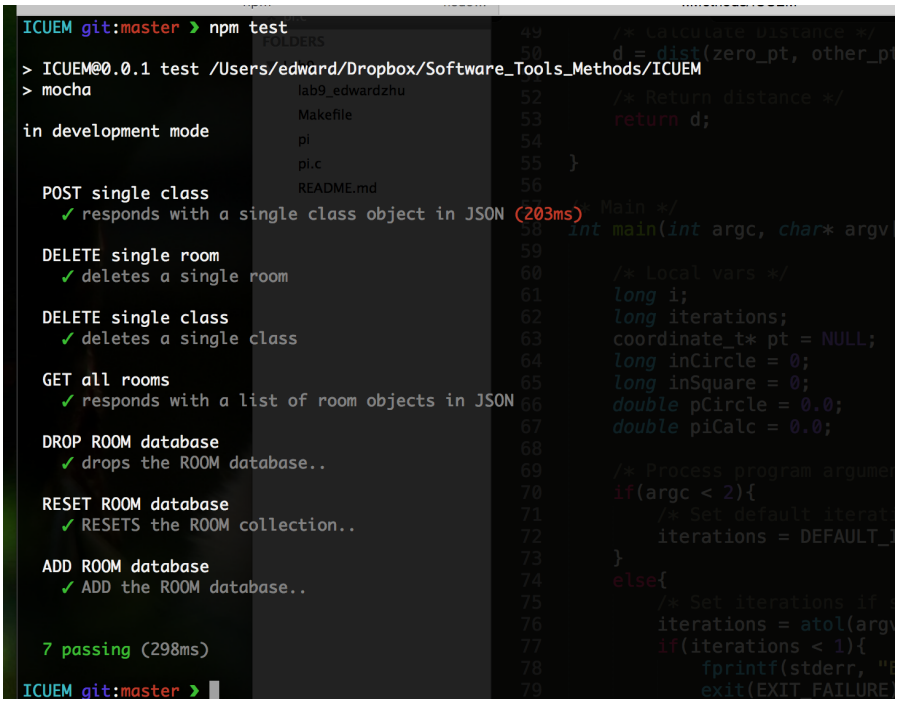
Who: Steven Tang, Edward Zhu, Andrew Arnopoulos, Brian Gaydon

VCS Link: https://github.com/zhued/ICUEM

Automated Unit Tests:
DATABASE
We tested out API calls to MongoLabs with an abundance of node modules. Specific test cases can be found here: https://github.com/zhued/ICUEM/blob/master/test/test.js. It essentially tests for GET and POST calls to our database.
To run the tests:

- Run 'npm install' - which will install all the node modules needed from within the package.json file
- Run 'npm start' - to start the API server up
- Run 'npm test' - this will start the testing through mocha (node module)

Below is a screenshot of the output (all passing) of the tests.



ANDROID

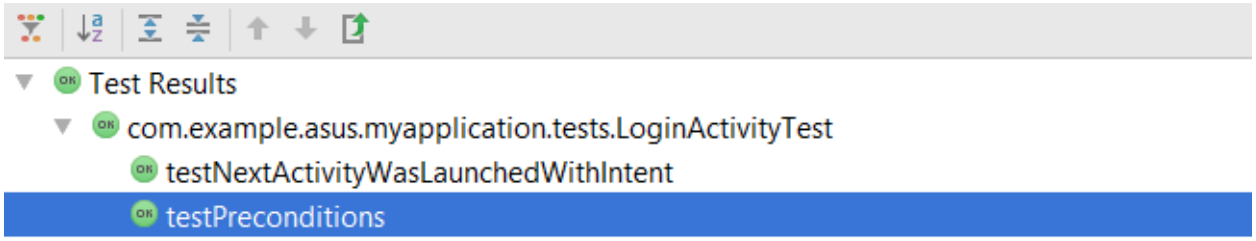
You can find the source code to the automated tests here: https://github.com/zhued/ICUEM/tree/master/android/MyApplication/app/src/androidTest/java/com/example/asus/myapplication/tests

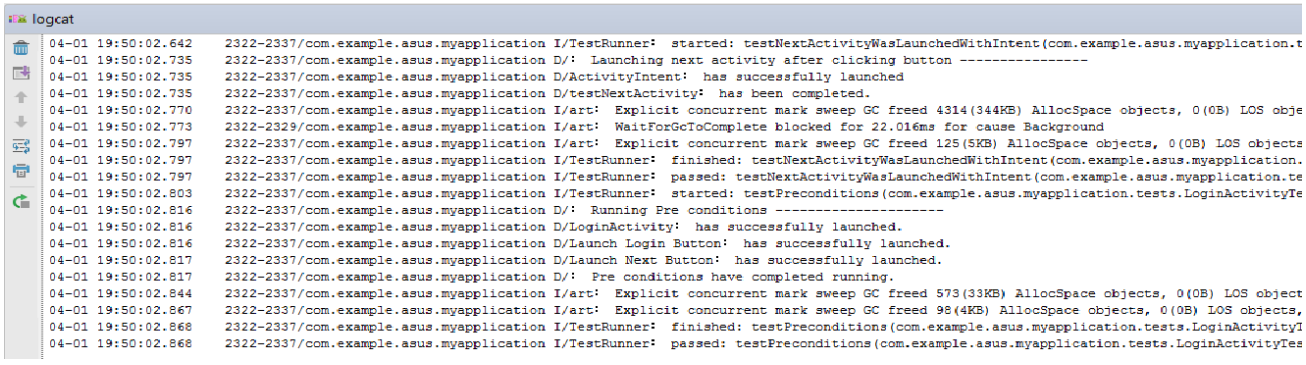
The steps essentially emulate button presses and keyboard inputs to certain features within the app to check if the correct outputs are generated.

To run the tests through Android Studio:

1. Import project
2. Run -> Edit configurations
3. Add new configuration (if not there already) "Android Tests"
4. Make sure these fields are populated:
   Name: LoginActivityTest
   Module: app
   Test: class
   Class: com.example.asus.myapplication.tests.LoginActivityTest
   Before launch: Grade-aware Make
5. Set Log Level to Debug
6. Run and hope for results

Screenshots of the Passing Output:





User Acceptance Test Plans:

Project Name: ICUEM					
Test Case Template					
Test Case ID: android_signup			Test Designed by: Brian Gaydon		
Test Priority: med			Test Designed Date: 4/1/15		
Module Name: Registration			Test Executed By: Annie Kelly		
Test Title: Android Reg UI Test			Test Execution Date: 4/1/15		
Description: Test intuitiveness of log-in page					

Pre-Condition: User wants to create an account					
Dependencies: Connection from registration page to DB					

Step	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	Navigate to login page		Find and Press on App	Pressed on App	Pass
2	Tap ‘Register’				Pass
3	Enter username	akelly	Valid ID	Valid ID	Pass
4	Enter password	qwerty	Valid PW	Valid PW	Pass
5	Tap ‘Create Account’		Account created	Account created	Pass

Project Name: ICUEM					
Test Case Template					
Test Case ID: android_zoom			Test Designed by: Brian Gaydon		
Test Priority: medium			Test Designed Date: 4/1/15		
Module Name: Map			Test Executed By: Andy Kee		
Test Title: Android Map Zoom Test			Test Execution Date: 4/1/15		
Description: test zoom bar from within the floors of the building					

Pre-Condition: User is logged in to account					
Dependencies:					

Step	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	Tap ‘map’		Taps ‘map’	Taps ‘map’	Pass
2	Zoom in		Taps +	Taps +	Pass
3	Zoom out		Taps -	Taps -	Pass

Project Name: ICUEM					
Test Case Template					
Test Case ID: ios_signup			Test Designed by: Brian Gaydon		
Test Priority: high			Test Designed Date: 4/1/15		
Module Name: Registration			Test Executed By: Bobby Pecheco		
Test Title: iOS Reg UI Test			Test Execution Date: 4/1/15		
Description: test intuitiveness of registration page					

Pre-Condition: User wants to create an account					
Dependencies: DB Connection					

Step	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	Navigate to login page		Find and Press on App	Pressed on App	Pass
2	Tap ‘Register’				Pass
3	Enter username	cloburn	Valid ID	Valid ID	Pass
4	Enter password	password	Valid PW	Valid PW	Pass
5	Tap ‘Create Account’		Account created	Account created	Pass

Project Name: ICUEM					
Test Case Template					
Test Case ID: ios_zoom			Test Designed by: Brian Gaydon		
Test Priority: medium			Test Designed Date: 4/1/15		
Module Name: Map			Test Executed By: Nick Dondey		
Test Title: iOS Map Zoom Test			Test Execution Date: 4/1/15		
Description: test iOS zoom on maps and also log out					

Pre-Condition: User is logged in to account					
Dependencies:					

Step	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	Tap ‘map’		Taps ‘map’	Taps ‘map’	Pass
2	Zoom in		Taps +	Taps +	Pass
3	Zoom out		Taps -	Taps -	Pass
4	Log out		Press logout icon	Struggles a little, but finds it quick	Pass

Test Case Template					
Test Case ID: mongo_connection_1			Test Designed by: Edward Zhu		
Test Priority: high			Test Designed Date: 4/1/15		
Module Name: MongoLab Setup			Test Executed By: Alex Campbell		
Test Title: Verify functionality of MongoLab Connection			Test Execution Date: 4/1/15		
Description: Test for POST and GET functionality from our MongoLabs database. If CU were to use our API to post data, this would be important					

Pre-Condition: User knows dev user credentials and API key, and understands our API					
Dependencies:					

Step	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
1	Drop ROOM database		curl http://localhost:3000/room/drop	curl http://localhost:3000/room/drop	Pass
2	Add to ROOM database from file	data_room.json	curl http://localhost:3000/room/add	curl http://localhost:3000/room/add	Pass
3	Reset ROOM database	data_room.json	curl http://localhost:3000/room/reset	curl http://localhost:3000/room/reset	Pass
4	Delete Room 0002 from database		curl -X DELETE http://localhost:3000/room/delete/0002	curl -X DELETE http://localhost:3000/room/delete/0002	Pass