Milestone 5 Unit testing

Zhi Jie Huang
Ha Tran
Karrot Huang
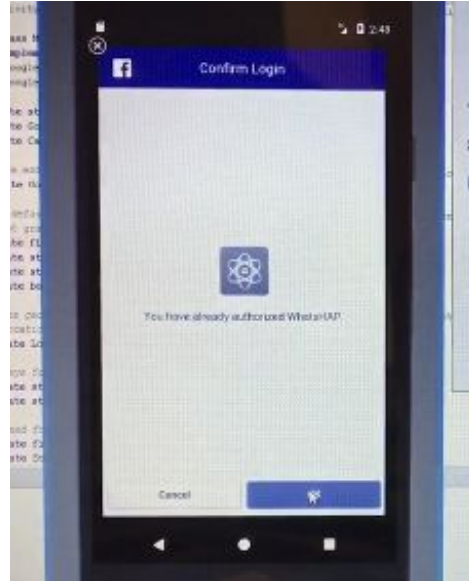Bryan Gonzales
Elijah Fisher

User Acceptance test	
Feature 1:	Login with Facebook: we are going try to log into a few different facebook accounts and make sure our login feature is working properly in our Android Apps.
Feature 2:	Google map location service will update in real time within our apps: we are going to display the current location out on Google Maps map indicated by pin, change our location in the code (by hard-coding various latitudes and longitudes), open our app again and update and display location.
Feature 3:	Loading information into an SQL database: we will be saving chosen events pulled from facebook into our SQL Lite database. We will be using DBUnit to test our database. DBUnit will put our database in a known state and perform assertion against its content. Specifically, using DBUnit, we will import a data set, create a database schema, and then run the test script.
Automated test cases	
Software available for testing	Appium for Android & DBUnit

<u>Feature 1:</u> Using Android Studio testing junit libraries to test our app's Facebook login.	**<u>Output:</u>**
	 ``java
	import junit.framework.TestCase;
	import org.junit.After;
	import org.junit.Before;
	import org.junit.Rule;
	import org.junit.Test;
	import org.junit.rules.TestName;
	import static
	junit.framework.Assert.assertEquals;
	
	import static
	junit.framework.TestCase.assertTrue;
	``

We are going to write down the username and password in the Android studio. And then we are going to autofill our username and password into the facebook login
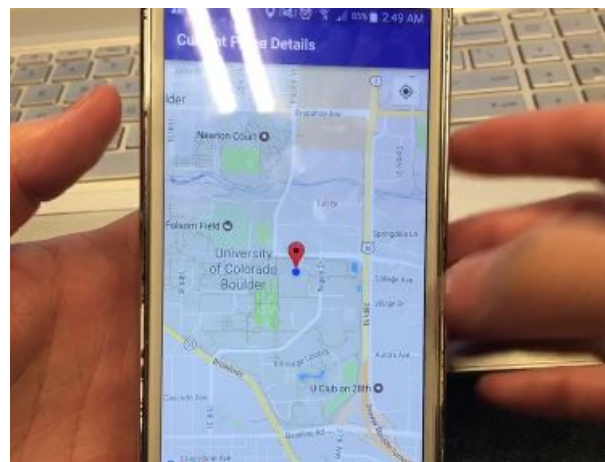

Feature 2: Use Android Studio testing junit libraries to run tests on our google maps current location function.	**Output:**
	
	``java
	import junit.framework.TestCase;
	import org.junit.After;
	import org.junit.Before;
	import org.junit.Rule;
	import org.junit.Test;
	import org.junit.rules.TestName;
	import static
	junit.framework.Assert.assertEquals;
	
	import static
	junit.framework.TestCase.assertTrue;
	``
	
	We are going to display the current location out on Google Maps map indicated by pin, drive for a few miles, open our app again and update and display location.

Feature 3: We created a script with the help	**Output:**

of DBUnit to load in a dataset and run a bunch of assertions.	``` .... ---------------------------------- Ran 7 tests in 0.001s OK ```

Vision:
Connecting and engaging people of the community, in one simple click.