CMPT 275: Software Engineering I: Meeting Minutes		
Group Number: 8		
Team Name: The Great Eight		
Date/Time: 10:30am - 12:15pm		
Location: SFU Library		
Meeting Number: 6		
Attendance		
Member	**Present**	**Reason for absence**
Kevin Jerome	N	Sick
Joseph DIllman	Y	
Hoang Bao Ngan Nguyen	Y	
Wei Da (David) Song	Y	
Huy Thong Bui	Y	
Payam Partow	Y	Got there late

Agenda

Topic: Tools Using

Discussion:

1. The software tool(s) you are using to perform automatic unit testing, and any other kinds of software testing. Do a survey to find out what tools are available. Tell us how you generate and manage your test cases. → follow requirements document, save to a google sheet

XC test (X code unit testing library)
Xcode UI Test
firebase-functions-test and Mocha
Manual testing?

Action taken: Will write according to discussion

Assignee: David Song

Topic: Testing Schedule

Discussion:

2. The internal deadlines your group sets for unit/system testing of the code for release. Naturally, these deadlines must be well enough before the project submission date to give you time to do the testing and fix errors that might arise, but also late enough so that the development group has time to get all the features implemented.

Follow the feature priority document, allow several days before the priority deadline to finish testing

Action taken:

Assignee: Joseph

Agenda

Topic: Test Plan

Discussion:

3. Give the time, date, and location for when user acceptance testing of version 3 of your project (the final version) will be done. If you also want to do user testing for one or both of the earlier versions, then include the time, date, and location for those tests as well.

Also tell us how this testing will be done: what will you be asking the users to do? Describe the testing you plan to do in enough detail so that someone not in your group could run it for you. Follow deadlines, requirements document, and feature priority to ensure continuity
Action taken:
Assignee: Krystal
Topic: Testing Integration
Discussion: 4. Detail what kind of integration testing you expect to do, and how you expect to do it. It's wise to avoid "big bang" integration, where all the models are combined and tested at once. Instead, tell us how you plan to incrementally integrate and test the system. Be clear about how this testing differs from the unit testing you are also doing. Individually test each component when finished (Website, firebase, ios app). Follow the feature list for each component (and feature priority)
Action taken:
Assignee: HuyThong Bui

Agenda
Topic:
Discussion: 5. The software tool(s) you are using to measure the size and complexity of your project. You should be automatically counting various software metrics such as number of files, number of lines of codes, number of classes, etc. In addition to providing the raw measurement values, graph this measurement data (e.g. as line-graphs using an Excel spreadsheet) for each version of your project. Clearly label your data and graphs so that someone unfamiliar with the details of your project can understand what it is about without having to look at anything other than the graph itself. XC test - complexity of unit tests CodeMetrics - VScode plugin for code complexity

Github - Some code statistics (files, languages, lines, etc…)
Any other online tool you can find

We have decided to mainly use Swift code metrics which is a package that analyses our source code for synthetic metrics and Modules coupling.

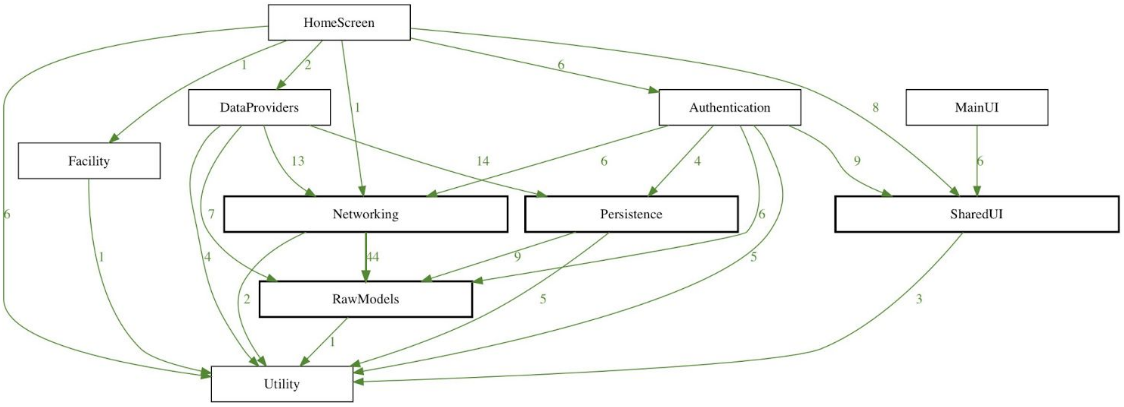
Synthetics metrics contain parameters such as :

- LOC (Lines Of Code)
- NOC (Numbers Of Comments)
- POC (Percentage Of Comments)
- NOM (Number of Methods)
- Number of concretes (Number of classes and structs)
- NOT (Number Of Tests)
- NOI (Number Of Imports)

These parameters can aid us in understanding the distribution of the code inside the project and predict the rate of growth of our project over time.

Modules Coupling measures the degree of coupling across all imported libraries.

It does this by producing a Dependencies graph where it computes the number of import calls from each folder identifying a framework that helps us understand the general level of coupling.



The size of each box is relative to the size of its framework and the numbers show the numbers of imports of that module from the caller.

Action taken:

Assignee: Payam

Topic:

Discussion:

6. List everything else you are doing to ensure the quality of your project. Give specific times and dates whenever possible.

Weekly meetings, personal project reports
Communication with Herbert if necessary
Test multiple ios devices, test multiple browsers
Code review

Action taken:

Assignee: Joseph