

Diary

Name: Michael Wilgus Student ID: 29206388

Team PJ-B

10 January 2019

Iteration 1

Date: 16 January 2019

Start Time: 9:30pm

End Time: 11:00pm

Who: Benjamin Thérain, Ashesh Patel, Christophe Savard, Michael Wilgus, Saad Patel, Daniel Thibault-Shea, Mottel Zirkind, Rezza Zairan, Shereece Victor, Steven Zanga

Where: Hall-903 (Lab)

Activities: Met the team, we all introduced ourselves. We had quick discussions about what each of us already know in terms of tools and concepts related to the project. We split into sub teams and I am responsible for QA along with Ashesh. We are tasked with making ourselves familiar with JUnit.

Outcomes: The team as a whole have clear ideas of what they are going to be responsible to study and ultimately do. We've agreed to communicate using Discord so we will be able to quickly reach each other if and when it's necessary.

Date: 20 January 2019

Start Time: 5:00pm

End Time: 8:00pm

Who: Michael Wilgus

Where: Home

Activities: I've begun to look into unit testing and JUnit in particular. I looked at the link posted on the course website. It seems to be a good resource about the basics but it jumps right into actual testing examples very fast. I need to clarify with the team whether we are using JUnit 4 or 5 because there seems to be incompatible differences between the interfaces provided by the two versions. I need to look more into the concept of a test suite. It seems like an interesting idea to group related but separate tests. Additionally I've set up the software that we've all agreed to use.

Outcomes: I have a good initial understanding of what a unit test actually is. I can see that the goal is to be able to test small related pieces of code separately. Any time some tested code relies on some code not being tested the latter should be mocked in some way so as to not compromise the ecology of the test. My environment is prepared to work on

the project.

Date: 23 January 2019

Start Time: 9:30pm

End Time: 11:00pm

Who: Benjamin Thérain, Ashesh Patel, Christophe Savard, Michael Wilgus, Daniel Thibault-Shea, Mottel Zirkind, Rezza Zairan, Shereece Victor, Steven Zanga

Where: Capstone room (H961)

Activities: Some members joined the meeting over Discord by voice. We mostly discussed MVC and other design patterns that we need to implement. We seemed to come to a consensus regarding what these concepts entail. I mentioned that I had been familiarizing myself with JUnit and going forward that is still my task.

Outcomes: The project seems to be taking shape conceptually however we still have yet to implement anything. I think we should also focus on modeling because it will aid in design.

Date: 24 January 2019

Start Time: 11:30am

End Time: 12:00pm

Who: Michael Wilgus

Where: Concordia Webster Library

Activities: Wrote a JUnit test for a simple test application. It basically tests if a classes getters and setters work properly. Reading through the JUnit link on the courses website this is typically unnecessary practise because it is essentially testing the correctness of the JVM.

Outcomes: Can successfully implement a JUnit test.

Date: 29 January 2019

Start Time: 9:00am

End Time: 12:00am

Who: Michael Wilgus, Christophe Savard, Mottel Zirkind

Where: Discord Meeting

Activities: Discussed progress of the project. It was indicated that there was a sufficient amount of code to start running tests. There was a brief discussion regarding what branch of the Git repository to test from and what exactly could be tested. We agreed that the database connection and query logic was a good place to start.

Outcomes: I began to work on the tests that we agreed upon.

Date: 30 January 2019

Start Time: 11:30am

End Time: 12:00pm

Who: Michael Wilgus, Christophe Savard, Steven Zanga

Where: Discord Meeting

Activities: I wrote a test to see if the 'DatabaseHelper.getWords()' method worked correctly. Upon running the test I noticed that it failed even though the logic seemed correct upon inspection. Digging deeper I found that this method returns all the words in the database which was not my initial understanding of what it did or should be doing. Steven pointed out to me that this was by design.

Outcomes: I rewrote the test to reflect the intended nature of the method. This version passes.

Date: 30 January 2019

Start Time: 9:30pm

End Time: 11:00pm

Who: Benjamin Théréin, Ashesh Patel, Christophe Savard, Michael Wilgus, Daniel Thibault-Shea, Mottel Zirkind, Rezza Zairan, Shereece Victor, Steven Zanga

Where: Hall-903 (Lab)

Activities: We had our initial demo with the TA. He clarified where we needed to focus our attentions and where we are spending too much time. I'm starting to understand that the use cases should be a guide for our unit tests. However, much of the logic required to build tests around the use cases is not implemented yet.

Outcomes: I have a greater clarity regarding how to choose what to test and how to test it.