# Pre Sprint

## First Client Sit-Down Meeting

Overall aim for the project

* Profit
  + System makes monies from stock market
  + Build a system to connect to a stock market database
    - Buy/sell shares for max profit on that system

What features would you like to be implemented first?

* No preference on what *features* first
* Features that must happen by the end
  + Buy and sell shares manually
  + Automated feature to buy and sell most profitable shares (i.e. for next 24 hours)
  + Must be an interface of some kind (GUI or CMD)

Before the end product, would you want to see any/all iterations?

* Yes, every week
* Checking that we meet targets
  + Connect to test server
  + Buy and sell from test server
  + Can make profit

What is the products due date?

* Assignment Deadline

Are there any security features (safety) required?

* Don’t want to end up losing money
  + Makes sure it doesn’t make bad decisions.

What sort of feedback from the system would you like?

* Tell me what shares its bought and sold (timestamps, logs etc)
* Prediction feature.

How often would you like the system to feedback to you?

* At the end, when it’s finished.

Test server notes:

* 100 different companies
* Client has no morals
* Live 0900am on Monday 26th

## Requirements

* By the end, the program must have an interface and be able to handle manual buying & selling stocks from the test server and have an automated buying & selling system too
* Must also feedback what has been bought and sold at the end of the session
* Potential to add a predicted outcome feature
* No preference on which features to be implemented first but must be able to connect to test server by next week
* Profit is the most important
* Iterations once per week until assignment deadline
* Automated buying and selling must NOT lose money

# Sprint 1 – 23/10/2015 – 30/10/2015

## Sprint Planning

### User Stories

Create Socket: Program connects to the Stock Market server and is able to send commands and read replies from the server. – Priority: Need – Time: 2 hours

Testing Socket Code: Test the Program to make sure it is free from exceptions and is fully useable so development of the system can continue. – Priority: Should – Time: 1 hours

Create Sprint Documentation: Create the documentation for the sprint. – Priority: Should – Time: 2 hours

UI Design: Design the user interface for the system. – Priority: Could – Time: 1 hours

### Tasks

* Create Socket
  + Create socket code to connect to server.
  + Create socket code to clean exit from server.
  + Create socket code to receive code to receive from server.
* Testing Socket Code
  + Write test cases for testing socket.
  + Test the code using test cases.
* Create Socket Code
  + Verb-noun Analysis.
  + Domain Analysis.
  + Conceptual Classes.
* UI Design
  + Design Paper Prototype.

### Roles

|  |  |  |
| --- | --- | --- |
| Member | Role | Tasks Assigned |
| Tom | Scrum Master | Manage team. |
| Jacob | Programming | Create socket code to connect to server. |
| Mitchell | Programming | Create socket code to clean exit from server. |
| Scott | Programming | Create socket code to receive code to receive from server. |
| Rob | UI Design | Write test cases for testing socket.  Test the code using test cases. |
| Rebeka | Documentation | Verb-noun Analysis.  Domain Analysis.  Conceptual Classes |
| Adam | Testing | Design Paper Prototype. |

## Stand Up Meeting

### What do you plan to complete by next meeting?

Jacob – “To establish a connection to the server.”

Mitchell – “To be able to send commands to the server.”

Scott – “To be able to receive replies from the server.”

Rob – “To design an interface for the system.”

Rebeka – “To document the code using UML and to complete the Log.”

Adam – “To write a test plan and then test according to the test plan once code is completed.”

### What is getting in your way?

Jacob – “Lack of knowledge on Sockets within Java.”

Mitchell – “Having to adjust to Java Development and not having much knowledge of networking.”

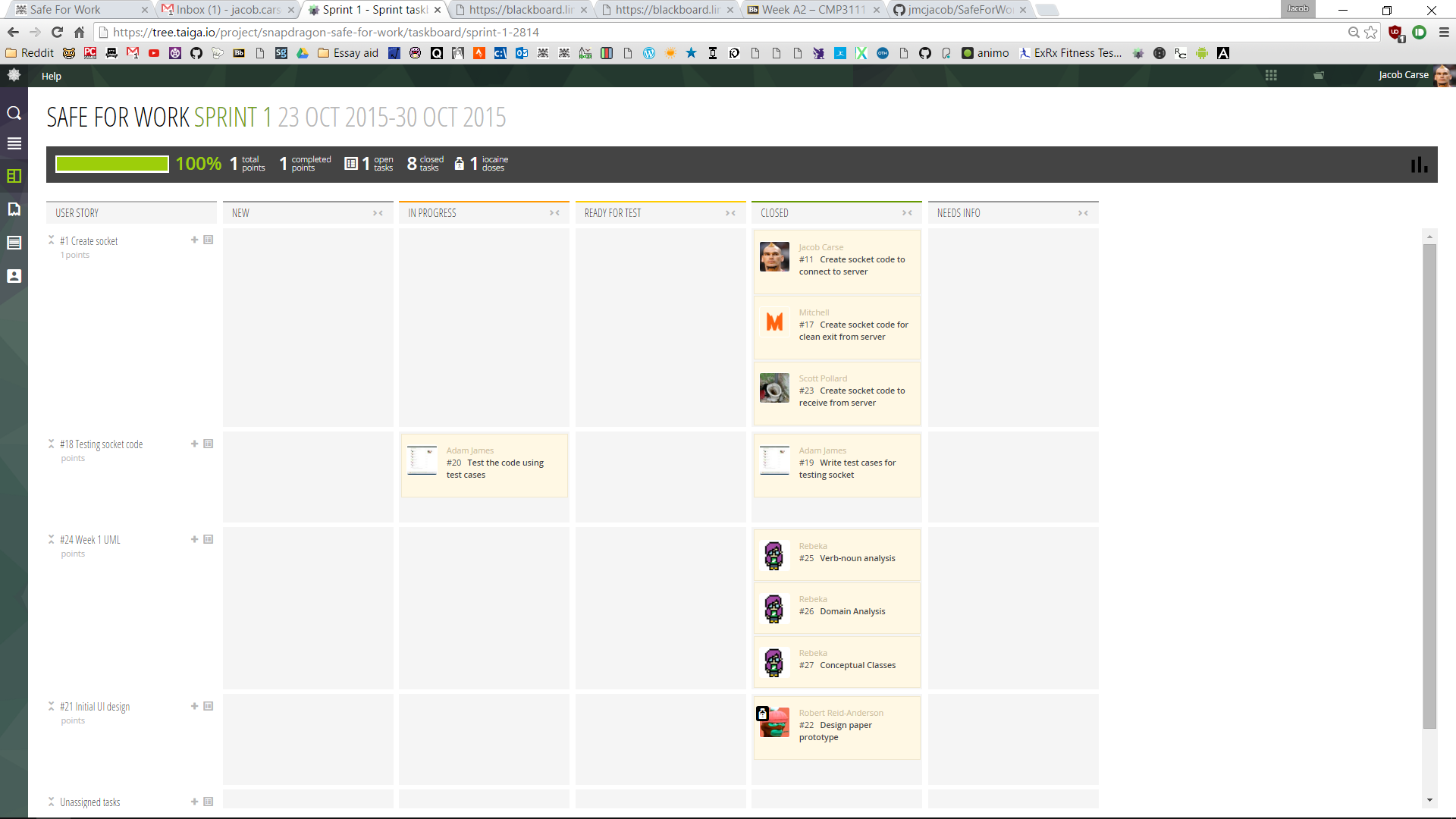
Scott – “No knowledge of Java.”

Rob – “Doesn’t know how an implementation in Java will be limited to.”

Rebeka – “Determining the best way to approach the design of the system.”

Adam – “Having to develop a test plan for a developing system.”

## Ending Task Board



## Pair Programming Logs

|  |  |
| --- | --- |
| Person 1 | Jacob Carse (80% Driver) |
| Person 2 | Mitchell Bellamy (20% Driver) |
| Date | 30/10/2015 |
| Length | 2 Hours |
| Tasks | Create socket code to connect to server.  Create socket code to clean exit from server.  Create socket code to receive code to receive from server. |
| Code | https://github.com/jmcjacob/SafeForWork/commit/8bf81c311c833bee86d272a4acbe062492ff749e |

## Log

# Sprint 2 – 30/10/2015 – 6/11/2015

## Sprint Planning

### User Stories

Thread System: To add asynchronous processing to the receive and send classes. – Priority: Should – Time: 2 hours

Testing System: Test the Program to make sure it is free from exceptions and is fully useable so development of the system can continue. – Priority: Should – Time: 1 hours

Create Sprint Documentation: Create the documentation for the sprint. – Priority: Should – Time: 2 hours

Investigate UI Implementation: Investigate how a UI would be implemented in Java. – Priority: Could – Time: 1 hours

### Tasks

* Thread System
  + Add Threading to the Server.
* Testing Socket Code
  + Write Test Plan.
  + Test According to Plan.
* Produce Sprint Documents
  + Produce UML for the System.
* UI Design
  + Investigate GUI in Java development.

### Roles

|  |  |  |
| --- | --- | --- |
| Member | Role | Tasks Assigned |
| Jacob | Scrum Master | Manage team. |
| Rebeka | Programming | Add Threading to the Server. |
| Tom | Programming | Add Threading to the Server. |
| Mitchell | Testing | Write Test Plan.  Test According to Plan. |
| Rob | UI Research | Investigate GUI in Java development. |
| Scott | Documentation | Produce UML for the System. |
| Adam | UI Research | Investigate GUI in Java development. |

## Stand Up Meeting

### What have you completed since the last meeting?

Jacob – “Establish a connection to the server with the ability to read and write.”

Mitchell – “The system can now connect to the server and communicate using two classes for reading and writing.”

Scott – “The program reads the replies and then can exit without any errors in the system.”

Rob – “A paper prototype of the designed user interface was created.”

Rebeka – “Fully documented the current iteration of the system.”

Adam – “Testing plan were written but the testing wasn’t able to be carried out due to errors download the system.”

### What do you plan to complete by next meeting?

Tom – “To implement the reading and writing classes within threads.”

Mitchell – “To produce a testing plan that will cover the whole system and to then carry out the testing.”

Scott – “To write the UML based on the system to give people insight on how the system works.”

Rob – “To instigate how to develop a user interface within a java development so the design can be implemented.”

Rebeka – “To make the sending and receiving work in a different thread to the main program.”

Adam – “To research how to make a GUI in java that can work with the system.”

### What is getting in your way?

Tom – “No experience with Java development.”

Mitchell – “The program needs to be finished for the testing to begin.”

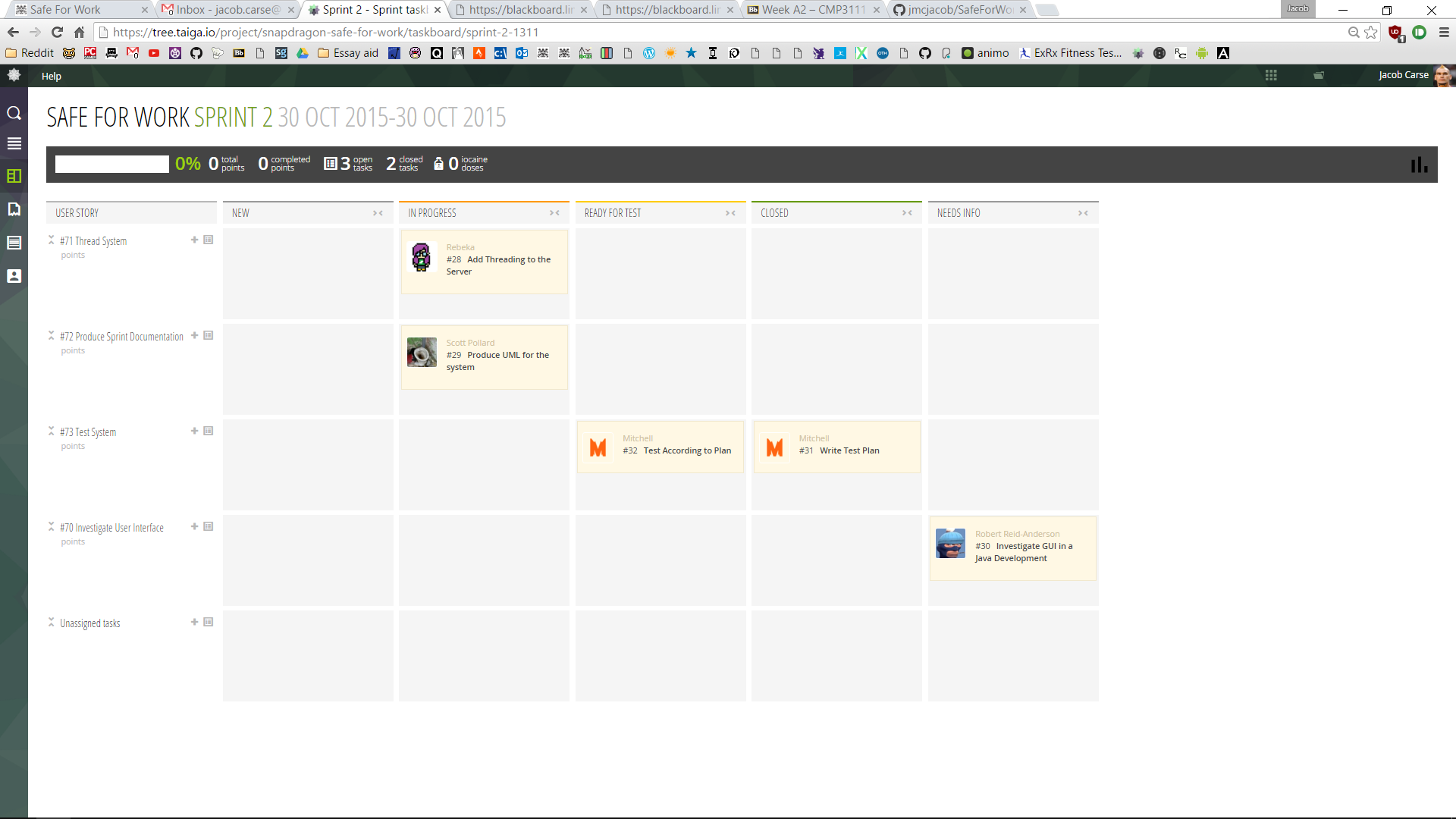
Scott – “I need to understand the system before the UML can be completed.”

Rob – “I need to understand how user interfaces work in order to figure out how to implement a java one.”

Rebeka – “No knowledge of how threading works or how it is implemented within Java.”

Adam – “Never done Java before.”

## Ending Task Board



## Pair Programming Logs

|  |  |
| --- | --- |
| Person 1 | Rebeka Lewis (100% Driver) |
| Person 2 | Tom Rowell (100% Navigator) |
| Date | 6/11/2015 |
| Length | 2 Hours |
| Tasks | Add Threading to the Server. |
| Code | https://github.com/jmcjacob/SafeForWork/commit/d035ae1a3a26654340453f2d6c70326ed303a518 |

## Log

# Sprint 3 – 30/10/2015 – 6/11/2015

## Sprint Planning

### User Stories

Create new UML: Rewrite UML to fit the new design pattern. – Priority: C – Time: 1 hours

Make code Register: Make the program run the register command on the server. – Priority: Need – Time: 2 hours

Implement Facade Pattern: Create the documentation for the sprint. – Priority: Should – Time: 4 hours

Test new functionality: Test the new functions that have been implemented into the system. – Priority: Should – Time 2 hours

Investigate GUI Implementation: Investigate how a GUI is implemented in Java. – Priority: Could – Time: 1 hours

### Tasks

* Create new UML.
  + Create UML for Façade.
* Make code Register
  + Revise Code for reading and writing
  + Implement REGI
* Implement Façade
  + Add the Façade
* Test new Functionality
  + Write Test Cases for Façade
  + Test Façade
* Investigate GUI
  + Investigate GUI Implementation

### Roles

|  |  |  |
| --- | --- | --- |
| Member | Role | Tasks Assigned |
| Rebeka | Scrum Master | Manage team. |
| Jacob | Programming | Add the Façade |
| Tom | UI Research | Investigate GUI Implementation. |
| Mitchell | Programming | Revise Code for reading and writing  Implement REGI |
| Rob | Testing | Write Test Cases for Façade  Test Façade |
| Scott | Documentation | Create UML for Façade. |
| Adam | UI Research | Investigate GUI Implementation. |

## Stand Up Meeting

### What have you completed since the last meeting?

Tom – “

Mitchell – “

Scott – “

Rob – “

Rebeka – “

Adam – “

### What do you plan to complete by next meeting?

Tom – “

Mitchell – “

Scott – “

Rob – “

Rebeka – “

Adam – “

### What is getting in your way?

Tom – “No experience with Java development.”

Mitchell – “The program needs to be finished for the testing to begin.”

Scott – “I need to understand the system before the UML can be completed.”

Rob – “I need to understand how user interfaces work in order to figure out how to implement a java one.”

Rebeka – “No knowledge of how threading works or how it is implemented within Java.”

Adam – “Never done Java before.”