**Group Meeting Minutes**

**02/03/2017, 100% Attendance**

* Brainstormed on ideas for the project.
* Discussed the overall design of the project.
* Began the Functional Specifications document.
* Set up future times of availability for team meetings.

Goal for next meeting: Complete the Functional Specifications document.

**02/06/2017, 100% Attendance**

* Completed the Functional Specifications document.
* Read and discussed the group project requirements.
* Discussed the project specifications.
* Created a Google Drive shared folder to hold project documents.
* Created a meeting minutes document.

Goal for next meeting: Begin to form ideas about what classes are needed.

**02/13/2017, 100% Attendance**

* Signed up for free Moqup account (for GUI design).
* Conceptualized the different classes needed for the project.
* Discussed how the business logic would work with the classes we came up with.

Goal for next meeting: Start fleshing out some of the diagrams needed to describe class behaviors.

**02/15/2017, 100% Attendance**

* Set-up CRC cards in a powerpoint drive.
* Established a Github location.
* Established a Lucid Chart account to share diagrams.
* Consolidated a few classes and expanded a few classes in order to simplify the business logic.

Goal for next meeting: Prepare most of the documents required for the Phase 1 presentation.

**02/24/2017, 100% Attendance**

* Goodbye Aaron.
* Expanded UML Class diagram.
* Reviewed basic methods and attributes for presentation.
* Decided upon what states should be used.
* Created a Use Case document, and began to populate it with major use cases.
* Gave class writing responsibilities out (Nate handles Stock Fetch/Organization, Raymond handles User System, and Shawn handles the GUI).
* Reviewed what diagrams are needed before this coming tuesday.

Goal for next meeting: Finalize all documents required for the Phase 1 presentation.

**03/03/2017, 100% Attendance**

* Finished writing all major use cases.
* Made the state diagram.
* Began to make the major sequence diagrams.

Goal for next meeting: Have presentation prepared for Phase 1.

**03/08/2017, 100% Attendance**

* Created PowerPoint for for Phase 1 presentation.
* Discussed data update process for stock trader (reviewed each person’s progress).

Goal for next meeting: Begin writing out methods for classes.

**03/20/2017, 100% Attendance**

* Discussed method by which to collect stock data from Yahoo Finance (using YQL).
* Discussed workings of Model in regards to stock data.
* Edited the class diagram to reflect changes in class structure.

Goal for next meeting: Come up with GUI designs and how to implement them.

**03/31/2017, 100% Attendance**

* Demoed GUI designs.
* Discussed plans for Model, View, Controller interaction.
* Discussed interaction between user class and Stock information.
* Joined the Yahoo Developer Network to get OAuth key and secret.

Goal for next meeting: Keep working on classes and learn more about OAuth.

**04/07/2017, 100% Attendance**

* Reviewed progress in writing classes.
* Discussed how Open Authorization works in a RESTful call.
* Found places in classes to implement design patterns.

Goal for next meeting: Begin to finalize the project.

**04/10/2017, 100% Attendance**

* Discussed finalization of project.
* Refined project scope (removed optional components of design).
* Determined Input/output method.
* Discussed data format and display in View.
* Discussed logout function (this will be implemented if we have time).

Goal for next meeting: Find a way to implement OAuth in the stock fetch method (YDN has deleted all of their pages describing how to implement OAuth 1.0 with their utilities).

**04/13/17, 100% Attendance**

* Discussed method of getting data from Yahoo (don’t have to use OAuth, but are limited to 2,000 calls/hour).
* Understood why Yahoo! has been overtaken by Google; Yahoo! has removed almost all of their documentation on how they implement Open Authorization 1.0 (which is still being used by YQL).
* Reworked class diagrams.
* Planned for finishing the project.
* Refined data format for stock quotes.
* Designed an Order system for pending Buys/Sales.
* Updated GUI with relevant changes.
* Most class methods (for everyone), while still messy, are working.

Goal for next meeting: Finalize classes and integrate code.

**04/14/2017, 100% Attendance**

* Reworked the User class designs.
* Shared code (fixed everyone’s code so that it works together).
* Refined and expanded upon class diagrams.
* Improved GUI design.
* Discussed input/output functionality.

Goal for next meeting: Clean up code style (and functionality), and try to implement as much as we can (Aaron made that a bit more difficult).

**04/19/2017, 100% Attendance**

* Combined all files into a project.
* Finished making all documentation (javadoc and diagrams).
* Practiced the demo.
* Cleaned the code and made it Javadoc ready.

**04/21/2017, 100% Attendance**

* Integrated and tested all code.
* Compiled report and materials to submit