Sprint 1 Scrum Report

1. Prologue
   1. Ruse Cruise: *Pack your bags!*
   2. Members: Matt Bernero, Caroline Cox, Caitlin Croke, Damien Mi
   3. Project Title: Ruse Cruise Stocks
2. Sprint I report:
   1. Project Overview
      1. Scrum Master: Caroline Cox
      2. Product Owner: Caitlin Croke
      3. Team members: Matt Bernero, Caitlin Croke, Caroline Cox, Damien Mi
      4. Estimate of time worked in total: 15 hours
   2. Product Overview
      1. All necessary and anticipated planning has been completed, including the structure of the API and User Interface (UI). Moving beyond planning, the basic API calls have been implemented and the UI has been started. Currently, this includes only the login screen with minimal functionality to type and press buttons.
      2. User stories addressed:
3. As a developer, I want to use an API to get the stock data, so that my team and I can more effectively use these resources to focus on the design aspects of our application.
4. Story Points: 8
5. Design: Calling JSON through a URL to parse into the result needed by the function. Each use of the API is performed with its own function and JSON parse. Currently some functions are not running as efficiently as initially intended. This is not a pressing issue but should be addressed in a future sprint, if time allows.
6. Implementer: Caroline Cox
7. As a user, I want to have my portfolio password protected, so that I can ensure my financial security.
8. Story Points: 8
9. Design: Using a JPasswordField and comparing input to a password variable.
10. Implementation Details: The program opens to a login screen that prompts the user to enter the password. If the password is incorrect, a dialog box appears indicating the password attempt was incorrect and the entry is cleared from the field. If the password is correct, the entry is cleared and the panel shifts to the home screen of the stock ticker.
11. Implementer: Caitlin Croke
    1. Integration Testing
       1. Integration between screens in the UI was done, currently with two screens switching between one another via buttons. Testing the switching between panels in the card layout was tested via using the buttons for their anticipated use and using the buttons when it should not work (such as if the password is not there or incorrect). Both cases performed as anticipated and no other edge cases exist for testing.
       2. No other major integration testing has been needed at this point since the API is currently not being used with the UI. This will be a task that will be important in the future sprints.
    2. State of the Quality of the Product
       1. Currently, the product is secure to the point that we were hoping for, and the base layout for the User Interface is detailed, with parts of it created in various stages of development. It is not a usable product for the purpose that it will eventually fulfil, but it is a working piece of software that behaves as expected for this point in time.
    3. Scrum I Retrospective:
       1. Overall, this sprint was satisfactory for the planning and initial development of the product. In future sprints, more workload can be assigned so all team members can have meaningful work to accomplish. Communication was good and allowed for the work that was completed to be completed well and with input from other team members. It will also be important that everyone on the team is familiar with all parts of the system so that there is not a limit to what certain people can work on due to lack of knowledge of certain aspects.
       2. Individual Perspectives
          1. Scrum Master’s Perspective: The team started off very well in planning and agreeing on the overall structure and design of the product. A large part of the sprint was spent setting up development environments and learning how to use GitHub, Eclipse, and Maven to automate the development process. Once this was completed, the team was able to complete necessary API functionality and start work on the UI. Total effort expended: 15 hours. Moving forward, more work needs to be done to put the UI in a position that it can be easily altered and all screens are available to be worked on.
          2. Product Owner’s Perspective: The design that was agreed upon by the team has a simple approach that encompasses all of the desired specifications put forward at the start of the project. Setting up took longer than expected and the third goal of displaying a graph of historical data was not reached. The UI that has been implemented so far is functional and will serve as an adequate foundation for future work.
          3. Matt Bernero’s Perspective: Much of my involvement in this sprint was based around the initial planning and design of the GUIs, as well as the initial programming for the password screen. To be truthful, I feel that I did not make much of an impact. I had no real assigned task to do during the sprint; while I have been working on odds and ends throughout, I do not have any visible accomplishments to claim and present as my own. This problem could be attributed to being too conservative with our time, and therefore not having a lot of tasks to work on. However, I believe it is for the best that we approached this project cautiously, rather than inundating ourselves with work that we could not hope to complete all in one sprint. For the next sprint, the team can hopefully use what we have learned about the Agile Process to more evenly distribute the workload.
          4. Caroline Cox’s Perspective: The first sprint has set the team up to efficiently and effectively continue working on the UI in future sprints. My contribution was creating the API class and coding all of the API functions to their current state, which is a large step to completing this project as a whole. I was also able to work on fixing a bug where an image we were showing would only appear if it was stored on the local machine.
          5. Caitlin Croke’s Perspective: The first sprint set up the overall design for the project and we got the API up and running and a basic UI. I set up the login screen and got the password field to check the user input and accept the correct password. Once the correct password is enter, the login screen changes to show the home screen that will be developed in future sprints.
          6. Damien Mi’s Perspective: The first sprint for our team is get a brief idea of the whole project and get a simple UI that everyone can see what it looks like. I was working on the home screen to create the research button. I am still reading something about how to get the key words and research it from the API database.
       3. Preparations for Sprint 2
          1. Scrum Master: Matt Bernero
          2. Product Owner: Damien Mi
          3. Goals:
       4. Display historical data on a graph (8 story points)
       5. Searching for stocks to add them to portfolio (16 story points)
       6. Visual indicators of stocks on home screen (2 story points)
       7. Keeping the data updated through the API (2 story points)
       8. Signatures: *MRB, CC, CC, DM*

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_