

## **SCRUM Meeting Updates - 7/1/19 (with TA)**

### **Email TA to add him to Git repo**

- Restricting to student user populations - .edu email authentication
- Tutorial for new users
- Displaying stocks versus searching stocks
- Pulling real-time stock data; repopulating database
- Search/filter
- Leave things up to extension
- Refine high level goals → basically understand what product is and why to use it
  - Don't include things like account creation
- Prototyping and mock-ups to figure out development process
- Sprint 1 → application to log in, make an account, profile, dummy stocks, and search bar

### **Release Plan**

*Product Name:* CrowdVest

*Team Name:* UCSC StockApp Group

*Release Name:* Command Line Prototype

*Release Date:* July 8

*Revision Number:* Product Launch

*Revision Date:* July 15

### **High Level Goals:**

- Create a dashboard that is user friendly and can easily navigate stock groups
- Create stock groups that could be joined by new members
- View all possible stocks on one page and be able to search up specific companies or NYSE symbols
- Enter an amount of money to invest in the stock
- Buy a stock with a maximum price the user is willing to spend
- Randomly group users who have selected the same stock, ensuring that the total sum is less than or equal to the stock value
- Once a stock reaches enough capital from “crowdfunding”, actually buy the stock
- Prototype testing on peers/potential users

### **User Stories for Release:**

- As an interested investor, I want to de-risk my investments so I don't stand to lose as much when I buy stocks.
- As someone without much capital, I want to share my stock investments in large stocks so that I don't have to buy a whole stock.
- As someone who wants access to stock market investing, I want to be able to pick stocks from the NYSE so I can diversify my investment portfolio.

- As an investor, I want to be able to understand my investment history so I can figure out what to invest in next.
- As someone without much experience investing in stocks, I want to know which stocks are best to invest in so I know where to put my money.
- As a user, I want to be able to go onto an investment website and see a variety of stocks to invest in
- As a user, I want to be able to create an account on an investment website so that I can have the ability and authorization to buy/sell stocks
- As a user, I want to be able to log-in to my account so that I can see stocks that I own and be able to trade any stocks I might be interested in
- As a user, I want to be able to click on a stock I'm interested in from the list of stocks so that I can see the price of a stock over periods of time and to be able to buy the stock
- As a user, I want to be able to have the option to buy a stock with a maximum amount of money that I'm willing to spend so that I can have partial ownership in a stock
- As a user, I want to be able to see my portfolio so that I can see which stocks I have partial ownership in

#### Story Rank:

**M: Must Have**

**S: Should Have**

**C: Could Have**

**W: Won't Have**

## Sprint 1

### **M: Must Have**

- As a user, I want to be able to create an account and/or login so that I can access any stocks I have partial ownership in
- As a user, I want to be able to see and search through a variety of stocks to invest in so that I can pick a stock to buy
- As a user, I want to be able to buy a stock and specify the maximum price I'm willing to spend so that I can gain partial ownership in a stock

### **S: Should Have**

- As a user, I want to be able to specify the sell framework in advance and have multiple options around this. For example, I might only want to sell if everyone agrees to sell. In contrast I might want the option to sell regardless of the other users. This creates more options for me as long as everyone who owns the stock can agree about this in advance.
- I want a web framework that allows me to access the application from a website

### C: Could Have

- As an investor, I want to be able to understand my investment history so I can figure out what to invest in next.
- As an Investor without much experience investing in stocks, I want to know which stocks are best to invest in so I know where to put my money.
- As an Investor, I want a mobile application framework to view and access my investments.

### W: Won't Have

## Sprint 2

### M: Must Have

- As a developer, I want to be able to trigger the “buying” of a stock so that the grouped up users would have ownership of a stock
- As a developer, I want to be able to calculate the percentage of ownership and price that a user has within a stock so that they can see how much their portion of a stock is worth
- As a user, I want the ability to vote about the decision making framework the group will use in making a decision to sell the stock
- As a developer, I want to trigger the “selling” of a stock when the voting of a group reaches majority rule so that users would be paid their ownership of a stock based on the price and percentage

### S: Should Have

### C: Could Have

### W: Won't Have

## Sprint 3

### M: Must Have

- As a developer, I want to improve UI/UX so that users can efficiently navigate through the website and easily buy stocks

- As a user, I want to be able to view my investment history so I can understand my previous investment habits.

**S: Should Have**

**C: Could Have**

**W: Won't Have**

#### **Product Backlog:**

- As a user, I want to be able to create an account and/or login so that I can access any stocks I have partial ownership in
- As a user, I want to be able to see and search through a variety of stocks to invest in so that I can pick a stock to buy
- As a user, I want to be able to buy a stock and specify the maximum price I'm willing to spend so that I can gain partial ownership in a stock
- As a developer, I want to be able to trigger the "buying" of a stock so that the grouped up users would have ownership of a stock
- As a developer, I want to be able to calculate the percentage of ownership and price that a user has within a stock so that they can see how much their portion of a stock is worth
- As a user, I want the ability to vote about the decision making framework the group will use in making a decision to sell the stock
- As a developer, I want to trigger the "selling" of a stock when the voting of a group reaches majority rule so that users would be paid their ownership of a stock based on the price and percentage
- As a developer, I want to improve UI/UX so that users can efficiently navigate through the website and easily buy stocks

#### **Project Presentation**

[https://docs.google.com/presentation/d/1bNMBdakDqC7NDUS-0e2C\\_6k1ZYF7Li11/edit#slide=id.p6](https://docs.google.com/presentation/d/1bNMBdakDqC7NDUS-0e2C_6k1ZYF7Li11/edit#slide=id.p6)