

Sprint Plan 1

Product Name: CrowdVest

Team Name: UCSC StockApp Group

Sprint 1 Begin: 07/01/2019

Sprint 1 Completion: 07/08/2019

Revision Number: 1

Revision Date: 07/01/2019

Goal: In Sprint 1, our team will set up the requisite tools for development, and build out the user flow for user sign-up, profile creation, and create a dashboard display of joined groups, groups that the user has shown interest in, and recommended groups.

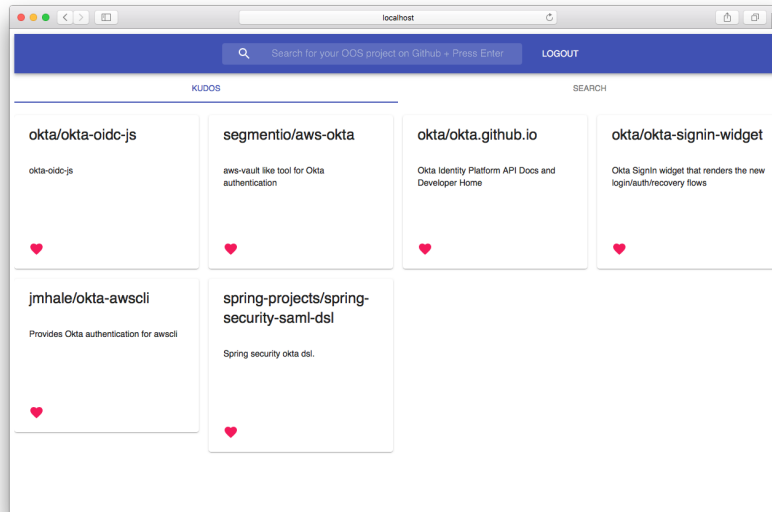
Task listing (organized by user story):

1. As a user, I want to be able to create an account and/or login so that I can access a network of other mutually interested investors
 - **DATABASE:** Set up Firebase/Flask (research which one would be better for this project) to store user account information (username/password) and POST request [5]
 - **VERIFICATION:** Verify user's email address ending in .edu extension (UCSC email addresses for the scope of this project) [3]
 - **RETURNING USER:** Query userID and verify password for returning user log-in [3]
 - **WEB HOST:** Research/set up Heroku (or other web-host) [4]
 - **LANDING PAGE:** Create React Client-side application and write front-end for basic landing page with name of website, log-in features, and information about product [5]
 - **Total for User Story 1: 20**
2. As a user, I want to be able to create/update a profile so that I can input my information and select stocks I am interested in investing in.
 - **UPDATE PROFILE:** GET and update database object containing user profile [5]
 - **CREATE PROFILE:** In React, build user profile with fields accepting input for name, year, major, personal information [5]
 - **STOCK INTEREST:** Implement [React Autocomplete API](#) to allow users to type in stocks they are interested in investing in, where Items Array can contain a static list of only S&P 500 stock names/symbols [6]
 - **USER BUDGET:** Text field next to each stock selection that accepts a specific amount of money that the user would potentially invest in the stock if accepted to a group [4]
 - **SAVE PROFILE:** PUT request to save inputted information and store in database [3]
 - **RETURN TO PROFILE:** Update Profile button to redirect back to editing stage [3]
 - **Total for User Story 2: 22**

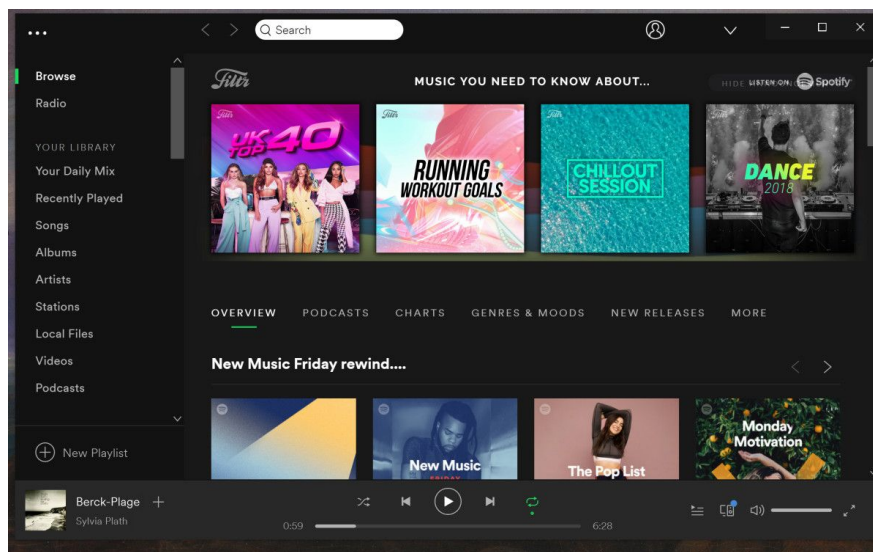
3. As a user, I want to be able to view a dashboard of my group stock portfolio so that I can easily view the investing groups I am a part of.

- **DASHBOARD DESIGN:** Build UI for dashboard using React with two rows - R1 (Your Groups), R2 (Recommended Groups) in card like format (see *visual*) [5]

■ Design Recommendation 1



■ Design Recommendation 2



- **DUMMY DATA:** Create dummy data to store and pull from database [2]
- **SCROLL FEATURE:** Implement/integrate [React Scroll](#) package [3]
- **Total for User Story 3: 10**

4. As a user, I want to receive recommendations for potential groups to join so that I can diversify my portfolio and meet/network with similarly interested investors.

- **MATCHING:** Write an algorithm to match users in database based on two criteria, store in recommended array, and return groups with matching data: [8]

■ Selected Stocks

- User Budget/Stock
- **RECOMMENDED DESIGN**: UX Design for Recommended Groups (another row on dashboard) using dummy data [4]
- **Total for User Story 4: 12**

Team Roles:

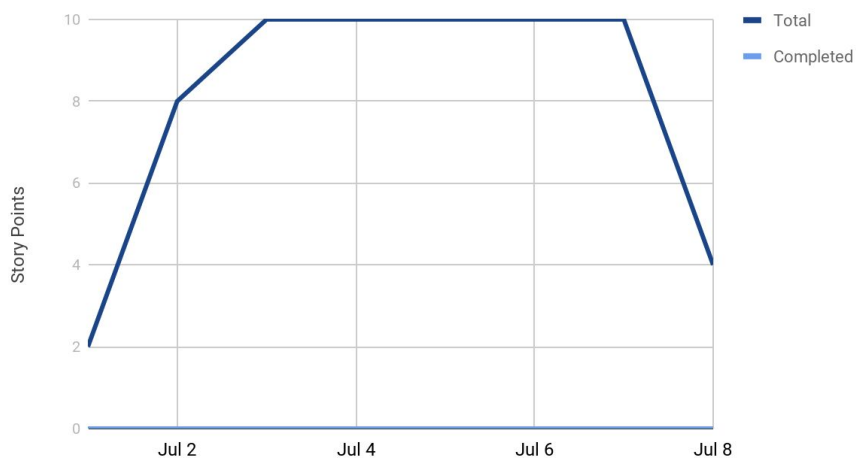
- Sheryl Ratnam: Product Owner, Developer
- Viswesh Mahesh: Initial Scrum Master, Developer
- Shana Duchin: Developer
- Adriel Naranjo: Developer
- Phu Le: Developer

Initial Task Assignment (Also included in Trello Board)

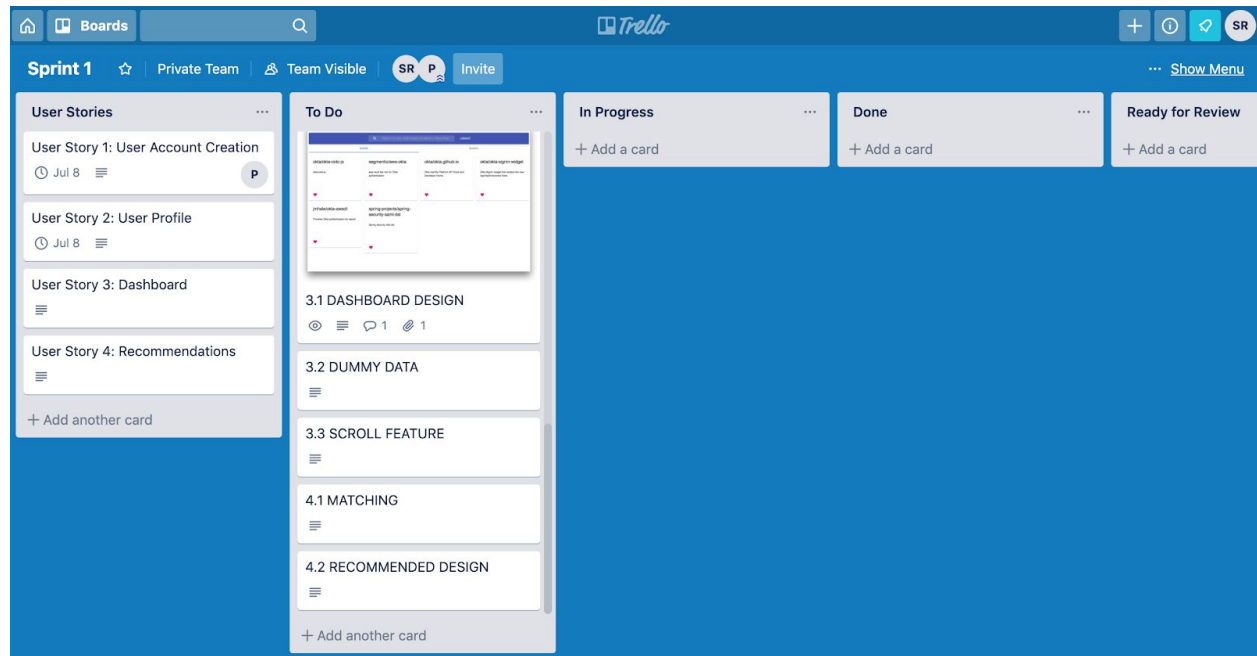
- Sheryl Ratnam - User Story (1)
 - Initial Task: **DATABASE**
- Viswesh Mahesh - User Story (2)
 - Initial Task: **CREATE PROFILE**
- Shana Duchin - User Story (3)
 - Initial Task: **DASHBOARD DESIGN**
- Adriel Naranjo - User Story (2)
 - Initial Task: **STOCK INTEREST**
- Phu Le - User Story (4)
 - Initial Task: **RECOMMENDED DESIGN**

Initial Burnup Chart:

Initial Burn Up Chart



Initial Scrum Board: (Complete SCRUM Board can be found at the end of this document)



Scrum Times:

- Daily Scrum (Stand-up)
 - Times
 - Monday: 12:45 - 1:00 PM
 - Tuesday: 12:00 - 12:15 PM
 - Wednesday: 12:00 - 12:15 PM
 - Thursday: 12:45 - 1:00 PM
 - Friday: 4:00 - 4:15 PM
 - Questions to Address
 - What did you do yesterday?
 - What will you do today?
 - Is anything in your way?
- General Scrum Meetings
 - Monday: 1:00 - 1:30 PM (w/ TA - Arindam)
 - Thursday: 1:00 - 1:45 PM (w/ TA - Arindam)
 - Friday: 4:15 - 5:00 PM

User Stories

- User Story 1: User Account Creation

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- User Story 2: User Profile

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- User Story 3: Dashboard
- User Story 4: Recommendations

To Do

- 1.1 DATABASE
- 1.2 VERIFICATION
- 1.3 RETURNING USER
- 1.4 WEB HOST
- 1.5 LANDING PAGE
- 2.1 UPDATE PROFILE
- 2.2 CREATE PROFILE
- 2.3 STOCK INTEREST

2.4 USER BUDGET

2.5 SAVE PROFILE

2.6 RETURN TO PROFILE

3.1 DASHBOARD DESIGN

1

1

3.2 DUMMY DATA

3.3 SCROLL FEATURE

4.1 MATCHING

4.2 RECOMMENDED DESIGN

In Progress

Done

Ready for Review