Sprint Plan 2
Product Name: CrowdVest
Team Name: UCSC StockApp Group
Sprint 2 Begin: 07/08/2019
Sprint 2 Completion: 07/15/2019
Revision Number: 1
Revision Date: 07/01/2019

Goal: In Sprint 2, our team aims to have a functional front-end with a dashboard by making use of a responsive template. We plan to integrate the front-end template with Firebase in order to reliably store user profile date. We also aim to complete the Google authentication aspect of sign-in.

High-Level Features:
- Login Page
    - Find template
    - Add new components on existing template
    - Set up firebase authentication
    - Add protected routes
    - Create user object for every user (?)
- Sign Up Page
    - Find template
    - Add new component on existing template
    - Write to firebase authentication
    - Redirect to home page
    - Filter by email (.edu)
- Sign Out functionality
    - Allow a user to sign out via a button
- User Profile
    - Horizontal Scrolling Cards (?)
    - Write any data from specific user onto cards
- Create Group function
    - Text fields for Group Name, Group Description, etc.
    - Write data into database
    - Redirect to home page with freshly updated group cards
- Group page
    - Button to request to join group

Product Backlog:

Priority	User Story	Story Point Estimate
1	As a user, I want a dashboard so that I can see what groups I am a part of on my dashboard to visualize my engagement with the Crowdvest platform.	13
2	As a user, I want to be able to login and sign up for an account so that I can use the application	5
3	As a user, I want a profile that I can edit so that I can have an identity in the groups	13
4	As a user, I want to be able to create/manage a group so that I can define our group's investment goals and have control over who joins my group	21
5	As a user, I want to be able to join a group of my choice	13

Task listing (organized by user story):
As a user, I want a dashboard so that I can see what groups I am a part of on my dashboard to visualize my engagement with the Crowdvest platform.
- TEMPLATE: Find a working template and deploy it [4 hours]
- INTEGRATION: Integrate the template with Firebase so the front and back-end work seamlessly, setting up database to GET and POST data [8 hours]
- DESIGN: Implement a design where dashboard ideally has two rows, displaying groups that the user is a part of and groups they can potentially join, pulling data from Firebase; horizontal scrolling cards with identifiers for each group [18 hours]
- *Total Hours for User Story 1: 30*

As a user, I want to be able to login and sign up for an account so that I can use the application
- FIREBASE: Set up Firebase Authentication (Google auth even better); fix existing network error [3 hours]
- ROUTE: Create a protected route so that only authorized users have access to any other features of the site [4 hours]
- DATABASE: Write a user object to database when a user signs up [4 hours]
- *Total Hours for User Story 2: 11*

As a user, I want a profile that I can edit so that I can have an identity in the groups
- READ: Display a static user profile (read user object from database) [3 hours]
- WRITE: Edit functionality to allow a user to write new information to database [2 hours]
- *Total Hours for User Story 3: 5*

As a user, I want to be able to create/manage a group so that I can define our group's investment goals and have control over who joins my group
- READ: Display a static group (read group object from database) [3 hours]

- WRITE: Write a group object to database when 'Create Group' is clicked [3 hours]
- WRITE: Edit functionality to allow a group owner to write new information to database [2 hours]
- *Total Hours for User Story 4: 8*

As a user, I want to be able to join or leave a group of my choice
- SEARCH GROUPS: Clicking on any one group should link to another page with a complete group description and information on group members [4 hours]
- BUTTON LISTENER: Join Button/Leave Group button should be easy to access; clicking Join Button will create a Pending Join Request in Group Owner's Profile (can be structured as a queue of join requests) [4 hours]
- UPDATE: Once Join request is approved, new group is added to "Your Groups" row on user's dashboard ➦ Might be next Sprint 3 [3 hours]
- *Total Hours for User Story 5: 11*

Team roles:

Sheryl: PO

Viswesh: Developer

Phu: SM

Adriel: Developer

Shana: Developer

Initial Task Assignment

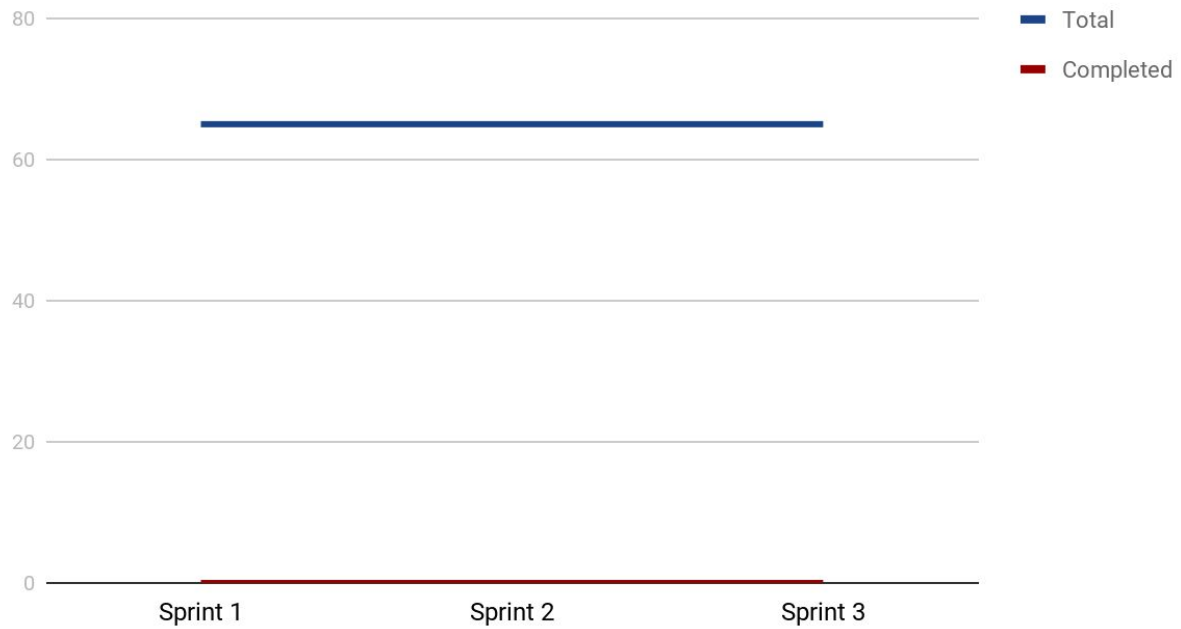Sheryl: Firebase Authentication Fix and Integration

Viswesh: Dashboard Design

Phu: Deploying template

Adriel: Simplify Template Design

Shana: Implementing the Sign In with new template and firebase

Initial burnup chart:

Points scored

Initial scrum board:
https://trello.com/b/uQGusejY/sprint-2

Scrum times:
Monday: 1:00-1:30 **TA PRESENT**
Wednesday: 1:00-1:30 (via in-person or Discord)
Thursday: 1:00-1:45 **TA PRESENT**
Friday: TBD (via in-person or Discord)
Saturday: TBD (via in-person or Discord)

Brainstorming (Sprint 1 → Sprint 2)