

Sprint 2 Plan
Product Name: Run & Track App
Team Name: Running Man
Sprint Completion Date: 7/15/2019
Revision Number: 1
Revision Date: 07/03/2019

Goal: Be able to track time, distance, average speeds, and calories burnt per run. Then store previous runs into the History page.

Task listing, organized by user story:

- ❖ [21 points] User Story 1: As a runner, I want to keep track of how many kilometers I ran per run.
 - Task 1: Setup GPS to collect location data and store it
 - Task 2: Counting up (in km) when the user is moving after pressed the START button
 - Task 3: Stop counting after pressed the PAUSE button
 - Task 4: Reset to 0 after pressed the CANCEL button
- ❖ [5 points] User Story 2: As a runner, I want to track the average speed per run.
 - Task 1: Start calculate (in m/s) by using Formula 1 [Distance (km) × 1000 ÷ Time (s) = Average Speed (m/s)] after pressing the START button
 - Task 2: Stop counting after pressed the PAUSE button
 - Task 3: Reset to 0 after pressed the CANCEL button
- ❖ [5 points] User Story 3: As a runner, I want to track calories burned per run.
 - Task 1: Take the data from the Profile page and Running Mode page to calculate and show the calories burned(kcal) in Running Record page.
- ❖ [21 points] User Story 4: As a runner, I want to have the option to either save my record or delete it.
 - Task 1: Show the time(second), distance(km), and average speed(m/s) which are passed from Running Mode page
 - Task 2: Create a Save button in Running Record page to save time(second), distance(km), average speed(m/s), and Calories to database
 - Redirect to the History page
 - If the user comes from the History page, hide this button.
 - Task 3: Create a Cancel button function in the Running Record page
 - Returns to the history page
 - Does not save/delete data
 - Task 4: Create a Delete button to delete the time(second), distance(km), and average speed(m/s) from the History page
 - Returns to the history page

- Add a confirmation dialogue if the user wants to delete
 - If the user comes from the Running Mode page, hide this button.
- ❖ [21 points] User Story 5: As a runner, I want to be able to see my history so I can see if I am improving.
 - Task 1: Set up SQLite for Database
 - Task 2: Take the date, calories, distance, and time from the database and put in History Page.
 - Task 3: List all past running records in descending order (newest to oldest)
 - Task 4: Home button: press then redirects to the Main Activity(Homepage).
 - Task 5: When a user clicks on one of the running records in the list, it will direct them to the Running Record page.
 - ❖ [5 points] User Story 6: As a tester, I want to be able to simulate the functionalities of tracking time, distance, and average speed.
 - Task 1: Setup GPS Emulator (with GPX file)

Team Roles:

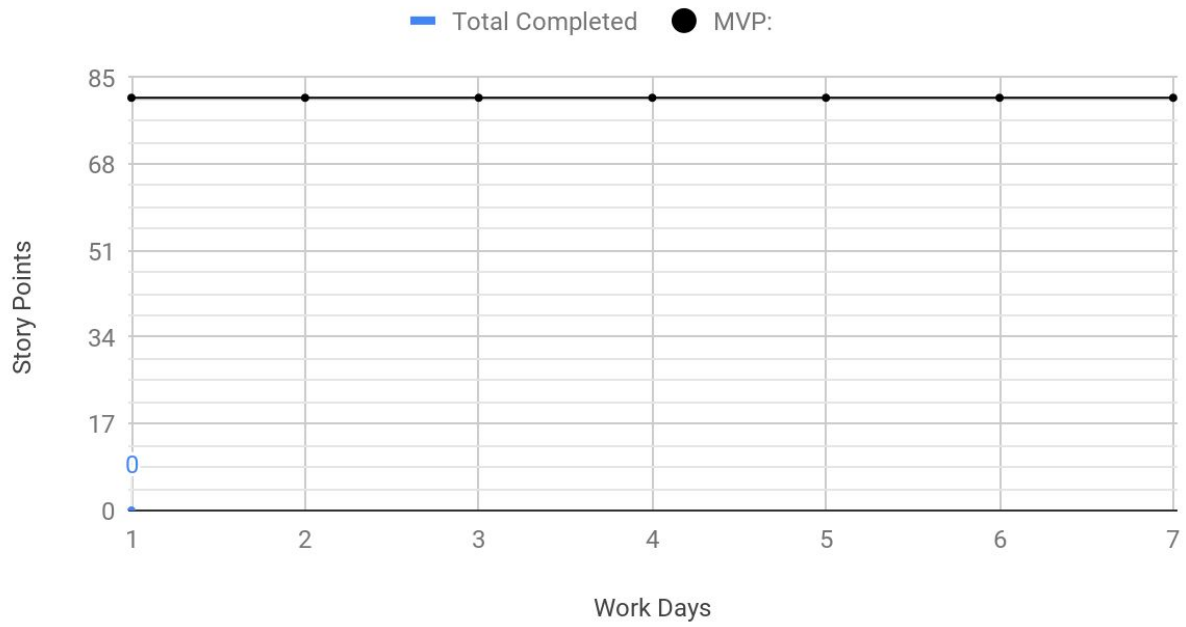
- ❖ ChongHang Ho: Product Owner
- ❖ Scott Fischer: Developer
- ❖ Karl Flores: Developer
- ❖ Rebecca Duong: Scrum Master

Initial task assignment:

- ❖ ChongHang Ho: User Story 1 - All Tasks
User Story 2 - All Tasks
- ❖ Rebecca Duong: User Story 3 - All Tasks
User Story 4 - Task 1, 3
User Story 6 - All Tasks
- ❖ Karl Flores: User Story 4 - Task 2
User Story 5 - Task 1
- ❖ Scott Fischer: User Story 4 - Task 4
User Story 5 - Task 2, 3, 4, 5

Initial burnup chart:

Sprint 2 Burn-up Chart



Initial scrum board: (See Spreadsheet)

Scrum times:

1. July 8 12:30 - 3:30
2. July 10 12:30 - 3:30
3. July 12 12:30 - 5:00