May 10, 2023

Sprint 3 Plan, Training Control Center

## Sprint Goal

For sprint 3, we transition from an intensive phase of building the UI and fetching workout data from third parties to parsing training data stored for a user and compiling interesting information for the user. Statistics on total time and distance trained over certain periods of time will be compiled and can be compared over the user’s history. Next, charts will be made using Matplotlib to allow a user to visually get an idea of their training load, performance, and variety of activities. Additionally, during this sprint, a general frontend design phase will be required to establish the new pages and where information will be displayed.

## User Stories Overview

| **Sprint 3 (Cool data insights, activity cards, data visualization, goal tracking)**   * 3.1 As a data driven user, I want to see starred activities with total value summaries (for example total running/week). [3] - 12 hours * 3.2 As a data driven user, I want to see general time and distance summaries and historic comparisons across all activity types. [2] - 10 hours * 3.3 As a data driven I want to see detailed information for every workout from either the workout filter or a graph showing a specific workout [3] - 10 hours- * 3.4 As a visually inclined user, I want to see trends in quality graphs showing my general training volume. [4] - 15 hours * 3.5 As a visually inclined user, I want to see trends in quality graphs, curated for specific sports. [4] - 15 hours |
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## Task Listing

* 3.1 - 12 hours
  + Build front end page for displaying starred activities with total value summaries - 5 hours
  + Write backend functions to calculate total values for activities - 4 hours
  + Link backend with frontend - 1 hour
  + Testing and revisions - 2 hours
* 3.2 - 10 hours
  + Build front end page for general information summaries- 3 hours
  + Write backend functions to fetch relevant data points for the user - 3 hours
  + Link backend with frontend - 2 hour
  + Testing and revisions - 2 hours
* 3.3 - 10 hours
  + Adapt goal MUI cards for activities - 3 hours
  + Link to MUI cards wherever activities are listed - 5 hours
  + Enforce and assure consistency across frontend code for activity and goals cards
* 3.4 - 15 hours
  + Identify key training volume metrics to visualize in graphs - 1 hours
  + Build front end components for quality graphs showing general training volume - 4 hours
  + Write Matplotlib graphing code - 5 hours
  + Write backend functions to fetch and process training volume data - 3 hours
  + Testing and revisions - 2 hours
* 3.5 - 15 hours
  + Consider key metrics for sports-specific visualization in graphs - 1 hours
  + Implement front end components for quality graphs curated for specific sports - 4 hours
  + Write Matplotlib graphing code - 5 hours
  + Write backend functions to fetch and process sports-specific data - 2 hours
  + Testing and revisions - 2 hours

## Ideal Work Hours - Team Roles

Fabrice (PO) - 20 hours

Ethan - 20 hours

Tung - (Scrum Master) - 20 hours

Daniel - 20 hours

## Initial Task Assignments

## Scrum Meetings

Monday, Wednesday, Saturday 8-8:15 pm

[LINK to Scrum Board](https://docs.google.com/spreadsheets/d/1usI8ppMf7TvnNKIHeVkdbeS3BA_1Pw2Gzwhc-HM6ruQ/edit?usp=sharing)