

Group 11

Sprint 1: Planning for Sprint 1

Group Members:

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Github: <https://github.com/yang-daniel/CS5500-group-11>

Trello: <https://trello.com/b/5KytY7II/user-stories>

User Stories Delivered:

User Stories	Delivered (Yes/No)	Description of Functionality
As a user, I should be able to track my steps on a specific day.	Yes	Users can go to the Steps Menu and request the number of steps taken for a specific date.
As a user, I want to be able to track my calories burned in one day.	Yes	Users can go to the Calorie Menu and request the number of calories burned on a specific date.
As a user, I want to be able to track my calories burned in one week.	Yes	Users can go to the Calories Menu and request the number of calories burned between two dates.
As a user, I want to be able to track my calories burned in one month.	Yes	Users can go to the Calories Menu and request the number of calories burned between two dates.
As a user, I want to be rewarded for getting exercise.	Yes	Users can go to the Rewards menu to view the number of points earned in a given month. Two points are given for every calorie burned.

Functionality Summary:

For Sprint 1, we managed to connect our backend with a database and created a command line interface that users can interact with to query specific details from their data. We imported the client's

database online onto mongoDB Atlas, allowing users to access their data as long as they have an internet connection. To connect the database with our app, we used BSON and the Java mongoDB drivers to query the JSON documents within our mongoDB Atlas database. We have currently implemented the following functionality:

- Getting the number of documents in the collection
- Printing all the documents in the collection in JSON format
- Getting and printing the details of any one specific day
- Getting the number of steps of a specific day
- Getting the calories (non-idle) of a specific day
- Getting the number of steps on a range of days
- Getting the calories (non-idle) on a range of days
- Creating a simple reward incentive system

The command line interface allows users to choose what information they would like to know and allows them to input a specific day or a range of days that they would like to query. While working on the user stories for day/week/month, we realized that instead of creating queries that limited the user to only those timeframes, allowing the user to choose their own timeframe was not only easier to implement, but also allows the user more freedom!

CodeMR Report:

