Fitness Tracker Application

Project Proposal

SODV3203: Mobile Application Development

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We propose to build an Android application to help with personal fitness. Our application will contain a variety of features that will assist user in keeping track of their fitness goals. The features that we plan to implement include a series of workout timers, a run tracker, a fitness goals section, and a way to view your fitness statistics over time.

- Users will be able to set up customized workout timers for different workout activities.
- The run tracker will record the route, distance, and length of a run.
- Users will be able to set and track specific fitness goals such as number "Do 20 weightlifting sets this week", or "Spend 2 hours doing crunchies this month".
- The fitness statistics section will show users their fitness data for a given period of time so that they can visually keep track of their fitness routine.

Some sample user stories:

As a user, I want to be able to track my fitness goals.

As a user, I want to stay logged into the app so that I do not have to log in every time I open the application.

As a user, I want to be able to track the distance of my run.

As a user, I want to keep track of how many minutes my run is.

As a user, I want to see a map with a path of where I ran on my run.

As a user I want to set a fitness goal of 300 minutes of activity per week.

As a user I want to view my fitness statistics, such as how far I ran this month.

As a user I want to be able to update my profile.

As a user I want a timer to time out my weightlifting/body weight sets and rests between sets.

As a user I want to track my progress for how much weight I lift over time.

All user data will be stored locally on the android file system. The mapping data for the run tracker will use the google maps api and GPS locations services.