REQUIREMENTS CREEP DOCUMENT

VERSION 1.0.0

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Introduction

In following the functional specifications document, the user interface was designed with minimalism in mind effectively making the app easy on the eyes and easy to use. Some less fundamental features were removed such as music playing to the cadence of the user and memes being displayed when approaching the goal or finish line of the run. There are features still to be implemented in future versions, however this document will outline the features currently implemented and their justification.

Feature 1

Saves paths prior to and during run

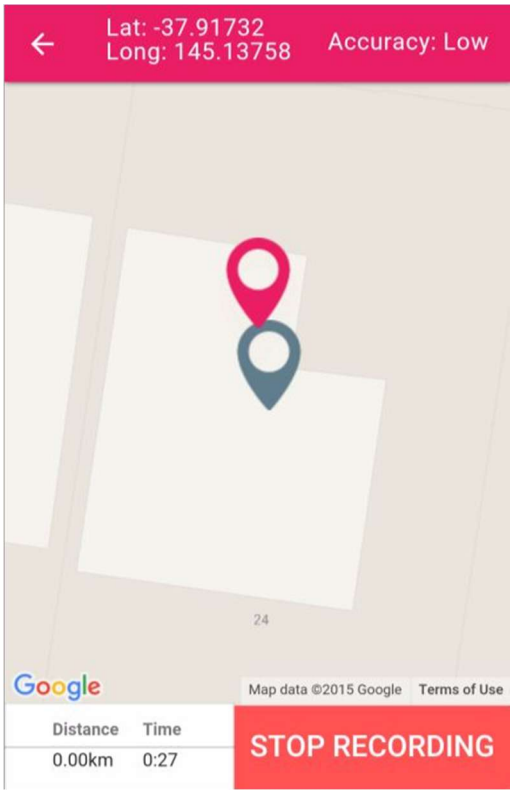
Justification for inclusion

The ability to save the path the user is about to run and be able to have a constant reminder or reference to the path as well as easily visible start and end points can assist the user in focusing more on the exercise at hand rather than worrying about the path to take. This feature is able to aid users to achieve their fitness goals and is a fundamental feature of this web application.

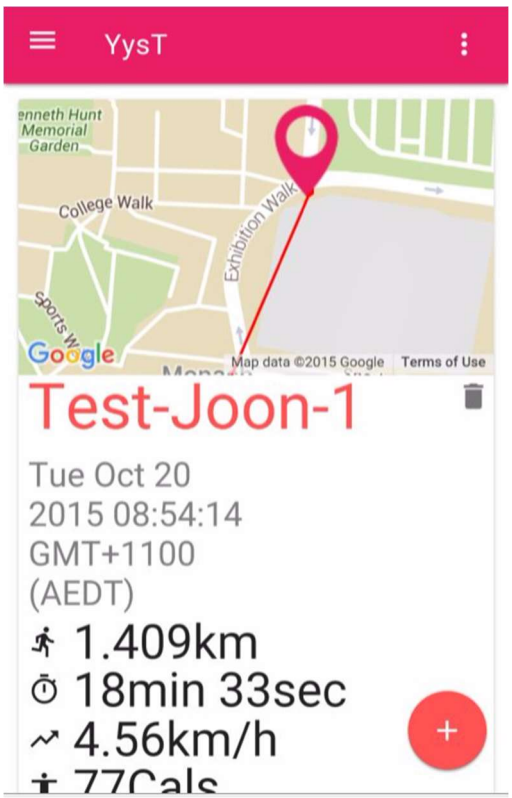
Implementation

When the 'start recording' button is pressed, a bouncing location marker appears on the google map where the user is located and from there any movement from the user is tracked by a line. When the user is finished with the run and presses the 'stop recording' button a location marker appears, once again at the location of the user, marking the end point of the run.

Screenshots



Showing start and end points



Displaying a completed run

Feature 2

Displaying details of the run

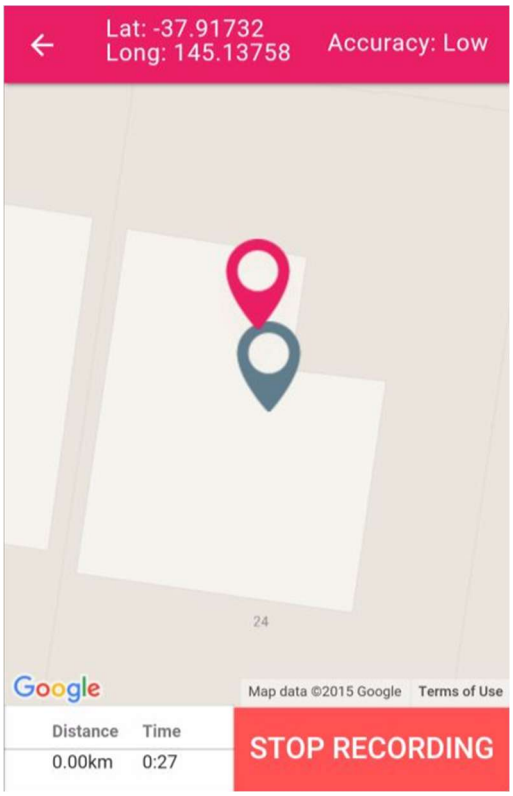
Justification for inclusion

In a day and age where data is so important it is important for users to be given easy-to-digest data and details that can provide insight into their exercise and help them set goals to strive for in future exercise attempts. By showing users details such as run date, run time, run distance, average speed, and calories burned, it is possible to motivate users to outdo themselves.

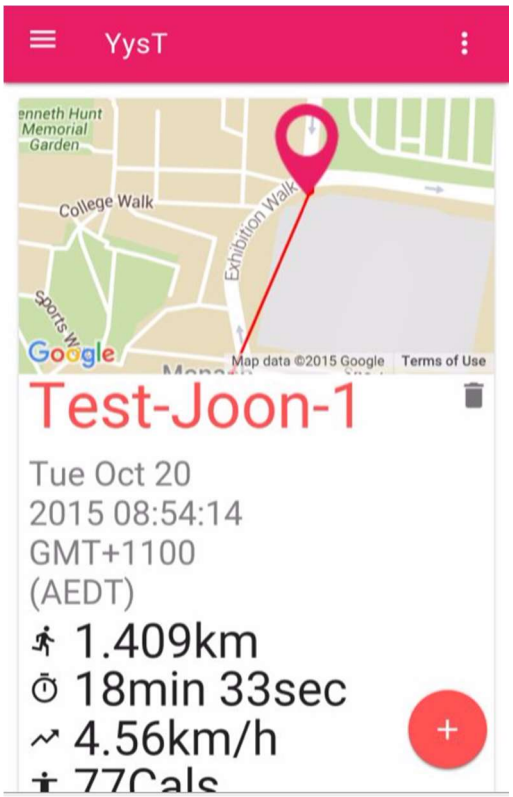
Implementation

The details including latitudinal and longitudinal coordinates, GPS signal strength are displayed at the top of the UI whilst in the bottom left corner the time and distance are displayed.durign the run. A summary page is displayed at the end of the run when the 'stop recording' button is pressed showing date, run time, distance, average speed and calories burned.

Screenshots



During run details



Summary page details

Feature 3

Ability to save, display and sort runs

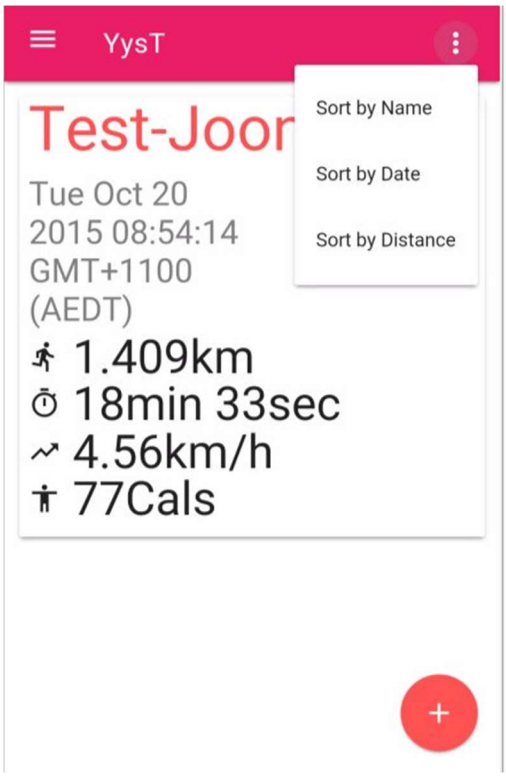
Justification for inclusion

Users are able to repeat their favourite workouts by loading a saved run, improving motivation and can also easily access said runs using the sorting features.

Implementation

Using the MDL dropdown menu the sort by name, date and distance options are added and the ability to save and display are implemented through the use of local storage and JSON.

Screenshots



Sort menu clicked

Feature 4

Instruction manual

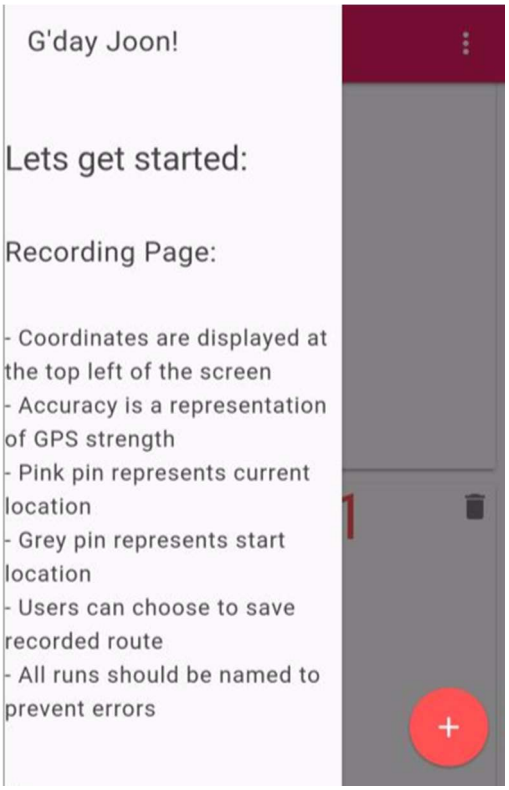
Justification for inclusion

A tool without an instruction manual can be a nightmare for users and so a personalised manual has been included in the webpage to ensure the user experience is as best as it can be. A simple yet thorough explanation of the functions of the application makes it more accessible to those less tech-savvy.

Implementation

Using one of MDL's built in features the simple instructions are displayed in a sliding window

Screenshots



Instruction manual

Feature 5

Street View

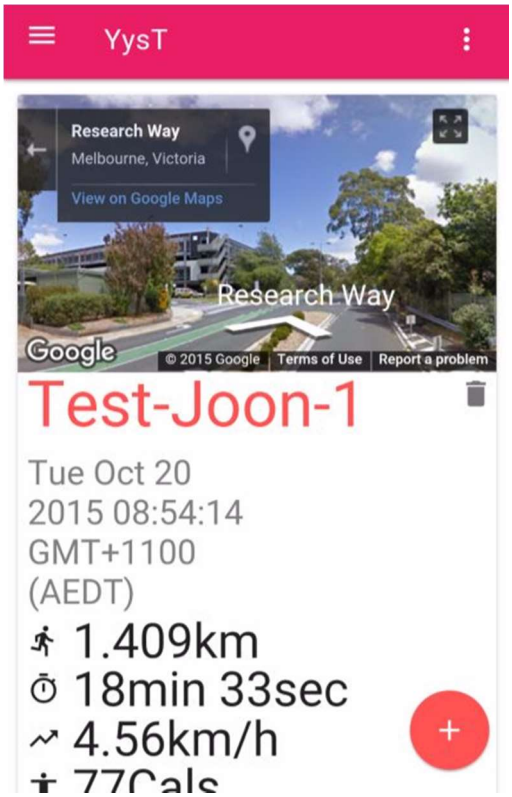
Justification for inclusion

Making use of innovative technology is a way to better engage users and could also encourage to exercise more which is the overall aim of the project. This feature provides an exciting and different way to view the world around users making them more inclined to exercise.

Implementation

Using the Google maps API, street view is implemented and replaces the Google map

Screenshots



Google street view in action