**Mobile App Development 2**

Design Document

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**About:** The application I intend to design is a calorie/fitness tracking app which displays the users current weight information and what sort of exercise (if any) that they’ve done that day (although I may just keep it to if the user has run that day or not and the distance if so).

**Functionality:** The application should allow the user to input a various array of inputs including current weight, goal weight, calories in, etc. This information will be stored off the app and reloaded upon start up. This information will be stored where the primary key for searching and retrieval will be the date. I had intended to use graphs and charts when the device is switched to a horizontal mode which displays the trends on the likes of weight, calories, distance ran over a period, but I doubt my capabilities to do so and intend to include it if possible but may be unlikely.

As the application will be local to the user it will display one page which will display the user’s history of input and an area for input, I hope to include extra pages where/if possible (i.e. pages for any graph/chart/trend information). There will be button functionality on the main page to allow the user to input/delete the information.

The sensors I intend to use will be the accelerometer, for use when transitioning to landscape and back.

I’m hoping to use SQLite as a means of storing information off the app and as a way to retrieve it.

The below image is a rough idea of how the main page will be designed.

