**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). I also will allow the user to take photos, the purpose of this is to get before and after photos for the user to compare later on down the line.

**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. Instead of graphs I have included a page for the user to take pictures and store them, also a way for users to pick a photo they have previously taken and displaying it to the screen (This utilises the phones camera as hardware functionality).

The application is split into two pages, the info display page and the camera page.

I’m using JSON data as a means of storing information off the app and to retrieve it.

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

