1.0.        Product Description

The product is an android application integrating various governmental datasets (including air-quality, weather information, car-park availability, food nutrition’s data and other health-related data) to provide beneficial and accessible information to target users who care about personal health conditions and need convenient application to perform certain task.

2.0.2.5.   TBC (may have userID (to be seen and displayed by the application), birthday (to calculate age and be used by other health advisory section), Country and Location (not necessary))

3.0.        User Preference

3.0.1.   The login status of the user will be checked when the user intends to use the functionality in this section.

3.0.2.   If the user is not logged in, the user will be directed to the login page.

3.0.3.   Upon initialization, the user shall go through several preference selections, including indoor-outdoor activities, past workout experiences, purpose of exercise, and estimated intensity of everyday workout.

3.0.4.   The data shall be used to generate recommended exercise time, activities, and estimated calorie consumption of each activity. (The fitness plan part, I don’t know if we are going to include this)

5.3 The user will be able to see the suggested amount of water intake. [reserve for lab 2]

5.3.1 The suggestion on the amount of water intake will be calculated based on weather forecast, temperature and humidity.

5.3.2 The suggestion on the amount of water intake will be displayed with the unit being mm.

[data used: weather forecast, PSI, UVI, humidity, nearby park/sports field/gyms]

8.0.3.   The user shall be having the choice to link their account to other social media or email account, which serves as an alternative way of login. logout of the app, app settings.

8.1.        Avatar

8.1.1.   The Avatar is a square shaped picture that is located at the top of the ME section

8.1.2.   The user shall be allowed to enlarge the Avatar to their phone screen size by simply pressing on the Avatar.

8.1.3.   The user shall be allowed to change the Avatar by uploading their own photo.

8.1.3.1.   There shall be a button at the bottom of the enlarged photo to allow the user to change their Avatar.

8.1.3.2.   If the user does not want to upload their own photo, there is a list of default Avatars to choose from.

8.2.1.2.   The user shall be able to check his exercise records, for instance the duration and distance of a running/cycling/walking exercise.

8.2.1.5.   All the data in this category shall be shared with other sections of the application, for example the workout section.

8.3.2.   Preference Setting

8.3.2.1.   The user shall be able to modify his workout intensity from 4 categories, light, moderate, hard, intense.

8.3.2.2.   The user shall be able to choose his preferred exercise types, such as indoor, outdoor, physical, relaxing.

8.3.2.3.   All the data in this section shall be taken into consideration by the back-end to precisely calculate the recommended activities in the Discover section.

8.4.2.   The user shall be able to link his social media accounts

8.4.2.1.   The user shall be able to link his Gmail account by pressing “Link My Gmail” button.

8.4.2.1.1. Upon pressing the “Link My Gmail” button, a UserInterface will pop up to request the user to enter his Gmail Account and Account Password and press “Submit”.

8.4.2.1.2. After verification from the Gmail database, there shall be a pop up dialog in the app to remind user “Successfully Linked”

8.4.2.2.   The user shall be able to link his Instagram account by pressing “Link My Instagram” button.

8.4.2.2.1. Upon pressing the “Link My Instagram” button, a UserInterface will pop up to request the user to enter his Instagram Account and Account Password and press “Login”.

8.4.2.2.2. After verification from the Instagram database, there shall be a pop up dialog in the app to remind user “Successfully Linked”

8.4.2.3.   The user shall be able to link his Facebook account by pressing “Link My Facebook” button.

8.4.2.3.1. Upon pressing the “Link My Facebook” button, a UserInterface will pop up to request the user to enter his Facebook Account and Account Password and press “Login”.

8.4.2.3.2. After verification from the Facebook database, there shall be a pop up dialog in the app to remind user “Successfully Linked”