

Bi-weekly report 9 - OpenMRS Hypertension

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Project Client: UCL - Prof Philip Treleaven & Bupa - Alex Matei

Overview

During the past week, our team has been working on improving the user interface as well as completing the weekly tasks. As mentioned by our client, we have managed to integrate a food API, called FatSecret API. The user will be able to search for their preferred type of food and a listview containing the food names and calories will be displayed.

This functionality not only gives the user the ability to perform a food search, but also to select more than one food type, see the individual number of calories for breakfast/lunch/dinner as well as the overall number of calories per day. If the user made their choice by pressing the "Submit" button the total number of calories will be then saved onto the openMRS database.

We have also managed to finish up the graph page, where it will show the user's steps as a graph over 5 days, weekly average resting heart rate, target heart rate, BMI, and exercise minutes of the user.

Tasks Completed

Over the last week we have managed to:

- Implement the food API, FatSecret
- Calculate the individual number of calories for breakfast/lunch/dinner as well as the total number of calories per day
- Finished implementing the Graph Page with the user's step(as a graph), average weekly heart rate, target heart rate, BMI and daily exercise minutes.

Next Aims

For the next week we are going to:

- Further work on the "Chat" Page
- Implement a notification option so the user will know when they will receive a new message
- Implement notifications

Members Contribution

Diana

During the past week I have been working on integrating the FatSecret API with our Android client such that the user is now able to search for a type of food and get the individual number of calories as well as the total number of calories per day which will then be saved to the OpenMRS platform.

Chevy

During the past week, I have been working on finishing up the Graph page to show the weekly average resting heart rate, target heart rate, BMI and exercise minutes of the user by pulling the data from our OpenMRS server.

Sam

During the past week I have been working on the graph, as before it would show 5 latest observations but we realised this would not be useful if users do not sync consistently. Graph now would display the last 5 days instead. Furthermore, I have also started working on implementing notifications when users receive a new message from their doctors.