

# Bi-weekly report 10 - OpenMRS Hypertension

## 24/03/2016

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

### Overview

During the previous two weeks we have been working on implementing our client's last requirements as well as improving the app interface for a better user experience. We have managed to finish the Manually Input Page, Chat Page and the notification option. We have also added a legend to the Chat Page and changed the notification service so that it will notify the user each time they receive a new message from the doctor.

After doing some user testing, we realised that our app was difficult to use because it was confusing as users do not know which page they were in, therefore, we added a title for each different activity as well as solved the layout problem when the keyboard is activated.

We had some problems implementing the Chat Page as the OpenMRS platform doesn't provide a REST module for the "relationship" table that connects the user to their doctor. This is the reason why the user has to manually input their doctor's name before opening the chat page. Furthermore, the REST module only returns two values from the observation tables, which are the UUID of the observation and its value. As a result, we were able to retrieve both the user's and doctor's messages without the post dates which is required for us to arrange the messages in order. Hence, we decided to split the chat page will be split into 2 segments, one side for the doctor's messages and the other for the patient's.

### Tasks Completed

Over the last two weeks we have managed to:

- Finish implementing the Manually Input Page
- Finish implementing the Chat Page
- Implement the notification option
- Add a legend to the Graph Page
- Add a title for each activity

### Next Aims

For the weeks ahead, we are going to:

- Work on the final version for our website by adding the technical achievements, implementation details, use of design patterns, testing, evaluation of the product design, the system manual and user manual
- Work on the individual report
- Fix any other existing bugs
- Improve the user interface

## Members Contribution

### Diana

Over the last two weeks I have been working on finishing the Manually Input Page as well as the Chat Page. The Manually Input Page now allows the user to input their food by using the FatSecret API to search for any type of food. The total number of calories will be then calculated and if submitted, it will be saved to the openMRS database. The Chat page displays the doctor's messages and allows the user to send any messages. I have also been working on improving the user interface such that when the keyboard is enabled the layout won't be resized. I have also added a title for each activity so that the user have a better understanding of each activity's topic.

### Chevy

For the past two weeks, I have worked on implementing the SyncGoogleFit class to work as a background service instead of running as an activity so that the app will be able to run more smoothly. I also added the navigation bar on the SyncData page so as to provide user with easier ease of access to other pages.

### Sam

For the course of the past two weeks, I have been working on implementing the notification which notifies users when they get a new chat message from the doctor. I have also added legends on the graph to improve readability.