

# NHS & IBM - What's the plan: Bi-Weekly Report 8

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## Overview

Over the past two weeks, we have continued with app development and completed the appointments feature where the user can add details about a future meeting with a clinician, including the location using the Google Maps API. In addition, we have continued creating front end pages using Ionic. Lastly, we made a breakthrough with understanding and implementation of openEHR following the video conference call with Dr Ian McNicoll (openEHR expert), where we were recommended and briefly taught how to use EhrScape RESTful API. Moreover, we were provided with an EhrScape account which we had no access to previously and so we very recently began experimenting with it to get better acquainted.

## Meetings

### 14th February:

- Team Skype meeting over UCL Reading Week where we discussed how to approach openEHR and were suggested EhrScape RESTful API from another UCL Computer Science Systems Engineering project team.

### 24th February:

- We attended a video conference with openEHR expert Dr Ian McNicoll and client Paul Fleming where we were given a formal introduction to openEHR and provided all the tools we will require to develop with it. This included domain details for EhrScape RESTful API and other tools such as Postman which can be used for API testing and experimentation.

## Completed tasks

- Made a breakthrough in understanding of openEHR and how to work with it following video conference call with Dr Ian McNicoll. In addition, we were provided with tools and EhrScape domain details which has allowed us to begin working on openEHR based features in our app.
- Carried on frontend development with Ionic independently from backend.
- Appointments feature completed along with integration of Google Maps API for location details.

## Problems

Solved problem regarding understanding of openEHR.

## **Plan for the next two weeks**

- Begin development with EhrScape API and implement OpenEHR for medical records section, profile section, and medications section.
- Continue developing other core features of the app with Firebase backend.

## **Individual reflection**

**Shivam Shah** - Over the past two weeks I have carried on liaising with client and new contact Dr Ian McNicoll (openEHR expert) to reach a breakthrough with openEHR understanding and implementation. In addition, I have continued front end development of app pages using Ionic. Lastly, as Chief Editor, I have carried on writing Meeting Minutes and Biweekly Reports for the team as required by my role.

**Byoung Hun Min** - Experimented with the EHRscape API and started implementing the HTTP request methods for the API. Also, started working on the Care Plan section backend code with Firebase. Attended the online conference with Dr Ian McNicoll and Paul Fleming with clarifications on implementing OpenEHR and further specifications for the app.

**Eduard Ursinschi** - Finished implementing the backend for the 'Appointments' section and integrated the Google Maps API in the app. Getting accustomed to EHRscape API.