NHS & IBM - What's the plan: Bi-Weekly Report 10

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Overview

During the past two weeks we have made considerable progress on the final few features. We have successfully integrated openEHR into the app using the EhrScape RESTful API. Consequently, we have managed to create user demographics entries in EhrScape for newly registered patientts as well as successfully implement the retrieval of allergy data for patients (read only) from EhrScape and display it on the app.

On the other hand, we have also gone back and improved previous features such as the Appointments section and Care Team section, with regards to the user interface and functionality.

Lastly, we have designed the user interface for the Medical Records section and a side menu for the Home Page but still need to implement the functionality for them.

Meetings

14th March:
- Regular team meeting for app development on integrating openEHR into the app. We successfully created a user demographics entry in EhrScape for newly registered patients. Additionally we began work on the project website to create new pages for the final website.

17th March:
- Regular team meetings for app development on reading in allergy data (read-only for security reasons). Also, we began uploading the latest PDFs of the Biweekly Reports and Meeting Minutes to the project website.

Completed tasks

- Integrated OpenEHR/EhrScape into the app.
- Created a user demographics entry in Ehrscape for new registered patients
- Successfully retrieved the patient's allergies from the Ehrscape by ehrId (obtained from NHS number) and displayed it on the app
- Improved the appointments section and care team section.
- Added the medical records section UI.
- Added a side menu for the main page with buttons that can do various things (functionality of the buttons will be implemented later).

Problems

Plan until Proof of Concept submission (26th April)

- Finish app development (achieving all MUST have requirements and some SHOULD haves)
- User acceptance testing and arrange meeting/conference call with client to receive final project feedback.
- Unit and Integration Testing.
- Complete project website by uploading final video of app, all Biweekly Reports/Meeting Minutes, and the Management, Evaluation, and Testing pages.

Individual reflection

Shivam Shah - Over the past two weeks I have carried on liaising with the client and arranging meetings (conference calls). Additionally, as Chief Editor, I have continued writing Meeting Minutes and Biweekly Reports for the team as required by my role. Furthermore, I have been improving the project website by uploading new Meeting Minutes and Biweekly reports as well as working on new pages such as "Management" and "Evaluation" for the final project website submission.

Byoung Hun Min - I continued developing the app and communicated closely with Ian over skype to obtain AQL strings that can be used to retrieve specific archetype data from Ehrscape. With the AQL strings provided, I managed to successfully retrieve the patient's allergies from Ehrscape via ehrId (obtained from NHS number) and displayed it on the app. I also added the medical records section UI to the app. Another feature I added to the app is a side menu for the main page with buttons that can do various things such as logging out or exporting data (functionality of the buttons will be implemented later).

Eduard Ursinschi -

Appendix

Screenshots of new features

a. Medications Menu   b.Allergies (read from EhrScape data) c. Side Menu

Medical Records		
⊙ Diagnosis		>
✂ Surgeries		>
🖊 Allergies		>
🗐 Laboratory Tests		>

Allergies

Allergen: allergy to penicillin
Symptoms: eruption due to drug

Allergen: allergy to seafood
Symptoms: allergic angio-oedema due to ingested food

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Logout

Export Data

Records

ations

on Notes