

Team 41
Bi-Weekly Report
UCLH Peach & Microsoft : Tools

German Mikulski, Nancy Amelia, Yuan Pan

27/01/2017 - 10/02/2017

Overview

Progress summary

Over the past two weeks, we have assigned responsibilities among ourselves to research on. German will focus on parsing the template, Angela will focus on the form generator and Nancy will focus on the backend API calls. Furthermore, we researched about the format of input and output template we are going to use, to ensure consistency among our work. We have started experimenting and coding for this project. Precisely, we managed to parse input template from OpenEHR backend, and display it in our simple User Interface webpage.

Successes

- Successfully established connection with OpenEHR
- Structured the outline of our website user interface based on EHRScope form builder guidelines.
- Researched about the openEHR template format, and how these template is passed to EHRScope backend.
- Created a medium articles for our clients publication purposes.

Issues

- We have to agree on which template format are we going to use in order to ensures interoperability between each components we are developing.
- We are currently coding our project using simple Javascript. In the future we have to Implementing our code in React.Js environment.

Meetings

03/02/2017

In our first lab session, we researched on the design patterns that could be implemented in our project. We decided to adapt object oriented programming design concept to ensures code reusability and efficiency. We managed to successfully connect to openEHR backend and fetch essential data such as available templates, forms, and customer data from EHRScope. We tried to parse the structure of the template in order to extract the archetypes for our forms. We ended our meeting with a discussion regarding how our form builder should be structured.

Development strategy research - 07/02/2017

During our meeting, we briefed each other regarding the progress we have been working on to ensure that everyone is on the same page. Based on our discussions, we found out that there is an inconsistency in the template format we have been working on. We conducted research on which template format would best suit our code structure for parsing and form generating. Lastly, we decided to divide the scope of project each of us should focus on, and added these responsibilities to our Trello management board.

10/02/2017

In our lab session, we updated our TA regarding our current progress. We researched more about how OpenEHR establish a connection with EHRscape and how templates are standardise in both platforms. At the moment, we are concurrently researching more about EHRscape system structure. Furthermore, we are trying to securely post data to EHRscape system and we have built a simple front end system which will be used later as a general template during the development of the final product.

Future plans

- Successfully parse data from EHRscape template
- Establishing connection between the backend and the frontend
- Do researches on the template format of the template generated.

Individual reviews

German

My particular responsibility during these two weeks were to ensure that our team is developing the system in a sustainable manner. Hence, I conducted additional research on particular template formats that we could make use of in the context of EHRscape. In addition, I worked on finalizing the Medium article prepared by my teammates and communicating with our client.

Nancy

Throughout the week, I have been experimenting with the API calls and managed to established a connection with EHRscape, by sending GET and POST requests to EHRscape server. From this, I was able to obtain sample forms and parse template from the server. Furthermore, I tried to set up React.Js environment using NPM in my computer. For the following week, I am planning to research more on the drag-and-drop user interface for our form builder.

Angela

During the past two weeks, i have been working on the basic html components that is going to be our final basic structure. Now that we have an upload page and a form generated out of the structure. In the same time i am learning how to code oop design using javascript so that we are allowed to objectify the input and output to make it follow our design. In the next week, i plan to learn more about javascript and in the meantime start to learn things about the server.