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

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Week 1: 12/10/2016 - 28/10/2016

Overview

Our team managed to successfully complete the milestones expected from us. This includes establishing strong communication with our client, finalising system requirements and publishing the first template of our website. The focus of our project mainly revolves around creating a form generator. To supplement our basic knowledge, we did further research about the necessary tools, frameworks and resources on both frontend and backend sides.

In the next weeks we are planning to further explore technologies and software development methodologies we could employ to deliver the system.

Meetings

Refining requirements with our client - 14/10/2016

We used this meeting to ask our client a lot of questions to gain a better understanding of the system we need to deliver. Through a discussion with our client we decided to focus only on a form generator, instead of developing an archtype generator as well.

Monitoring team progress - 17/10/2016

We checked on each others progress. As each of us was focused on different aspect of research, it was important to keep each other updated. We discussed the general structure of OpenEHR and how to form a template from openEHR archetypes. We ended the meeting by clarifying the aim of our project and our field of focus.

Accomplishing the first milestone - 21/10/2016

We accomplished our first milestone by gathering the requirements for the website and creating a website template for our project. The website will contain information about various aspects of our project. Furthermore we decided on general layout and common design components to standardize our work.
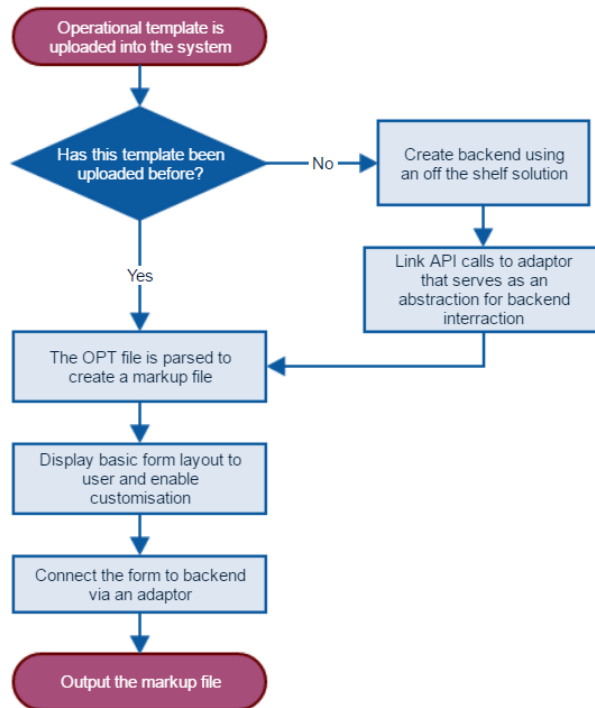
Website Design - 24/10/2016

Focus of this meeting was on improving components of the group website. We decided to change the sidebar menu, selected website color scheme and embedded new fonts. Lastly, we deployed the website to CS server.

Clarifying Requirements - 28/10/2016

We demonstrated the final list of requirements to our client, as well as reconfirming with him about the technology we are using. The system flowchart and complete list of requirements are provided below.

System flowchart

MoSCoW requirements list

Must

- Complete all the steps described on flowchart diagram

- Be able to use output of the form generator in render forms

- Provide software documentation in the form of user manual and use case videos

- Produce readable and well commented code that can be used for further development

Should

- Be able to view a list of OPTs that have already been loaded into the system

- Use UI components common with other UCLH Peach applications

- Have a complete form renderer integrated into layout customisation section

Could

- Provide form preview before the layout is confirmed

- Be a part of container application

Won't

- Restrict user to a certain form layout

- Duplicate backend for an already imported template

Tasks Completed

- Finalise system requirements with client

- Launch team website

- Create a template for the project website

- Research basics of React.js, Angular.js and openEHR

- Discover potential backend solutions - (EtherCIS/EHRScape/EHRServer)

Progress summary

Overall, we are satisfied with team progress. Communication between members is strong, relationship with client is very friendly and productive. All core milestones have been reached and we are set to continue our work in a constructive manner.

Issues highlighted

- Complexity of openEHR coupled with limited amount of documentation

- Dependency in choosing a frontend framework - for the purpose of compatibility we will have to follow the decision of frontend team regarding which framework to use.

Plan for the next week

- Improve website's design and functionality

- Add contents to the group website.

- Learn more about frontend frameworks.

- Explore openEHR and related software

Team members

German

My responsibilities, as a tech lead, included communication with client regarding technical aspects and negotiating requirements. Also, I was in charge of researching openEHR and possible backend solutions for it. On team meetings, I transmitted this information to the rest of my team. Moreover, I took part in constructing the team website. Overall, I am happy with the way our team operates and with what we have achieved.

Nancy

This week I researched on the website requirements, summarised them and transformed them into sections of navigation bar in our website. I explored more on the professional website templates and improved the template created by Angela by adding some design elements to the page. Me and Angela worked together to deploy the project website to the UCL server. I also did further research on ReactJS and AngularJS considering the possibility of framework changes.

Angela

I have created a basic template of the website which is used for presenting information of our project and the reports. In addition, I did some reading to help me understand better about the ReactJS and worked with my teammates to launch the website.