TEAM 36: UCLH PEACH and Microsoft - Cancer Team

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Project Overview

In the last weeks, we established a full and clear set of requirements with our client for each subtask that our team is implementing. A MoSCoW analysis can be found below:

Priority \ Subtask	Authentication / RBAC	Internal Messaging	Collaborative Editing
Must Have	• Good security • Registration started by admin and sent by email invitation • Only admins can start a new registration • Integration with RBAC / ABAC • Forgotten password • Provide users with specific role • Admins can change roles if necessary • Roles provide different permissions and page flow on the website • Support for different roles in different apps	• Functional text messaging system between clinicians and patients • Functional text messaging system among clinicians • Group chat inside the web app • Storing history in a database • Different access permissions	• Multiple users must be able to edit the data simultaneously • The entered text must update in real time for all users • The input field must be available as a component that can be embedded on any form • A submit button which stores the input in a DV_PARSABLE data type field in openEHR
Should Have	• Change password in or other features in an user dashboard • Users can request registration or role change	• Access to patient records inside chat • Sending images and files. • Real time • Offline access to messages • Scalable to store terabytes	• Text formatting • Input should be saved with formatting • When a form is reopened, the previously entered text should be reloaded
Could Have	• Blockchain like authentication / IOTA technology for authentication, etc.	• Videochat • Integration with the ChatBot • Flexibility for creating mobile apps	• Marker indicating the cursor position of other concurrent users
Won't Have	• Simple registration option where user can directly sign-up	• Messaging between patients	• No need to see the previous editing history

We also conducted more research into our topics and came up with some good solutions to what we have to do and we are sure that in the following weeks we will know exactly what

tech we will need and we will agree on it with the client. Right now, we are experimenting some solutions on the Peach Azure subscription in order to test the feasibility of our ideas.

After these, we made changes to our project website accordingly and in order to display everything we have done so far: requirements, use cases and research.

Meetings summary

Meeting #1, Cruciform Building, 31st October 2016

Description: We met after deciding what to do with the Scenario Week Project, since we were in the same team there too. Had a short discussion about what we should do next, what everyone found in their research and what we should do until the next meeting: more research on the possible solutions available.

Meeting #2, Skype Call, 5th November 2016

Description: We discussed the research so far and decided that we should immediately clarify a full set of requirements with the client, which actually happened in the next meeting. We also defined a list of UI criteria so that the team that is doing the UI in the PEACH project can have a good understanding of what they need to create.

Meeting #3, Cruciform Building, 7th November 2016

Description: During the reading week we have focused more on completing the list of requirements for our project. We have defined them after a more in depth research, while asking the opinion and approval of our client. He agreed on them, so we finally had a list of fully defined requirements.

Meeting #4, Skype call, 12th November 2016

Description: At the end of reading week, we discussed about what should we add on the presentation website. We decided to add requirements and some of the research we did and we added new pages on the website accordingly.

Meeting #5, MPEB 8th Floor, 15th of November 2016

Description: Our team has met in order to discuss the progress of our components. Each of our team members has defined the use cases of our components and flow of our systems. We have also completed a MoSCoW Analysis for each of our components. Following the meeting, the client confirmed that they are ok, with slightly small changes from him.

Meeting #6, MPEB 4.06, 18th of November 2016

Description: Met during our lab session and presented our progress to the TA. We had our project reviewed and then discussed with the other teams which we are in a close working relation. We saw what they discussed so far and discussed about how we should further interact with each other.

Tasks completed and project progress

- Gathered all the requirements for each of our tasks

- Participated to different meetings in order to refine our requirements
- Created different use cases for all components and completed a MoSCoW analysis
- Updated our team website with the details of our project
- Conducted further research for the project
- **The project is running on time**

Problems to be resolved:

- Clearly have a list of technologies that are feasible for our project

- We need to actually design some parts of the system along the way

Plan for the next two weeks

In the next 2 weeks, we plan to have a clear idea of what initial technologies we might use based on the requirements. After that, we plan to design parts of the system and maybe do some tests to see how it works. We can also build some prototypes and test them properly. As for the management, we will still meet as much as possible, update the website regularly and we will try to discuss with the client a lot along the way.

Individual contribution

Ovidiu-Horatiu Ilie

Since the previous report, I have scheduled a series of meetings with my teammates and I also had a good relation with our client by trying to keep him up to date with our progress as much as possible. Moreover, apart from this, I created and confirmed with the client a clear set of requirements for my subset of tasks (authentication and role-based access control). After this, I created some use cases for my tasks, followed by a detailed MoSCoW analysis of the requirements. Lately, I had tried to research more on the technology stack that can be used and I also tried to test some of the options. Finally, along with my teammates, we updated the project website to include our latest information.

Georgiana Birjovanu

In the last three weeks I have updated the page with all the requirements for our team website. Regarding the project, I gathered all the requirements for the collaborative text editing, creating the use cases and MoSCoW analysis. After sending them to our client, these have been updated. Moreover, I have been doing more research about the collaborative text editing, getting a more in-depth understanding about the code and concepts behind the Firepad and Firebase technology. Finally, as a UI representative of our team, I have gathered different specifications for our three different components that have to be implemented, in order to discuss them with the UI Super Team.

Berat Baran Cevik

In the past three weeks, I created a list of requirements for our client to review and I adjusted the requirements considering his feedback. After clarifying the requirements for my part (Internal Messaging System), I created use cases and MoSCoW analysis of requirements to have a better understanding of how the development order will be. I continued my research on open source chat platforms and Azure. I also attended meetings with our team to discuss different aspects of the project including how our systems will integrate with each other and planning the tasks for the next two weeks. In the next two weeks, I will continue my research on open source chat platforms and I will pick one to start exploring it more in depth.