

Genomics

NHS & IBM

Bi-Weekly Report

12th October 2016

Group 34:
Keshav Aggarwal
Xunayi Liu
Costin Petrescu

COMP204P: Systems Engineering 1

Overview

During the last week, we met several times and sent an email to our client, Alan Fish - NHS, requesting a meeting and a summary of the project. Unfortunately, the client has said that they are currently unable to meet us this week but wants to set up a meeting for next week. They also provided us a business case about the current project.

Summary of Meetings

We have had 3 meetings among us during the last week since we were allocated into teams.

Thursday, 6th October 2016

We set up tools to ensure proper communication and coordinating workflow. We set up a Slack channel to manage all team communication. We created a shared Google Drive folder in order to manage all our reports and files. At the same time, we also set up a Trello board to keep check on our tasklist and integrate workflow. First thing, we discussed each member's weaknesses, strengths and plan how to work. Moreover, we were thinking to improve our coding skills and decide what each member of the group should start studying, to get all the knowledge that is required to be able to produce an optimal solution.

Friday, 7th October 2016

We met the Teaching Assistant assigned to us and Dr. Yun Fu who provided us with the project brief and our client's email for us to contact them. We discussed how we are expected to take the project ahead and what general roles each one of us will be particularly responsible for. We assigned the following team roles:

Deputy Team Leader - Xunayi

Client Liaison - Keshav

Technical Lead - Costin

Chief Editor - Xunayi

Chief Researcher - Keshav

Tuesday, 11 October 2016

The day after we have received the project business case from the client, the three of us met and went through it together. We shared some resources to learn about OpenEHR and Archetype Query Language(AQL) on the slack channel. Another fact that we covered was the method to find requirements and the question that we are going to ask the client at the meeting. As all of us had experience with MoSCoW method so we decided that we are going to build a diagram. So, in this way we can ensure that we understand properly what we have to do but also that the client will be satisfied with what we are going to focus on.

List of Tasks Completed

- Email the client
- Split the roles in the team based on strengths and experience
- Read the document provided from the client about the project
- Deliberated about the project at a high level
- Light research about the project to get an overview of what to expect.
- Find some questions that might reveal important information about the project

As of now, we are a bit behind track. However, we feel that we will soon be able to catch up to the ideal level of progress once we meet our client for the first time in the week ahead.

Problems to be Solved

- Meet with the client
- Set up the MoSCoW Diagram for the list of requirements
- Get familiar with the required languages and technologies to be used for the project

Plans for the Next Two Weeks

- Establish the requirements

-
- Read Head First Design Pattern to get familiar with important design patterns for potential future use
 - Create a workflow and set deadlines
 - Research the best way to reach the solution based on requirements
 - Research about Archetype Query Language (AQL) - Open Standard by OpenEHR and Bluemix - IBM Cloud

Individual Team Member Section

- Keshav Aggarwal
Over the past two weeks, I emailed our client to set up a meeting and find out the project specifications. I set up few tools for team communication and coordinating workflow including Trello and Google Drive. Following that I have started my individual research about OpenEHR Archetype Query Language (AQL) & IBM Bluemix. At the same time, I have started contemplating on what to expect from the client and thus what technologies we look forward to include in our workings and thus enforce them into a possible cloud application. Likewise, I have also started reading up on a few topics to enhance my knowledge including design patterns and advanced APIs.
- Costin Cezar Petrescu
Over the past couple of weeks, I have started to do my research both, about Archetype Query Language (AQL) - Open Standard by OpenEHR and Bluemix - IBM Cloud. I have tried to guess what the client would want us to develop so I can continue looking for what technologies fit best to build and how to implement them in a Cloud Application. Lastly but not least, I have started to read Head First Design Pattern, learn how to do automating testing and to how to create an advanced and performant API.
- Ashley Liu
Over the past couple of weeks, we assigned our roles according to the desires and strength of each member. After the first contact with our client, I have started researching about Archetype Query Language(AQL), Open standard by OpenEHR,

and IBM Bluemix to get an initial understanding. Since we don't yet have the full list of requirements, I have put my hands on general design preparation by reading Head First Design Pattern in order to help build my knowledge about the ways to create a flexible and effective application.