Bi-Weekly Report 3

18th November 2016

Team 1: Microsoft Capita Data Visualisation Project

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OVERVIEW

Over the past two weeks, we have continued researching web and data visualisation technologies to use in our project. We also had an online demo of the existing SIMS Discover desktop app that allowed us to gather the requirements for our web version and start planning how we will make the app. Our next steps will be discussing what to research with our client and looking for libraries that will help us develop our application.

MEETINGS

15th November 2016

During our weekly lab session, we discussed with Dr Dean Mohamedally and two of the Microsoft people the progress of our application and some ideas and resources that could help with the development of our app. They gave us a link to many different Microsoft resources and Dr Mohamedally gave us the idea of using Power BI for the data visualisation.

16th November 2016

We had a 45 minute online demo with James Randall and one of the developers of his team that helped develop SIMS Discover. The demo gave us a good idea of how the user interface for our web-based version of SIMS Discover should look like and of the functionalities the application will have. Towards the end of the meeting we discussed some libraries we could use in the application, such as chart.js for the graphs, dragula for the drag and drop functionality. We also dismissed the use of Power BI as our client thought it was not suited for SIMS Discover, which is concerned with exploring data and not producing final results.

17th November 2016

TASKS COMPLETED

- Had demo of current SIMS Discover desktop app
- Created MoSCoW of the requirements for our project
- Website created
- Met with Msc students who are also working with Capita

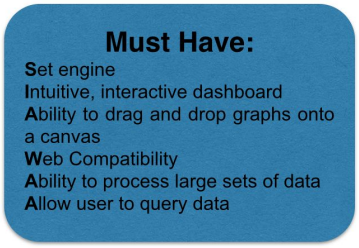
PROBLEMS

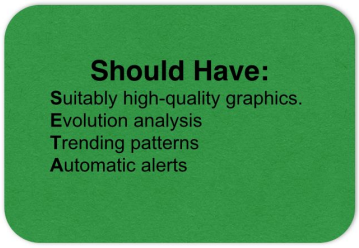
- Have to start experiments and do more in depth research
- Have to put website on the UCL server

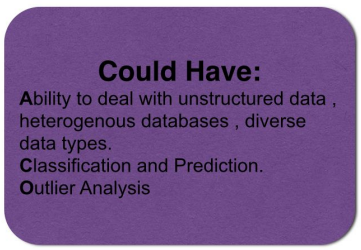
FUTURE PLAN

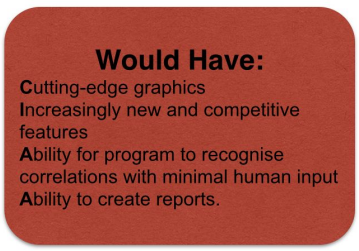
- Meeting with James Randall on 24th November to discuss research ideas that will help us with our project

MOSCOW DOCUMENT









INDIVIDUAL REPORTS

Carlota Ortega Vega

Over the past two weeks, I have been in contact with our client to arrange the demo and meetings. I have also been working on the website, continuing to add information to it about our project and uploading the current project-related files we have such as the bi-weekly reports to it. After our meetings this week, I have started to research the different libraries and tools we discussed, such as Power BI (although it was later recommended by our client that we should not use it), the chart.js library and the dragula library.

Fasbeer Eskander

During the past two weeks, I looked into some more tools that could be used for the project such as Power BI and looked further into typescript which might be the programming language we will be using. We also made the MoSCoW for the project which is to be discussed again with the client next week.

Bethany Graves

After it was established that the main challenge of this project would be to find a software that would both render graphs and charts with good quality graphics and allow the user to interact with, merge and compare data sets and drag and drop charts onto a canvas, I have been familiarising myself with various javascript packages, and seeing if it was possible to combine them into one package that solves every aspect of this problem simultaneously. These packages include dragula.js, interact.js and chart.js. I also created the first draft of the MoSCoW document which was then discussed with the team, and continued making progress with my Phaser.io research. Furthermore, on Wednesday 16th November I spoke to the MSc teams also involved with Capita to acquaint them with our project aims and progress so that they could fully understand where their work fit in with ours.