Bi-Weekly Report 3

27th February 2017

Team 1: Microsoft Capita Data Visualisation Project

Carlota Ortega Vega, Fasbeer Eskander and Bethany Graves

OVERVIEW

Over the past two weeks, we have continued working on the visualisation part of our application and adapting it according to the data format from Team 2. We have also continued researching how to zip and unzip files, as this might necessary if the data files from Team 2 are large.

MEETINGS

27th February

We met with Team 2 to discuss the format in which we will receive the data from their queries. Although the last information we had received from them was that the data would be sent as XML files, they have now changed the data format to JSON. We also discussed the scope of each of our parts of the project. Furthermore, we reviewed our current progress and planned a joint meeting within the next two weeks to work together on the joint application and link our two parts.

TASKS COMPLETED

- Connect to a sample online dummy database.
- Decided how to split the tasks between the visualization widgets to be used.
- Added algorithms for more charts in the UI.
- Created code for unzipping data from the web.
- Created code for connecting to Team 2's server (although cannot be tested yet).

PROBLEMS

- Linking UI to data received from Team 1

FUTURE PLAN

- Joining all the components of the application
- Meeting with Team 2 to work together on the application

INDIVIDUAL REPORTS

Carlota Ortega Vega

During the last two weeks, I have been working on adapting my existing code for the Venn diagrams and pie charts to take XML data as input. I carried out research on this and followed a number of tutorials to use XML data for D3.js. However, since I have recently found out that the final data format we will use is JSON, I am currently working on changing the code back so that it will parse through JSON data to create the charts. Furthermore, I am currently working on linking the code I have written for the charts with the UI, so that when a data point is dropped on the canvas, it will display the generated chart.

Bethany Graves

Since the last bi-weekly report I have begun focusing on the visualisation aspect of our project, as this seemed a more reasonable use of time than waiting to connect to Capita Team 2, as they are still working through problems and are not yet ready for us. This does mean however that my team members are more well-versed in D3 than I, I have had to spend some time acquainting myself with the java library first. This coupled with other commitments such as Scenario Week mean that my contribution has been low as of late, but I am expecting it to balance out over the next few weeks.

Fasbeer Eskander

For the last two weeks, i worked on creating an algorithm to visualize tables on screen. The problem i'm running into is what information will be included in the table and how to represent them. We have to further discuss with James from Capita on how he wants it to be represented. Also i've improved my previous programs to be able to receive the xml data which was being given by team 2's data server and visualise them on the graph. Because of the commitments for scenario week, i haven't been able to do much on that week. For the next few weeks, we will have to work together with Team 2 to know exactly what data will be available on the server and how the data will be sent to us so we know what to query on our program and how to present them on the charts that is being visualized on the app.