Bi-Weekly Report 4

10th March 2017

Team 1: Microsoft Capita Data Visualisation Project

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OVERVIEW

Over the past two weeks, we have continued developing the visualisation part of the application and also the general user interface. We have had meetings with both Yun Fu and Harry Strange to discuss the current progress of our project and our future plan to have a working but not final version of the application before the spring break.

MEETINGS

6th March

We have met with Yun Fu to discuss the progress of our application. During this meeting, we discussed alternatives for the user interface that could be both more user friendly and perhaps even easier to implement. However, our point of view was that these changes in the user interface might not meet the user's requirements, as in the initial stages of our project we had discussed with the client that our application would simply be a web version of their existing application. As a follow-up, we discussed these ideas with our TA two days later.

7th March

We had a joint meeting with Team 2 and our supervisor Harry Strange. The meeting gave us more information about how Team 2's web API works and how they are storing the sets. We also discussed creating supporting documentation for developers for our application, as our supervisor mentioned our application will likely be built on by a team next year.

TASKS COMPLETED

- Created data visualisations using data from a JSON file
- Created home page
- Created register, login and forgot password pages

PROBLEMS

- Linking UI to data received from Team 1
- Creating queries to correspond to the set operations carried out by the user

FUTURE PLAN

- Integrating visualisations into the user interface
- Implementing set operations so users can combine or reduce more than one data set
- Create database for user login credentials
- Meet with Team 2 to link both parts of the project
- Create documentation for the application
- Meet with Harry Strange in mid-April to discuss the progress of the project

INDIVIDUAL REPORTS

Carlota Ortega Vega

During the past two weeks, I have been working on developing the visualisation for Venn diagrams and pie charts and home and login pages of the web app. I had issues using data from a JSON file for my visualisation, but after Bethany merged my visualisation code with her code to obtain data from a JSON file we managed to get it working. In the past week, I have been working on creating a homepage and register and login pages for our web application. During the next two weeks, I plan on creating a database to store the user's login credentials. I also plan on integrating the visualisation with the toolbar and canvas with the other members of the team. I also created this week's bi-weekly report.

Bethany Graves

To date, I have successfully written code for connecting to Team 2's database, and merged my code with Carlota's code in order to generate graphs from external JSON data. My next task is to finish creating a working UI so that you can drag and drop from graphs from a menu, and drag and drop parts of two graphs to merge them into a venn diagram. We have different ideas for the UI and are considering creating two work throughs, one for each version of the UI, however this may not be necessary.

Fasbeer Eskander

For the last two weeks, I've worked further on adding bar charts and improving the look of the charts. I'm using dummy json data to form the graphs. For the next two weeks i'll be working

further to combine all our sections and provide the interface to view data across different years dynamically and use data from Team 2's Database.