CORS Advisor Project Report (Week10)

Our Vision

- To allow easy access to past reports of bidding statistics for all modules
- To provide sound advice on the minimum required bid point for a particular module
- To establish a comprehensive graphical trend of past year bidding information.

Problem Statement

- The application will generate a report in the form of a table that show a list of information including the quota, number of bidders, lowest bid, lowest successful bid, highest bid and account type for each semester.
- Students will be able to observe bidding trends to assess the demand of a particular module under the trends tab which shows them line graphs for information such as lowest bidding point and lowest successful bidding point.
- Students will be able to acquire information such as useful links and important notes under the advice tab. They will also be advised on recommendations on the bid points they should invest in order to secure the module through the information he has provided.
- All bidding statistics are extracted from CORS archives.

Design

- ✓ **Javascript Libraries:**
  - Frontend
    - W2ui
    - Twitter Bootstrap
    - Highcharts
  - Backend
    - GAE datastore

- ✓ **Python Libraries:**
    - ○ BeautifulSoup
    - ○ Jinja2

Roles and Responsibilities

Work is split by interface and database responsibilities. Otherwise, it is a group concerted effort. We also aim to achieve the following milestones by strictly abiding to the lesson plan:

- ✓ Week 3 – Mock-up of web application
- ✓ Week 5 – Data extraction
- ✓ Week 8 – Complete prototype
- ✓ Week 9 – Refinement and introducing of new features
- ✓ Week 12 – Complete application

Features of Prototype

- ✓ **CORS Bidding Statistics**
    - ○ Relevant past bidding statistics
    - ○ Search by module, faculty, semester and bidding round
    - ○ Currently only one semester of data as GAE has quota on data upload

- ✓ **Bidding Trends**
    - ○ Able to observe bidding trends by year
    - ○ Useful data such as lowest bidding point, lowest successful bidding point, highest bidding point and number of bidders

- ✓ **Advice**
    - ○ Useful tips on how to use the web app
    - ○ Gives advice on the minimum number of points the user should bid for

Project Log

- ✓ **Week 1**
    - • 16 hrs - Liftoff Workshop

- ✓ **Week 2**
    - • 2 hrs - Brainstorming and finalising project theme
    - • 3 hrs - Reading up on Twitter bootstrap

- 16 hrs - Mockup of application

✓ Week 3
- 4 hrs - 3min Video (Aims of Project)

✓ Week 4
- 1hr – Peer evaluation

✓ Week 5
- 2 hrs – Figuring out TrimQuery
- 3 hrs – Setting up javascript database

✓ Week 6
- 16 hrs – Prototype development

✓ Week 7
- 2 hrs – Update wiki and logs

✓ Week 8
- 2 hrs – Planning improvements and features to implement
- 4 hrs – Finetune UI
- 16 hrs – Improving search function and statistics display

✓ Week 9
- 20 hrs – Learning and implementing GAE datastore (to improve database)
- 16 hrs – Implementing trends tab
- 4 hrs – Implementing advice tab

✓ Week 10
- 3 hrs – Updating project wiki, log and report for final evaluation
- 5 hrs – Creating video for final evaluation
- 4 hrs – Bug testing
- 10 hrs – Refining prototype