

## **Pollstagram**

Work Diary: Nelson Rigby (z3329019)

### **20 Sep : Initial Background Preparation**

- Read up on Django web framework and other relevant web technologies (Amazon Beanstalk, Twitter Bootstrap, etc)

### **21 Sep: Initial Background Practise**

- Implemented practise polling app using Django that allows creation and display of simple questions. Used online Django tutorials.

### **22 Sep: Practise with Twitter Bootstrap**

- Read up on Twitter Bootstrap and integrated it into practise project

### **22 Sep - 30 Sep: Infrastructure Coordination with Team**

- Coordinated with team at semi-regular intervals over use of JIRA issue tracker, Amazon Beanstalk to deploy application, and Git for version control (hosted on Github)

### **30 Sep: Established Workflow + Configured Environment**

- Configured local environment (local settings file, required dependencies, etc) as needed
- Established workflow involved in adding changes to central, remote project (pull-push cycle).

### **1 Oct: Understanding HTML Templates + Static Content in Remote Deployment**

- Read background material on setting up Django / HTML templates and static content serving in the context of Amazon Beanstalk

## **2 Oct: OAuth authentication**

- Spent day reading up on how to integrate OAuth authentication (so users can log in to our system using credentials from popular social media websites)
- Partially implemented this (had to revoke implementation since we had other things to concentrate on)

## **3 Oct: Team Meeting**

- Met team in circular quay, spent several hours discussing project

## **10 Oct: Synchronised with Team**

- Discussed project status with team and brought local repository up to date with some new changes (new schema migration tool, etc)

## **16 Oct: Set up Basic User Registration**

- Investigated options for handling the registration process
- Integrated django-registration application for this purpose and provided set of basic templates (HTML pages rendered by Django).
- Allowed users to sign up for basic accounts and activate them via an email verification process (this only utilises the basic User model available through Django, so only a minimal set of user details are currently stored)

## **22 Oct: Implemented Pagination**

- Implemented basic pagination of question list (so that the question set is broken into subsets, with each subset displayed on a separate page)
- Read up on Django techniques related to this process

## **23 Oct: Implemented User Display**

- Implemented ability to view user account information
- Allowed viewing of questions asked and their popularity

### **24 Oct: Implemented Custom User Profile**

- Read about various approaches to extending the default User model provided by Django with additional fields
- Implemented custom User model (this involved understanding some more complex Django techniques like hooking into the signalling system)
- Worked with team

### **25 Oct: Spruiked Up Miscellaneous Components**

- Finished create account page style for custom user
- Added and polished a few minor UI features
- Worked with team

### **26 Oct: Coordinated with Team**

- Discussed tasks with team
- Supported the integration of related questions and other group issues

### **27 Oct: Added Edit Profile**

- Added basic infrastructure needed to edit custom user models (this actually involved understanding some fairly involved technical nuances of Django, since we were interfacing with a third-party registration app that didn't directly support custom user models)

### **28 Oct: Finished User Display and Sorting**

- Finished edit profile functionality
- Implemented display of custom user information
- Implemented display of a list of custom users
- Implemented ability to upload a display picture
- Implemented sorting of questions by custom criteria. This involved understanding complex accessing schemes between different types of linked objects. For

example, questions are associated with a number of partly decoupled vote objects, so sorting by number of votes is not as straightforward as ordering the question set by a direct field.

### **29 Oct: Synchronised with Team and Began Advanced Statistics**

- Began display of more advanced statistics (response by gender, etc), but it was decided that this functionality was out of scope and did not add sufficient value
- Coordinated with team in preparation of submission, including fixing minor bugs