ECS639 Group Coursework: An Online Newspaper

Group: Three students

Mark: 15%

Deadline: Week 12 (Friday 15 December)

Description: Your task is to develop a basic web application for an online newspaper using the Django framework. The site should provide the following basic functionalities:

1. News articles should be categorised into sections, e.g. Sports, Business, etc.
2. Users have the option of creating a personal account and are able to login and logout. The user should log in using their email address (which should be unique) and password.
3. The user's account should contain at least email, password, name and phone number.
4. If a user is logged in they are able to
   i. update their name and/or phone number
   ii. post comments on any of the news articles
   iii. delete a comment he or she posted previously
   iv. like or dislike any of the news articles

Outcome: Once fully tested, your application should be deployed to the school's openshift web servers (to be discussed in week 10). Each group should submit the **<u>code</u>** together with a **<u>one-page report</u>** describing one extra feature that goes beyond the minimal requirements above. Submit these as a single zip file. Remember to include in the report the URL of your deployed application, and the username and password for the admin page.

Marking criteria:

1. [10%] Application is deployed on openshift. DB is populated and ready for testing.
2. [30%] Basic functionalities implemented and fully working
3. [10%] Good modelling of the application data, making use of Django's ORM
4. [10%] Appropriate uses of Ajax
5. [10%] Code is well-written and appropriately commented
6. [10%] Django/python features fully explored
7. [20%] Extra feature included, and report succinctly and clearly explains the feature

Examples of extra features:

1. Extra functionalities
2. Use of MySQL instead of Sqlite
3. Use of cron jobs
4. Use of other frontend technologies AngularJS
5. Inclusion of a Web or REST API