Egon Janssen

Tim Merckens

Taco Smits

Aaron Kannangara

Assignment 1

Challenges in Computer Sciences

Assignment 1: Web Mash-up Design

What is our Web 2.0 about?

Our Web 2.0 is about providing the students in Leiden a forum to share pictures, stories and other posts. It will be designed to target the student population of Leiden who will visit the site for entertainment and to share things they find interesting and funny. Similar to sites like 9gag.com and Facebook, the students who visit the site will be offered the opportunity to post things on the site which they wish to share with the rest of the online world in Leiden.

Previous Work:

There are several sites and applications that provide a similar service. These include 9gag, Facebook, Instagram and Secrets. What will make this site different is that it is specifically targeted at the student population of Leiden, which will give the site a more focused perspective.

Technical Specifications:

Components that will be used:

* Login system
* Account system, which will be accessed by using the login
* Place to look at other account: a link which will allow the user to browse the upload pages of other users
* An upload system, which will allow the user to upload posts and share things on the site
* Search function, which the user can use to search for other users and posts
* A general site which will show all of the newest posts, this will be constantly updated by using AJAX.

Languages to be used:

* HTML: to build the pages the site will use
* CSS: to help design the pages for the site
* Javascript
* PHP: to help with the login system
* XML
* SQL: to help with the databases and login system
* AJAX: for uploading, and helping with automatic updating of pages
* API: to connect to Reddit, Facebook and 9gag, allowing the user to share things form those sites on this site

Sofware to be used:

* SQL
* PHP
* Notepad++
* A web browser, Chrome and Firefox
* GitHub

External data will be visualized in the form of posts, similar to Facebook and 9gag.

Data will be collected from users in the form of uploads for which the user will need to use a login as described above.

Planning Assignment:

Steps and who will be responsible:

1. Database setup – Tim
2. HTML and CSS – Egon
3. Integration basic site and database – Taco
4. Privacy license agreement – Aaron
5. API’s – Aaron
6. Login – Tim and Taco
7. Upload – Tim and Taco
8. Update by AJAX – Egon
9. Search engine for site – Aaron
10. Finishing touches and integration of everything – Everyone

Sharing of code will be done by using GitHub.

Testing of everyone’s code will be done by constantly refreshing in a web browser. As soon as we are done, we will test the code on a small part of the student body and allows this small part to evaluate the site by means of a survey.