4Rum

Platform to share knowledge for EECS Students

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About us:

1. Our team (Logan and Vuong) is interested in building 4Rum - a small social networking site for general use. The users will be able to build their profile after signing up and write posts on an open forum. A administration user can view users and their posts as well as delete posts.

2. Author background:

    2.1. Vuong is currently a sophomore in Computer Science. He has interests in Web development and have acquired basic knowledge in HTML, CSS, JavaScript, PHP and mysql database.

    2.2. Logan is currently a sophomore in Computer Engineering. His main interests are in server-side web development and maintenance. Logan has also worked with HTML, CSS, JavaScript, PHP, and has slightly touched Python.

More details about the project:

1. Overview:

1.1. 4Rum is a social networking platform for the users to share information on an open forum. The posts are stored into a secure database and only active members with log-in credentials can create new posts and read stored posts. The users will also be able to build their profile with basic personal information such as full names, contact information and major interest. The personal profiles are also visible for other active users.

1.2. 4Rum is built for general use from various topics. The users are able to clarify the topics in the title. This makes 4RUM be extendable by adding search and sort features to the website.

1.3. There is an administrative site for authorized users. These admins are able to view user lists, see their submitted posts and delete them in certain cases. Overall, admins have the control over the users and their posts.

2. Specific Goals:

2.1. Build a secured login system in PHP and mysql EECS server. Passwords need to be securely stored into database using hashing algorithm. Also, only the administrative users can have access to view and delete posts.

2.2. Set up relational database in mysql EECS server. "Users" table will have a primary key to refer to a foreign key in "Posts" table.

2.3. Users can edit their own profile. Some main categories are Full name, email address, Major, Interests. Admins can view user, view posts and delete posts.

2.4. Public posts from users will be displayed in the general channel/home page.

3. Extendable goals:

3.1. Currently 4Rum platform is under the vision of being a general used and open forum for all users. However, there are ways to narrow down the particular topics. There could be a list of certain "channels" to be engaged as a EECS student such as job opportunities, sharing classe information, collaboration for project, etc. This can be an interesting feature to customize 4Rum to lean toward EECS/Engineering students.

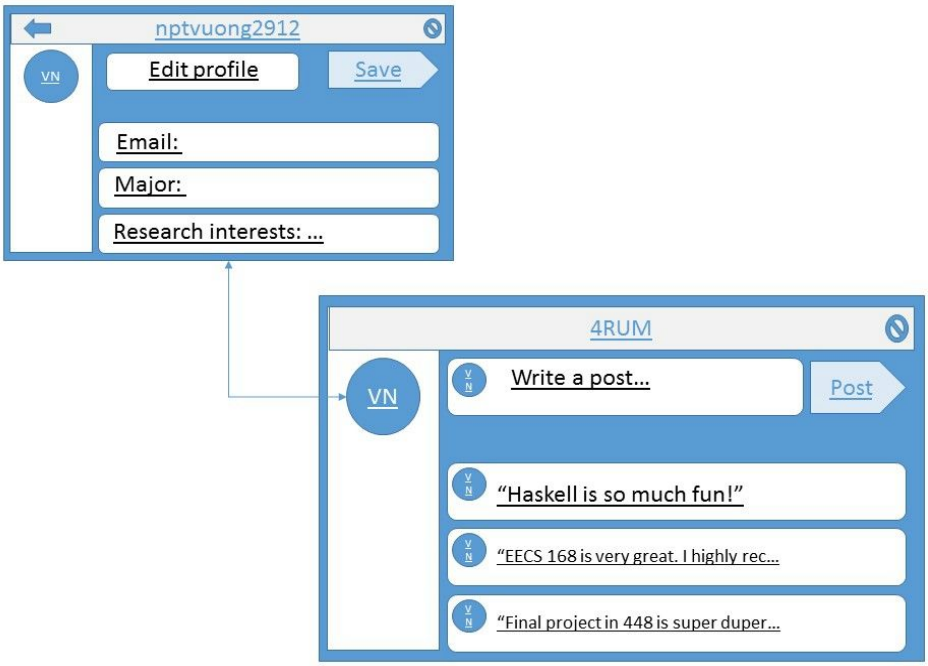
3.2. As the users are able to build their own profile, it can be a great way for students to connect for potential collaboration. This can also be extended to include many things in the user profile: Personal contact information, major, technical background, involvement, etc. It could be as a web profile to a full resume for job searching, similar to the idea of LinkedIn. The scale varies!

4. Implementation plan:

4.1. Platform/Technology:

- ➔ Use mysql EECS server for database
- ➔ PHP and AJAX call to communicate with the database
- ➔ JavaScript and some of its framework for the front-end implementation.

4.2. Front End design from user perspective:



Timeline and division of work

- Logan: Responsible for most of the front end: Styling the pages, use JavaScript to cross-check user inputs when signup or login, display the content of the pages.
- Vuong: Responsible for the backend. Set up database tables, use php and sql to store user information and posts, write functions to return data for display on the open forum.

EECS 368 – Final project

4RUM

Gantt Chart