Software Engineering

Educational Networking Tool
Group 8

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Requirement Analysis

1. Functional requirements
   1.1. Students
      - A student user can log in to the portal by making a profile on the website.
      - A student user can choose their areas of interest, which can be modified by the user whenever required.
      - The user can post a question in the discussion forum of a particular topic and can reply to other threads.
      - A student user can go on the project page and explore different opportunities in their area of interest. They can sign up for a project/research posted on the page.
      - A student user can upvote/like an answer to a thread.
      - A student user can view other profiles and can get access to information(like email id, contact) mentioned on the profile.
      - A student user can sign up for an email push notification for a particular discussion forum to stay updated.

   1.2. Professors
      - Professor can log in to the portal by making a professor profile.
      - Professors can create a thread for particular fields.
      - Professors can answer students' questions in the discussion forum.
      - A professors' thread which will be shown differently from other users i.e students in order to distinguish faculty/professor from students
      - A professor has the rights to post projects/research opportunities on the project forum.

   1.3. Admin

      - Admin can remove/ban any user (student/professor) for any kind of misbehaviour.

- Admin can edit/delete chats in the discussion forum
- Admin can approve student/professor accounts so that no fake account can be created.

2. Non-Functional requirements

- The website should be compatible with any browser such as Google Chrome, Mozilla Firefox, Internet Explorer, Safari etc.
- The website should return the search result entered by the user in less than 5 seconds.
- The user will have to login again every 24 hrs if he/she is not active.
- The forums will be updated automatically as a new thread is posted.
- If the user forgets his/her password. Then there will be an option for "forgot password" which will take the user to a window for the further process to retain their account back.

3. Domain requirements

- There will be basic information about students like name, academic year, branch etc.
- Along with the basic info, students can mention their areas of interests for better networking with their peers.
- Professor user domain will have basic information about professors like name, university, email id etc.
- Professors can mention the area of expertise.
- A professor can post in the project forum and can fetch the data of students who have applied for the same.
- Admin will have access to the database based on the end user's profiles and different forums.