

CSED GP Library

February 23, 2020

Problem diagnosis

Every year graduating computer science students look for different ideas for their graduation project. Also, every year new ideas in various fields are proposed and we believe that students should be able to reach those ideas and their details of documentation and implementation so they can use them as a part of newer and more efficient projects without the need to start from scratch.

Proposed treatment

We propose a web application represented as a library of resources for all previous graduation projects and for the upcoming graduation projects, students can upload their codes and their documentation. We also propose the web application as an open environment for communication and sharing experience between all computer science and engineering students.

The web application that we propose is credibility as each uploaded project will contain the author, the date, the sources, contact information and must have the permission of uploading from one of the teaching staff.

The main users that can be involved in this application :

- The Admin

The admin of the application can monitor the infrastructure of the application, monitor the performance, provide technical support and evaluate the structure.

- The teaching staff

These kinds of users will be the ones who give approval to any project for uploading, they also have the ability to post, comment and cite any project.

- Student

This user is a CSED student. He can upload projects with approval and add comments.

- Anonymous user

This user is anyone without an account to the application. He only can view the projects and the comments included in the application.

Plan of work

1. **First milestone :**

- a. Database :

- i. Initial design for database.

- b. User :

- i. Build a simple profile structure.

1. Projects

2. Papers

3. Basic information

- ii. Sign in/up.

- c. Main page :

- i. Navigation bar.

1. Sign In/up if not signed in

2. Profile.

2. **Second milestone :**

- a. Users
 - i. Teaching staff:
 - 1. Cite for projects
 - ii. General user:
 - 1. Add comments/questions.
 - 2. Upload new projects.
 - 3. Reference a teaching staff.
- b. Main page
 - i. Search functionality.
 - 1. By Doctor name.
 - 2. By student name.
 - ii. Most recent papers/Top rated.

3. **Third milestone :**

- a. Limit capabilities of different users.
- b. Admin user:
 - i. Approval for teaching staff accounts.
 - ii. Monitoring reports and complaints
- c. Send notifications to project owner for comments
- d. Approval for referencing projects
- e. Main page :
 - i. Search functionality.
 - 1. Title.



2. By field.

3. By year.

f. More informative user profile

