

BTP-2022

Group-2

Project Management

Team:

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Description

We will create a website for Professors and students of Daiict. Only Daiict students and Professors can log in to this website with the help of their Daiict G-Suite account. Professors will be able to login and add the projects and other details. This website will provide data for upcoming projects. Students will log in and apply to the projects in their areas of interest. Professors can either accept and decline the request of students after the selection process. Professors and students will receive notifications when a student applies, and the professor accepts/declines respectively. Students will be able to edit their profile pages. Students and professors will be able to manage their past and current projects. Users of this website are students and faculty mentors of Daiict college.

Functional Requirements

Student(daiict & non-daiict)

- Login
- Logout
- Profile
- about(instruction)
- Home page
 - Search projects and display all projects
 - Shows apply button

- My project
 - Display all projects(done/pending)
- Notification
 - When accepted

Professor

- Login
- Logout
- profile
- about(instruction)
- Create project
- Home page
 - Search projects and display all projects
- My project
 - Display all own projects with create project feature
- Notification
 - When someone applies

Non - Functional Requirements

- The non-functional requirements of the system are:
- The system should remain accessible 24x7.
- It should be a web application that should work with every web browser on PC and mobiles.
- The system should encrypt the passwords of all its users.
- The system should be able to send notifications to the User.
- The system should be capable of handling many user logins at the same time.
- Completed projects should be private.
- Visibility of our posted questions can be set to private, friends, and public.
- The website should be maintainable.
- Only daiict people should be able to log in.

Use Case

UC: Login using Daiict Google account

- Actors: Students, Professors
- Goal Description: Any Actor will be able to log in using their Daiict Google account.
- Pre-condition: Actor must be a Daiict student or Professor, and they have a Daiict google account.
- Post-condition: Actor will be logged in and will land on the home page

- Flow:
 - User Clicks the login button
 - Redirects to the google API
 - Messages Prompt displays the google account which is logged in their system.
 - When a google account is chosen, it checks if it is daiict mail or not. The user is redirected to the dashboard
- Alternate Flow:
 - Authentication fails, then google API closes, and the process is repeated

UC: Apply for a project

- Actors: students
- Goal Description: users will be able to apply for projects.
- Pre-condition: user should be logged in
- Post-condition: a student should see “requested” under a projects
- Flow:
 - User searches through a project using search bar
 - Users can learn more and apply for projects (can't cancel them)
- Alternate Flow: none

UC: Logout

- Actors: Students, Professor
- Goal Description: Any Actor will be able to log out using their Daiict Google account.
- Pre-condition: The actor should be login.
- Post-condition: user will be logged out
- Flow:
 - User clicks on the logout button
- Alternate Flow: none

UC: Accept/decline the request

- Actors: Professor
- Goal Description: professor should be able to accept/decline the request
- Pre-condition: student must have applied or the project
- Post-condition: a student should get the notification about accept/decline
- Flow:
 - User clicks on accept/decline button
- Alternate Flow: none

UC: Profile editing

- Actors: Students, Professor
- Goal Description: Actors can edit their profiles.
- Pre-condition: Actors have a profile.
- Post-condition:

- Flow:
 - User navigates to profile page
 - User clicks on edit button
 - Users edit info and then save it
- Alternate Flow:
 - If user wants to edit the profile info again, then click on edit button and then save

UC: Create a project

- Actors: Professor
- Goal Description: users can create a new project for students.
- Pre-condition: user should be logged in
- Post-condition: the project will be created
- Flow:
 - User clicks on create project button
 - User types in all information about project
 - Users can see project on homepage
- Alternate Flow:
 - If the user wants to edit the project info, click on the edit button and then save.