**Aim :** Write all functional requirements of your project.

**Group :**

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**Project Title :** Collage Portal

**Modules and Functional Requirements**

1. **Sign in/New Registration :**

* If user has an account then he/she can sign in using username and password.
* If user does not have an account then he/she can register.

**INPUT :**

User has to provide username and password in order to login or if the user is registering new then user has to create a unique username and password of their choice.

1. Username must be unique and password must be alphanumeric.

**OUTPUT :**

Registration successful message or home page if the user already had an account and was logging in.

1. **Profile/Permission control module :**

* This area contains profile and all the details related to user.
* This module controls the rights of a user according to type of the account from which user has signed in.

**INPUT :**

NIL (Automatically decided according to user details)

**OUTPUT :**

Permission grant/rejected (nothing will be displayed).

1. **Courses manager :**
2. **For teachers :**

* Teachers can create and update courses for students using this module.

**INPUT :**

Provide a new course name and brief description of the course, pre-requisite of the course, etc.

**OUTPUT :**

A course code and link will be generated that teachers have to provide to the students.

1. **For students :**

* Students can enrol in any course using the link/code provided by the teacher.
* Students can unenroll from any course.

**INPUT :**

Enter the unique code/link provided by the teacher.

**OUTPUT :**

Successful enrolment message.

1. **API module(GitHub) :**
2. **For students :**

* An API where students can work on their projects and repositories.
* A file management system will be there to manage the repositories.

**INPUT :**

Whatever task is given to the students this is the place where they can do it.

**OUTPUT :**

Students work will be saved online when he finishes it.

1. **For teachers :**

* Teachers can track progress of any student on particular project and also teachers can see their real time work.

**INPUT :**

Provide comment/feedback on any students work.(No output)

1. **Chatbox Module:**

* The tab from where teachers and students can communicate using text.
* A textarea will be there where they can provide text messages on a specific project.

**INPUT :**

Students have to select a faculty name from given list to communicate.

Teacher has to select id/name of a students to connect to the student.

**OUTPUT :**

Selected Faculty/Students window will be opened with a text feed.

1. **Classroom (Home) :**

* This is also the very first page(Home page) opened after logging in.
* Students can see the list of the subjects that he/she is currently enrolled in and they can access those subjects to see the submission or the tasks provided by teacher.
* When a faculty accesses the home page they can manage the work they have given to students only on their subjects, but faculty member can only see their course they cannot see all the subjects which students have selected.

**INPUT :**

This is the first page opened after logging in but if user has switched to other tab they have to select the **Home** tab placed at top.

**OUTPUT :**

User will be redirected to their Classroom page.

1. **Submission/file manager :**

* Students will have to submit a file (File may be of any type such as pdf,word,ppt,etc).
* This system controls file management part of the program there will be submission tab provided in the subject task submission area.
* Students have to select the file from their storage or import from API mentioned above and submit from here.
* After a student uploads their work then the file is visible online and available for download on the teacher side.
* The file is accessible online so online grading is also possible.

**INPUT :**

The students have to upload the submission file.

The teachers have to open the submission tab provided on the top.

**OUTPUT :**

Teachers can see the list of all the students who have submitted and the students who have not.

Files are available to download for teachers.

THANK YOU!