



COE3210763 & EEE3210763

Web Programming

Term Project

Spring 2021

For the term project, you will build a MEBIS-like website which establishes an effective communication platform among instructors, students and department secretaries.

MAIN PAGE

- An individual should be able to create a new account on this page.
- While creating an account, the following information should be entered:
 - First name
 - Last name
 - Username
 - Password
 - Account type (secretary / instructor / student)
- Without creating an account, no action should be possible on the website.

SECRETARY HOME PAGE

- Display this webpage after logging in with a secretary account on the main page.
- Create a secretary dashboard with the following page:

1. **Courses Page**

- Create a new course with the following information:
 - Course code
 - Course name
 - Course type (mandatory/elective): Select from a radio-box type control or a drop-down menu.
 - Course instructor: Display a drop-down menu populated with all the existing instructors in the department. This means that if an instructor did not create an account yet, his/her name should not be listed in the drop-down menu. Do not allow typing the instructor name in this field.
 - Course time during the week (The system should not allow more than one course to appear at the same time of the week)
- Delete a course from the current semester
- See and download the list of all courses in the current semester in xls or pdf to computer

INSTRUCTOR HOME PAGE

- Display this webpage after logging in with an instructor account on the main page.
- Create an instructor dashboard with the following pages:

1. Courses Page

- Show all courses assigned to the logged in instructor by the secretary for the current semester
- For each course, show its type (mandatory/elective), code, name, number of registered students
- For each course, see and download the list of registered students in xls or pdf format to computer
- Upload class materials to a course

2. Research Group Page

- See students of the logged in instructor in his/her research group
 - Display student ID, first name, last name, GPA, class, courses taken in the active semester for each student
- Approve/reject new research group join requests sent by students through the student's "join a research group" page

STUDENT HOME PAGE

- Display this webpage after logging in with a student account on the main page.
- Create a student dashboard with the following pages:

1. **Courses Page**

- Show all courses offered for the current semester.
- Show all courses taken in the current semester
- Add/drop a course created by the secretary for the current semester (display a drop-down menu for course selection)
- For each course, show its type (mandatory/elective), code, name
- See and download the list of all courses taken in xls or pdf format to computer
- See and download class materials for a course

2. **Join a Research Group Page**

- Display all the instructors with the following information:
 - First name, last name, research areas
- Send a join research group request to an instructor. In each request, provide the following information:
 - Recipient: Display a drop-down menu populated with all the existing instructors in the department. This means that if an instructor did not create an account yet, his/her name should not be listed in the drop-down menu. Do not allow typing the instructor name in this field.
 - Note: Allow writing a message to the recipient instructor.
 - Attachment: Allow attaching a student resume file with a button.

WHAT TO PRESENT AT THE MIDTERM DEMO

- The front-end side of your website should be ready.
- Your website design should be complete, and **you should NOT make major changes after your demo**. Use consistent colors, take into account contrast. Use proper font styles at proper sizes.
- The navigation among all your web pages should be complete. We will test ALL links and see if they work. Your menu should be consistent among all your web pages. **Whatever button or link we click on MUST give some sort of feedback**. This means that if we click on a button or link, it should take us some other web page or show some kind of informative message.
- **Please include dummy data wherever possible for all user types.** Since your website is not connected to any database at this point, we will not be able to add a course (as a student) or approve/reject a join research group request (as an instructor). Thus, you should include a few courses, a few join research group requests etc. in your HTML code so that we won't see any blank web pages. If you don't include such dummy data, we will not be able to test this part of the project and **you will lose points**.

WHAT TO PRESENT AT THE FINAL DEMO

- Both front-end and back-end sides of your website should be ready.
- The navigation among all your web pages should be complete.
- Functionalities regarding all types of users should work properly.
 - We will go through every single functionality for each user type. These include adding/dropping a course, creating a join research group request, approving/rejecting a join research group request and so on.