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
- The main page should include both a login page and a register page.
- If an individual already has an account, he/she should be able to login on the login page.
- If an individual does not have an account, he/she should be able to create one on the register page. Without creating an account, no action should be possible on the website.
- While creating an account, the following information should be entered:
    - First name
    - Last name
    - Username
    - Password
    - Account type (secretary / instructor / student)
- After creating an account, the website should take the user directly to the home page of the relevant user type, not to the login page.

SECRETARY HOME PAGE
- This webpage should be displayed after logging in with a secretary account.
- This webpage shows all the available courses 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)
- Create a new course by entering all the information listed above.
- Delete an existing course from the available course list.
- Download the list of all courses in the current semester in xls or pdf to computer.

INSTRUCTOR HOME PAGE
- This webpage should be displayed after logging in with an instructor account.
- 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 code, name, type (mandatory/elective), time, number of registered students
- For each course, 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
- This webpage should be displayed after logging in with a student account.
- 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
- For each course, show its code, name, type (mandatory/elective), instructor
- Download the list of all courses taken in xls or pdf format to computer
- 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.