**CS418/518 Project – Milestone 2**

In this milestone, you will build the course advising functionality.

**Functionality for Admin Portal:**

1. Import the Pre-requisite course that I have provided you in an excel.
2. Design and create the prerequisite form that allows admin to set prerequisites courses. The form should display courses from levels 100 to 491 and provide fields for the administrator to specify whether to add or remove the prerequisite. (something similar to that but create with great UI. It is just for the reference)
3. After the admin selects prerequisites, the system should update the database, accordingly, reflecting the changes made to the course prerequisites.

**Functionality for Student Portal:**

1. After student logged into the system, students should have access to a menu specifically for course advising, where they can view and manage their advising records.
2. Design and create the course advising page to display previously submitted records or indicate no records. Records will show in the list. You must show the below columns.

**Date Term Status**

03/03/2024 Fall 2024 Pending

10/05/2023 Spring 2024 Approved

10/01/2023 Spring 2024 Rejected

1. Develop a form for creating new course advising entries. This form should have three sections: *header, prerequisites, and course plan. A* header section for general information like the last term attended, last GPA, and current term; a section for specifying prerequisites; and a section for planning courses for the upcoming term.
2. Implement the *header* section with fields: Last Term, Last GPA, Current Term.

In this section of the form student can input their last term attended, last GPA, and current term.

1. Students should be able to *dynamically* add rows to specify prerequisites for courses they plan to take. Each row should have dropdown menus for selecting the course level and course name.*(In drop down only admin selected pre-requisite courses will be shown)*
2. Similarly, students should be able to dynamically add rows to plan the courses they intend to take in the upcoming term, with dropdown menus for selecting the course level and name.
3. Implement *rules* for course selection. The system should prevent students from adding courses they've already taken in the last term to their course plan.
4. After students submit their advising entries, the system should update the advising page with the new entry, indicating its status as "Pending".

**Additional Functionality for Admin Portal:**

1. Admin should have a screen where they can see advising sheets submitted by students in the CS department. The screen should display student names, UINs, and the status of their advising sheets.

**Student Name ~~UIN~~ Status**

Adam ~~01986654~~ Pending

John ~~01986655~~ Approved

Alex ~~01986651~~ Rejected

Kim ~~01986652~~ Pending

1. Clicking on a student's name should redirect the admin to a page displaying all the student's ~~previous and~~ latest advising records, with options to approve or reject. In case of rejection, the admin must submit a text message explaining the reason.
2. On submission of approval or rejection, the system should update the status of student records accordingly.
3. The system should send email notifications to students informing them of any updates to their advising sheet status.
4. Now students should be able to see the status of their advising sheet, whether it's pending, approved, or rejected.

**Submission**

Refer to the demo and the report deadlines on Canvas.