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CSCB20 Assignment 3 Report

Reizwan (Worked on 50% of the assignment):

- Worked on the front-end. The front-end features of assignment 3 consists of the login and signup pages, as well as the dashboard and feedback pages for both the students and the instructors.
- Login page includes text input for username and password and using jinja it displays incorrect username/password if incorrect authentication is inputted. The page also includes a button to log in, and a button to signup which when clicked, it redirects to the signup page.
- Signup page includes text input for full name, username, password, and a selection for the user type (student or instructor). The page also includes a button to signup which when clicked, it adds the information into the database.
- The dashboard for students consists of the assignment marks (including midterm and final) and remark requests. The assignment marks for a student user are just displayed using jinja (code inside of html), and the remark requests are made using the select tag to choose which assignment needs to be remarked, and a text area to provide reasoning on why the assignment needs to be remarked.
- The dashboard for instructors consists of the assignment marks for all the students (displayed using jinja) and a div that displays all the remark requests given the student username, assignment name and reasoning. The assignment marks are input boxes, because they can be changed and updated using JQuery.
- The feedback page for students consists of a drop-down menu for which instructor the feedback goes to, and a text area to write the feedback. Using JQuery, the feedback is submitted when button is clicked on.
- The feedback page for instructors just displays all the feedback that students have given to the instructor anonymously using jinja.

Jaden (Worked on 50% of the assignment):

- Worked on the back-end. The back-end is made using Flask.
- Implemented session authentication and authorization of different type of users (students, instructors) using Flask sessions.
- Created the necessary routes (feedback, dashboard, etc) to support operations that were required by both students and instructors.
- Implemented two jQuery functions that aggregate data from form fields (grade marks) and sends a POST request with the JSON data to the server.
- All routes achieved their proper behaviour by either updating or inserting into the database tables.
- Designed the database architecture containing all the relevant data.

We completed all tasks as per the instructions. Here are a few challenges that we ran into:

- Button styling (css)
- Sometimes the instructor dashboard is loaded before the database transaction completes when updating marks.