

Summary of Tasks Completed During Web Development

Over the past two weeks, our group worked collaboratively to develop an efficient and secure web application for the course. Through an equal distribution of our work, we worked on creating a user-friendly interface, implementing key features and focusing on user security.

Firstly, Tasfiah developed the homepage, registration and login features, which are the first pages a user will interact with. Upon opening the website, users are first prompted to choose between registration and login. When a user picks register, they can input their name, username, email and password. To allow for user security, the password inputted is then stored as a hashed password.. During registration, users are also prompted to choose to register as a student or an instructor. This will determine their access level on our website. If the user selects "login," they enter their registration information, as this data is already stored in the database, the schema developed by Tasfiah. In conclusion, the homepage, registration, and login features provide an efficient way for users to access the site.

Secondly, the student features, developed by Hanna, ensure a seamless and personalized experience on the course website. Upon login, students are shown a personalized message with their name, directly pulled from our database.. They may view their assignments, marks and the general information that is provided on the course website. However, to encourage user security, we placed proper authentication so students are only able to view their own data. Students also can request a remark on their assessment, which an instructor will then have the ability to review. Lastly, students can submit anonymous feedback. On the anonymous feedback page, students are prompted with different questions that they can fill out and to select which instructor they would like to direct their feedback to. In summary, these features provide a secure and personalized

experience for students. Additionally, Hanna made sure all of the new pages aligned with old styling, adjusting the dark mode pages for each of them.

Lastly, the instructor features, developed by Deepti, allow instructors to seamlessly access course information. Firstly, an instructor may view the student marks for each of their assessments. This allows instructors to monitor the students and their assessments. Instructors can also view anonymous feedback and remark requests received. They are allowed to mark the feedback as opened while keeping the student's identity hidden. Finally, instructors can enter student marks in a structured form. They are prompted to select the student, assignment type and the mark that the student received. In conclusion, these features improve instructors' ability to manage course data with ease.

One of the issues our team ran into, though, was adjusting the flask code to our preexisting CSS file. Additionally, using JavaScript to create a pop-up form made Deepti and Hanna run into a few issues, as we were having issues getting it to link to our database.

Overall, through our collaborative effort, our group was able to create an effective course application that was user-friendly and prioritized user security. For each of the website features, we designed them to ensure the application was well-suited for the needs of the different users while maintaining user privacy.