

CSCB20 Assignment 3 Report

Justin Zhang, Bill Jin, Nisith De Silva

We implemented a log in/sign up system using SQLAlchemy and Flask. It allows users to sign up as either a student or an instructor, and log in as both with a username and password. We integrated a logout button into the navigation bar. An important part of the student/instructor system is that students and instructors have access to different pages with different functionalities. Obviously, students must not have access to manipulating the grades table in the database.

Along with that, we implemented a grading/regrade request system which allows instructor users to grade assessments for student users as well as view, resolve, and approve requests from students. Students can view their grades for each assessment and submit regrade requests with a form integrated into the website. Along with their grades, students can see extra notes left by instructors to complement the grading.

We added functionality into the previous placeholder anonymous feedback form – it has specific, meaningful questions and records responses into the database. Students can submit this feedback from the Contacts page. Instructors can view this feedback which is organized by questions.

One feature which we wished to add was a feature for instructors to be able to add lecture information boxes, tutorials into the labs table, as well as boxes in general for other pages. However, we felt that this was not something we could easily accomplish without too many external sources and self-learning. Thus, we delegated this task to simply updating the source HTML for each page.

We opted to separate our work into distinct tasks in order to minimize clashing of contributions and maximize breadth of task completion. Justin handled the majority of the backend logic. Bill focused on the regrades and grades pages, as well as their design. Nisith worked on the marks and log in/sign up pages as well as their design. The remaining pages were finished in collaboration. We collectively agree that the effort distribution should be:

Justin: 50%

Bill: 25%

Nisith: 25%