Assignment3 Report

For this Assignment3, we worked based on the Assignment2 course website and added the login/logout/register, feedback, grades and remarking features.

Features:

Entering the website, we can see the home page with “Welcome to CSCB20 Website, Please Login or Register!” and two navigation parts: Login and Register. After entering the username, email, legal name and password, the user can register as instructor or student. The username and email are unique, if another person wants to register with the same email or username, they will get a flash error. The password in the database is hashed by Bcrypt so they are safe.

For the feedback, we built our anon_feedback page from Assignment 2 and connected it to the database so right now students can give any anon_feedback to any instructor in the database. On the instructor side, they are allowed to see all the feedback from students but they are not allowed to see who the feedback belongs to.

For the grade and remark part. Every student will be assigned 5 assignments (a1,a2,a3,midterm,final) and be set to need a remark to let instructors to mark it. If the student is not satisfied with the grade, they can send a remark request to request regrade. As an instructor, they can see all remark requests in the remark page and deal with them. After they give a new valid grade, it will not show on the remark page but teachers are still able to reach it on the student grade page.

We didn’t do much on the additional features like average or gpa, but we did test on the website to make the existing features work as well.

Obstacles we meet and how we conquered them:

At the beginning, we noticed that it is hard to use separate database tables of students and instructors respectively, and they share many features. Then, after discussions, we decided to combine instructors and students in one table and use an integer of 1 or 0 to denote whether it is a student or an instructor.

When we were doing the css responsible view, we found the old css from a2 is a little bit messy so it’s hard for us to build on it. We had many group meetings about this issue and reorganized the css. Then we made the same type of tags close to make ourselves organized.

We had questions about the title of each webpage. We directly posted questions on piazza and sought help from professionals after realizing that this problem might take a lot of time to work out.

We were not clear about the form html tags and how buttons react with the tags. We prepared questions in a notebook and then went to TA’s office hours to ask for some advice. We did not realize the beauty of creativity of this project until TA cleared our mind of rigid

ideas and formatting. It was also surprising that we met another group while queuing for TA's office hours. We all shared ideas of our designs and discussed obstacles that we met. After reviewing the grades and feedback for our assignment 1 and assignment 2. We realized several minor errors that we had and immediately corrected those for this assignment.

Distribution:

Zhitao Xu: the database schema design, grade and remark page and their connection with database, css to make the assignment responsive. 45%
Peijia Guo: the database schema design, anon_feedback page and teacher feedback page and their connection with database, session and request handling in app.py. 40%
Bhavajan Amarasingham: css changing, index and remark page, and testing. 15%