

B20 A3 Report

We ran into a couple of issues while working on our assignment 3 that affected our performance a little bit. In terms of the work breakdown, Dubem completed about 60% of the work, while Aleks did about 40%. The reason for this was because Aleks had a family matter where my father was admitted to the hospital earlier because he had slight trouble breathing (nothing too serious thankfully). Therefore, Aleks had to spend time taking care of some things around the house that he normally wouldn't do. In terms of the workload, Dubem focused heavily on the backend parts of the dashboard and login pages, while Aleks designed the frontend appearance and interactivity of the website. Due to the issue Aleks ran into, Dubem had to help finish up some of the frontend pages.

All in all, our web app seems to be functioning fine with all the tests we've run so far. The login page looks well presented, with the option to register as both a user or an instructor. After logging in, we have a new dashboard page with the options to view/submit grades, feedback, and remark requests based on if the account is a student or an instructor. We would have enjoyed adding more backend validation to our website. One of the things we noticed is that some input fields values could be changed locally in the html file, leading to some potential problems in the backend. While we created backend checks for values that would crash the program, users can still send any value to the server. We would have loved to use a backend library to fully monitor our forms, but that wasn't allowed per the assignment instructions. In order to properly validate our forms for any local user tampering, we would have to write a large library of functions, and we decided this wasn't in our best interest, given the time constraints and rubric.

In terms of extra features, we created a responsive mobile navigation bar using JavaScript. The functions are very simple, but they are a tremendous help in terms of improving the user experience.