TEAM Q
CLOQ
https://github.com/tmayrand/COMPSCI-326-TEAM-Q

Team Members:

Team Member Name:	GitHub Username:
Arun Dunna	adunna
Darren Farrelly	dfarrelly
Isabel Hagberg	ihagberg
Jane Tangen	onlyNexusHere
Shane Parr	sparr1
Troy Mayrand	tmayrand

Design Overview:

The authentication platform uses a custom written backend, as we wanted to separate the authentication user model ("AuthUser") from our application user model ("AppUser"). This backend first searches the AppUser database to check if the user exists and then verifies the password. If the password is correct, it then searches the AuthUser database for the user and if it doesn't exist, creates a user with no privileges, otherwise it returns that user. If the user isn't found in the AppUser database, it means the user may be an admin without an AppUser account. So, it searches the AuthUser database and checks if the user exists, and if so, then checks the password and returns appropriately the user or nothing if the password was incorrect. Additionally, if a user is already logged in and visits the login page, it will redirect the user to the dashboard.

The logout functionality uses the built-in user logout view (auth_views.logout) to sign out the user, and then redirects to the login page.

As for user interaction, we have established functional clock in/out functionality along with for the announcement system.

Problems & Successes:

Coming into the submission for this section of the project, it has become clear once more that our group consistently has issues in terms of member participation, and timely completion of work. Most of the heavy lifting was done within 24 hours of the deadline. In a similar fashion, we had a member of our group need to drop out last minute (more information on this in the individual writings below).

As for successes we've made significant strides toward completing Cloq. However, we are not as close as we could have been to finalizing and implementing all the functionality that we want to add, some of it still more behind schedule than it should be.

Team Choice:

One component our team is interested in implementing in our project is a way to export information from our database to an external file (IE a .pdf). One exact use we envision is for users to export a history of their work hours. In working toward this we have included a button on the bottoms of the user's settings page since the original mockup UI we produced for project 1.

Individual Writeups:
Arun – 30%:
I completed most of Part 1, including implementing the authentication support/custom backend and modifying some views in order to support the new custom backend. I also implemented some helper functions to assist in loading user data in views and with allowing users to interact with their data. I did the login/logout portion of the design overview writeup as well. I did probably close to 30-35% of the work in this section, based off of the point assignments (ex. 35 points for Part 1 is 35% of the project).

Darren – 14.75%:
On this project I was working on the user interaction with forms part of the project. The form we set up was an announcements form, where users can create announcements to be visible for the entire organization. Only users who are administrators have the option/permissions to create or delete these announcements.

Isabel – 00%:
Note: This member of our team did not submit any code to our repository during the window of time between project 2 and project 3. Nor did they provide any description beyond a brief message shortly before the project3 deadline. We are recommending they contact the instructor accordingly.

Jane – 17.5%:
I fixed views when it broke, I walked serveral people through the project, and I worked through the forms in user_dash.

Shane – 14.75%:
I think I did about 12% of the work. I finally finished the admin_schedule views, and drastically simplified the logic. I started working on the availability function, but the logic is complicated and I haven't finished it yet. I ran into a lot of troubles with the way we were representing intervals (as progress bars), but I think I'm finally starting to figure this out. I also walked Isabel through a good git workflow, but it took a while and we didn't end up getting any code committed that day. I spent about 5-6 hours overall working, which could have been more.

Troy – 23%:
I originally going into this section of the project was supposed to work on the login/out functionality of our application along with Arun. Our implementation of authentication quickly left territory that I was familiar with, and he did a lot of the heavy lifting in this section. Prior to the massive redirection of our approach I did some initial work on the login/out pages to meet basic functionality. I also compiled the writeup, and submitted the project on Moodle and GitHub.