Project Summary

Degree of Completion

Within the scope of our project, we compiled over 21 use cases totaling 33 user stories. Needless to say, it took an exhaustive effort to progress, but I can confidently say we worked through and completed all of these functionalities as defined in the specification. Most notably, we ensured a proper Client Application, Admin Application, registration, login, and logout capabilities, along with connect and disconnect buttons, query functionality, and full password reset and recovery options. All of our team members put in great effort.

Work in Progress

Although we did manage project completion within the expected class time frame, the only important issue that we felt was necessary to highlight was testing. We created our test plan document, but did not formally attempt each test one by one. Instead, we actively tested throughout development to ensure functionality. However, it is preferable that in the future we can ensure the code and system are of bulletproof quality.
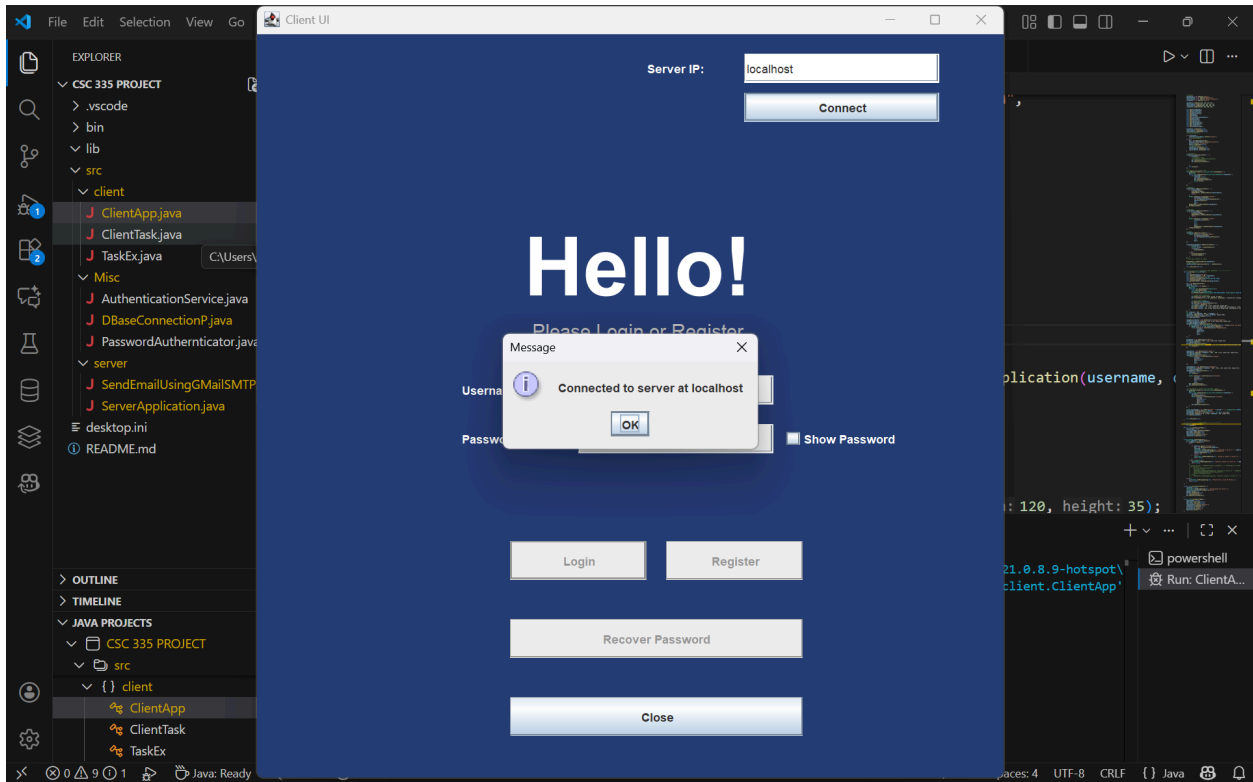
Additionally, we felt that it mattered to point out that following the design phase, we made some calculated steps to increase efficiency in our final structure by integrating the Client GUI into the Client Application class rather than leaving it as a standalone class. There were a few minor naming and structural differences between the final class diagram and the implemented classes, mostly due to the natural evolution of the project. The authentication flow and certain helper classes were simplified relative to their abstract representations in the diagram, and some components, such as the Email and Authentication services, were implemented in a more streamlined manner. However, these adjustments did not alter the intended behavior of the system, and all core responsibilities and interactions outlined in the original design were fully preserved in the final implementation.
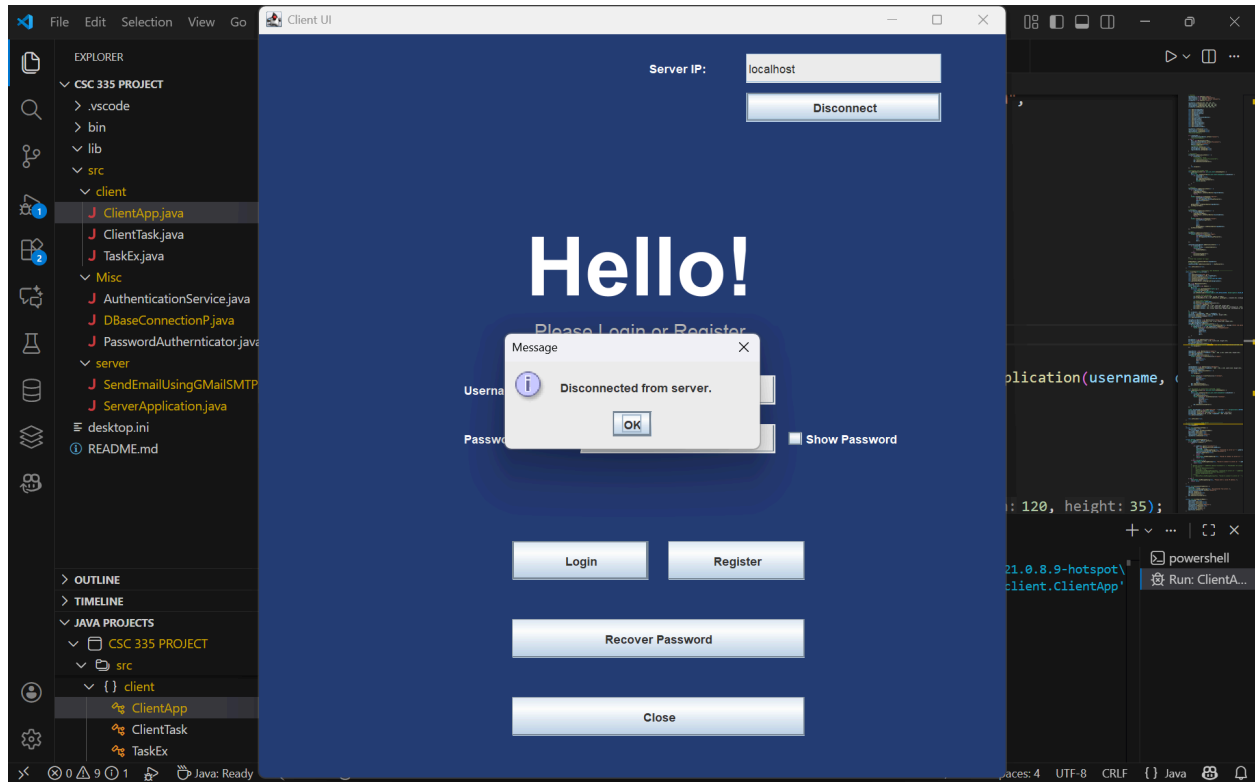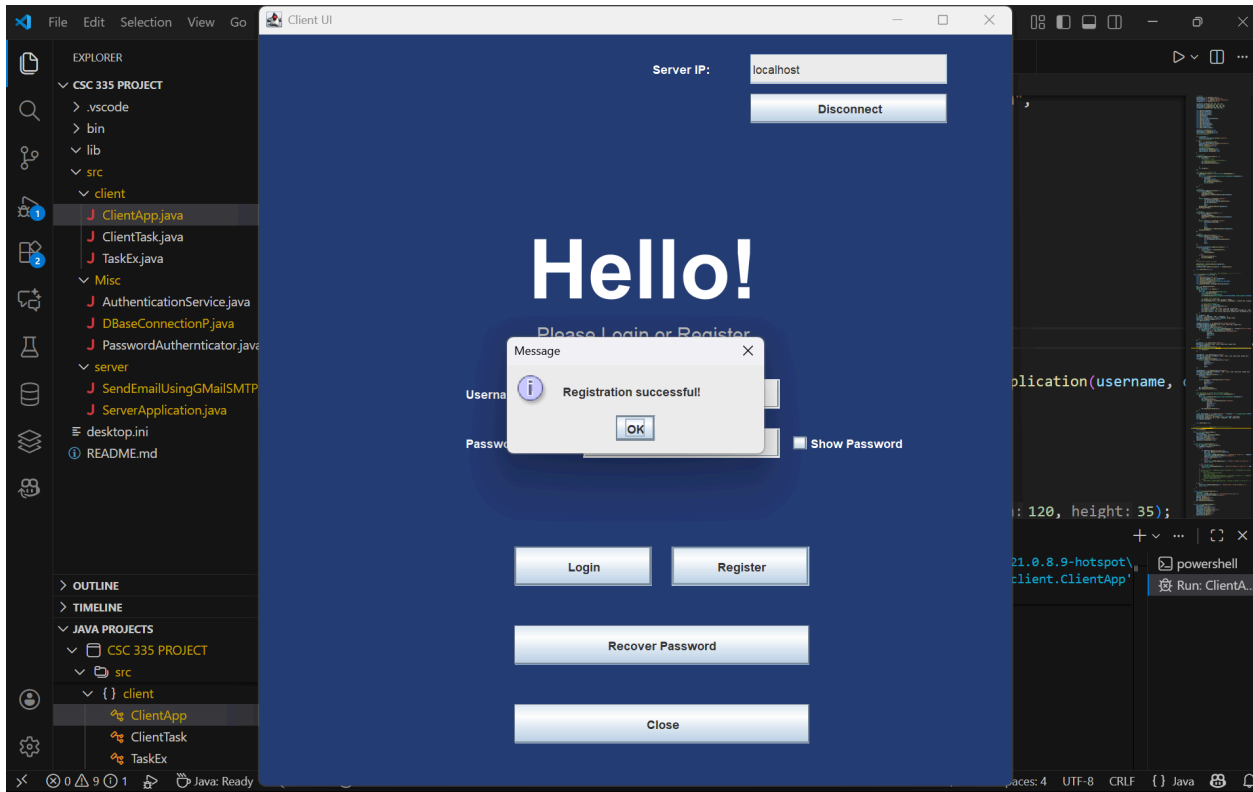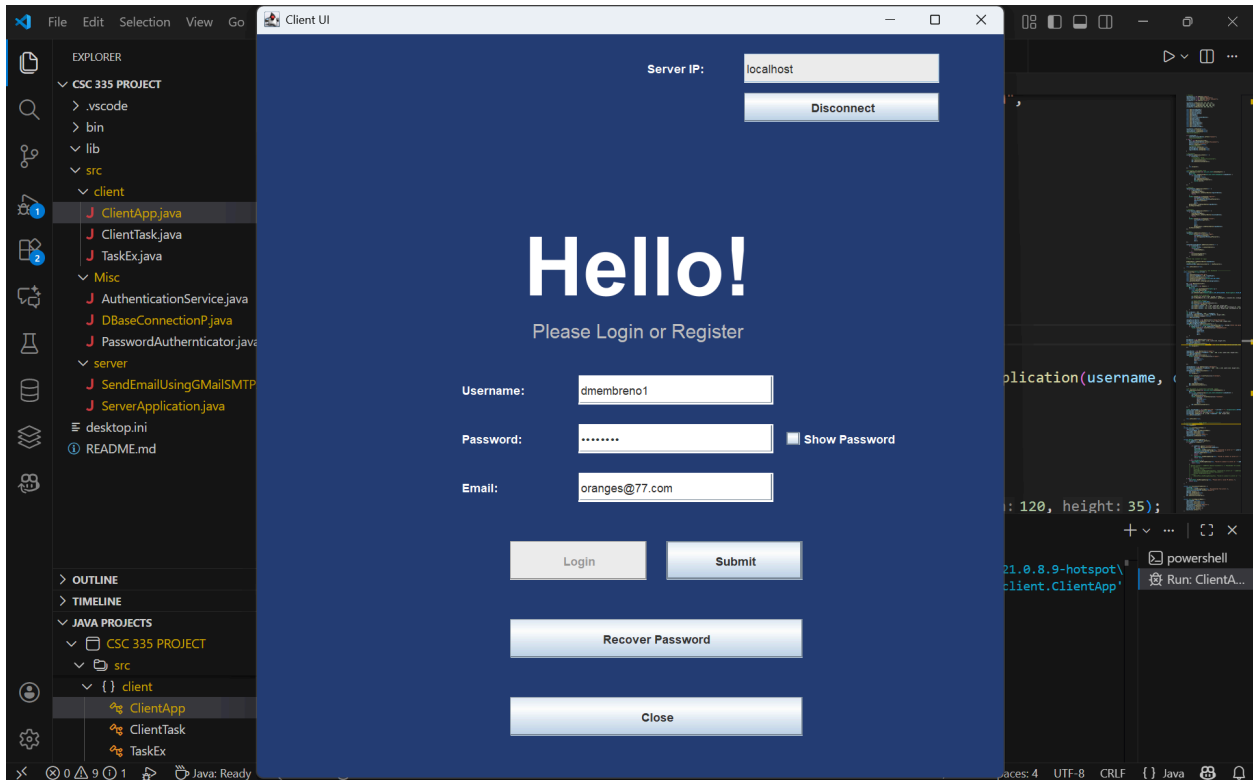
System Screenshots

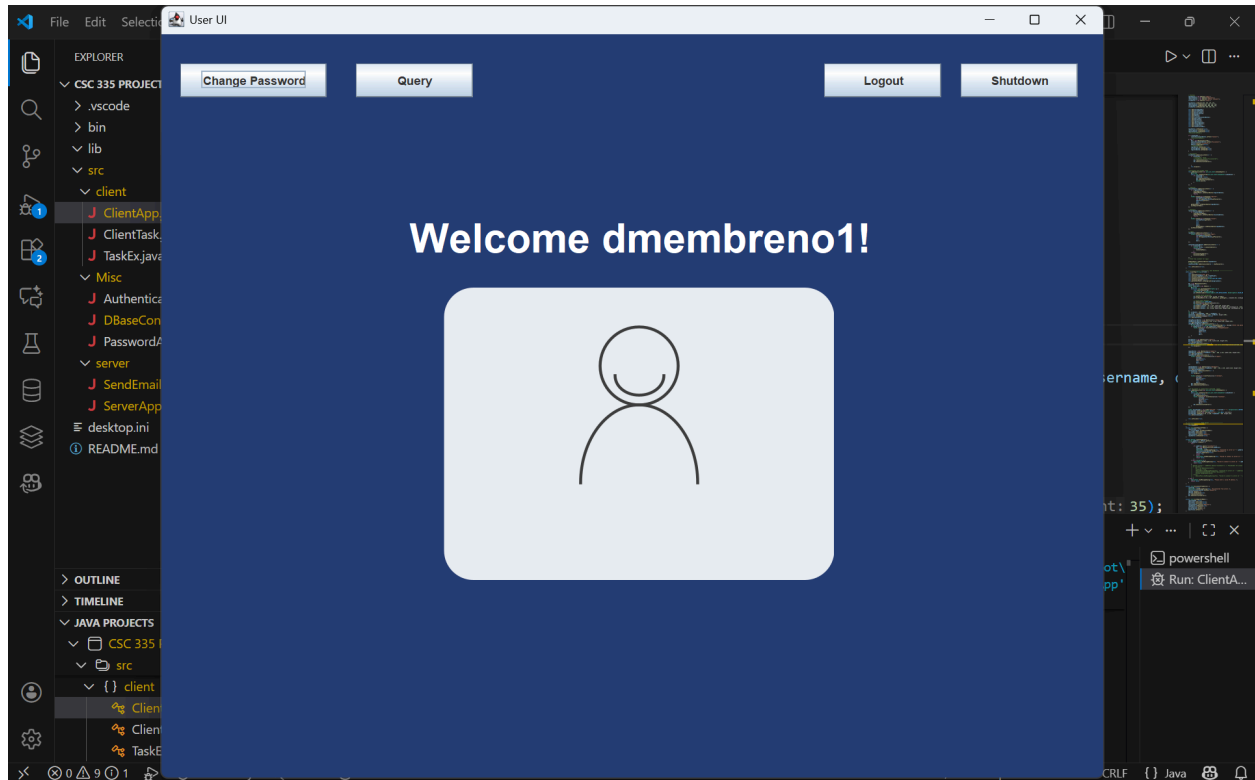## Client Application Main GUI
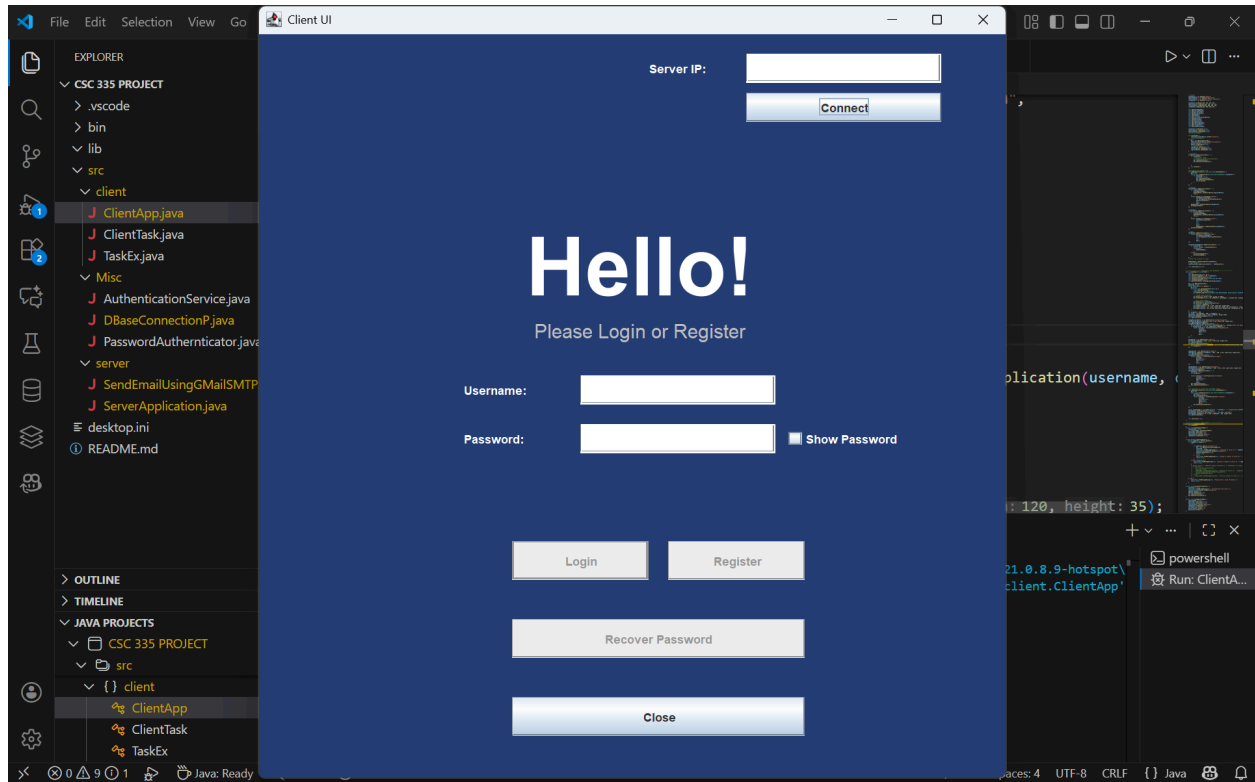
Connect

Disconnect

Register

Logged In Screen

Change Password   Query   Logout   Shutdown

Welcome dmembreno1!

Admin Panel
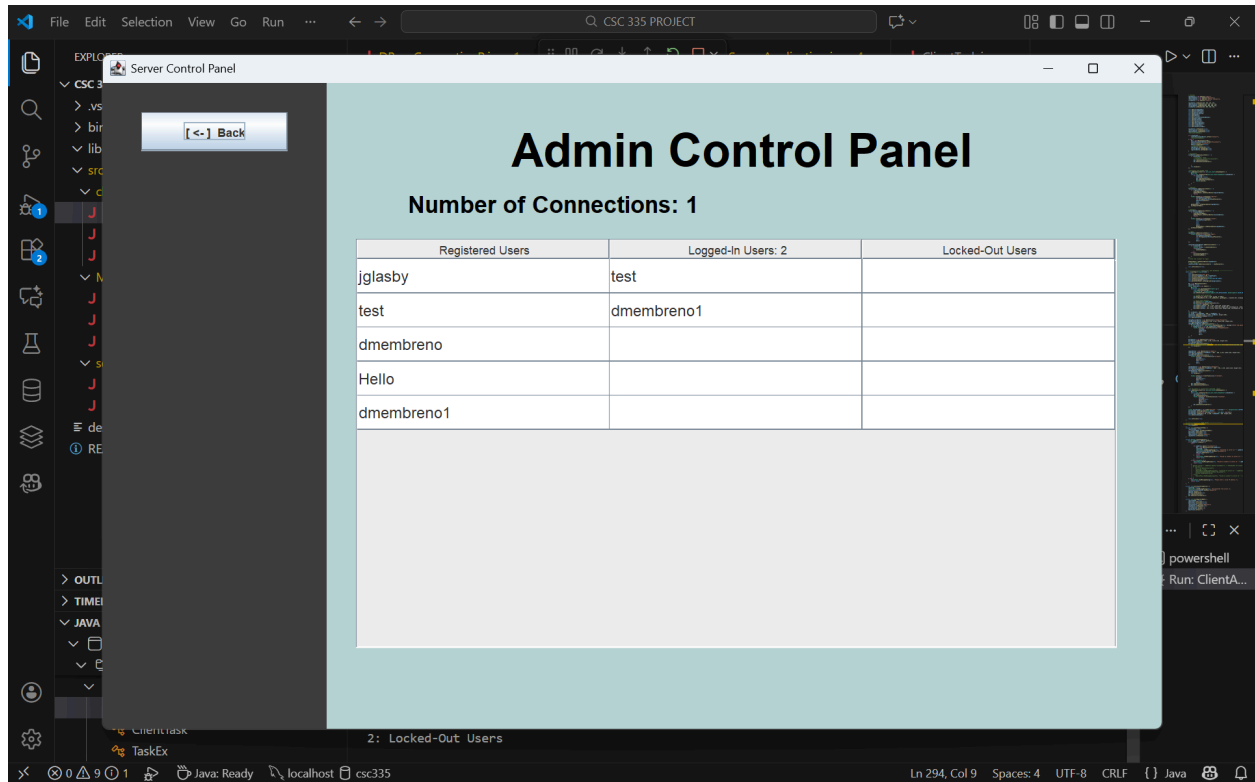
Account Login Fail and Lockout