

(a) General overview of system and user guide

Javin Drive is a database application that allows users to drive other members or take rides from other members.

User Guide:

Help - shows the commands available.

Quit - exits the program.

Login - logs the user in if the username and password are correct.

Register - registers the user for a new account.

Logout - logs the user out if the user is logged in.

Offer ride - allows the user to offer a new ride.

Search ride - allows the user to search for a ride, and when the user selects a ride, sends a message to the user who offered the ride.

Post request - allows the user to post requests

Delete request - allows the user to delete a request made by the user.

Take request - allows the user to take a request made by another user.

Book members - allows the user to book a member onto a ride

(b) Detailed design of software

First we focused on the main screen, then we implemented functions that would be used by multiple requirements. Finally, we worked on the requirements one by one to make sure that it works.

(c) Test strategy

After editing and saving our changes, we would test the program to see if it still functioned, after that we tested the individual requirement functions by both inserting data and seeing if it responded or using the functions to see if it changed the database to our liking.

(d) Group work breakdown strategy

For the group work breakdown of this mini project. William developed the main structure of the software, including the login/registration and menu features. William also developed the location search function and functionality #1. Javin developed functionalities #2, #3, #4, and #5. The code was based on what William had developed for functionality #1 and the location search function. William concludes this mini project by testing the application's functionalities. Github was used to cooperate on this project.