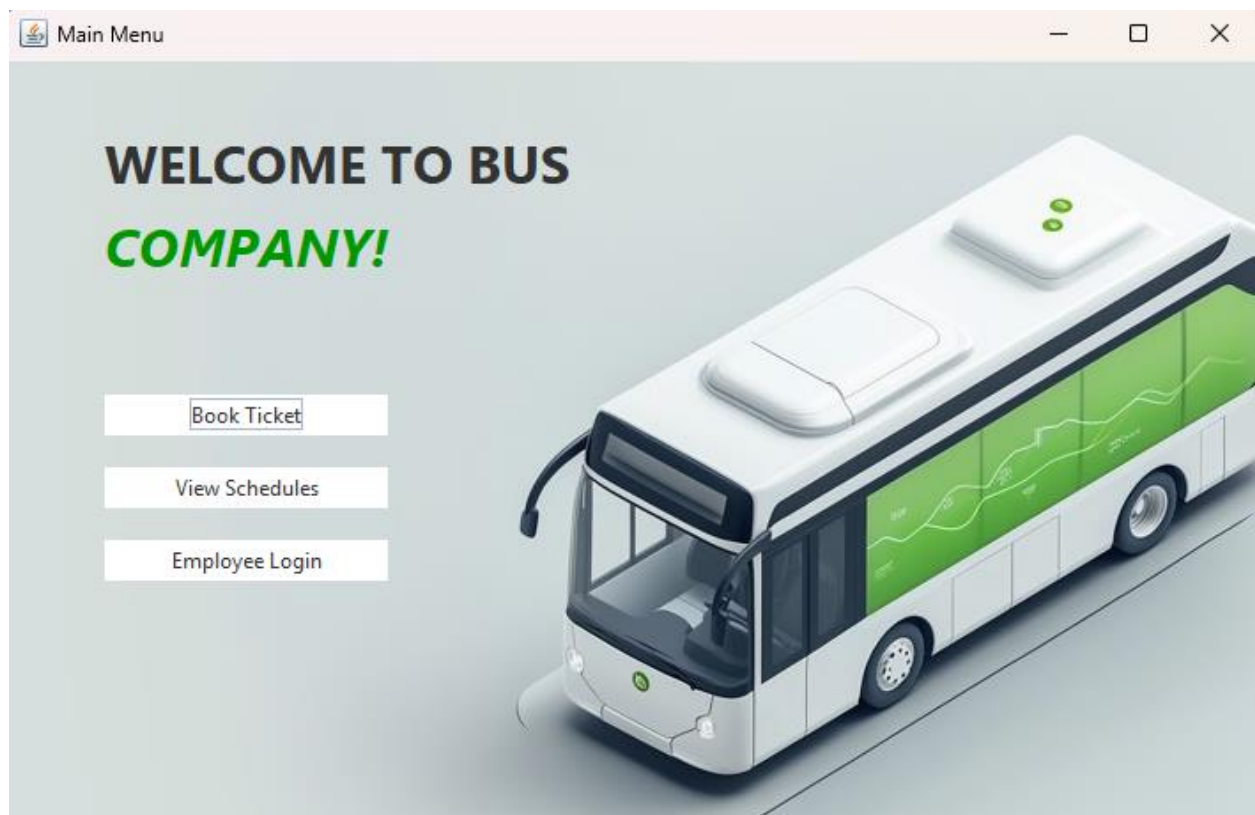


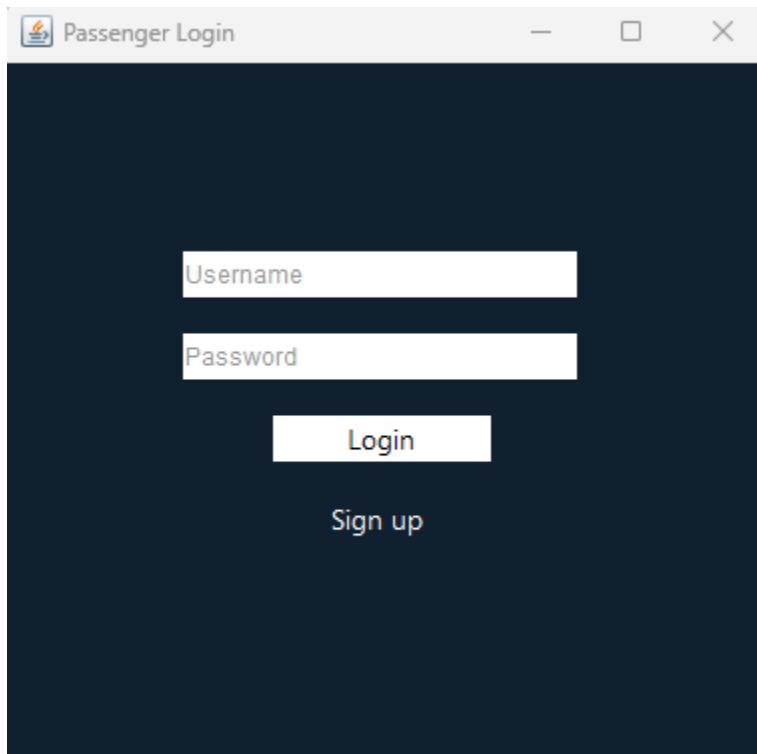
User Guide

Main Menu

The main menu has three buttons to help you navigate to the different parts of the program.



Book Ticket

A screenshot of a web browser window titled "Passenger Login". The window has a dark blue background. In the center, there are two white input fields: the top one is labeled "Username" and the bottom one is labeled "Password". Below these fields is a white button labeled "Login". At the bottom center, there is a link labeled "Sign up" in a lighter blue color. The browser window's title bar shows standard minimize, maximize, and close buttons.

This will open the Passenger Login window. Here you can log in or sign up for a new account.

Use this to log in:

Username: preciouso@gmail.com

Password: friends

This will take you to the Passenger Dashboard

Passenger Dashboard

Passenger Dashboard

Welcome Precious Onojerame

Select a schedule to book a ticket:

View Ticket History

Update Profile

Book Ticket

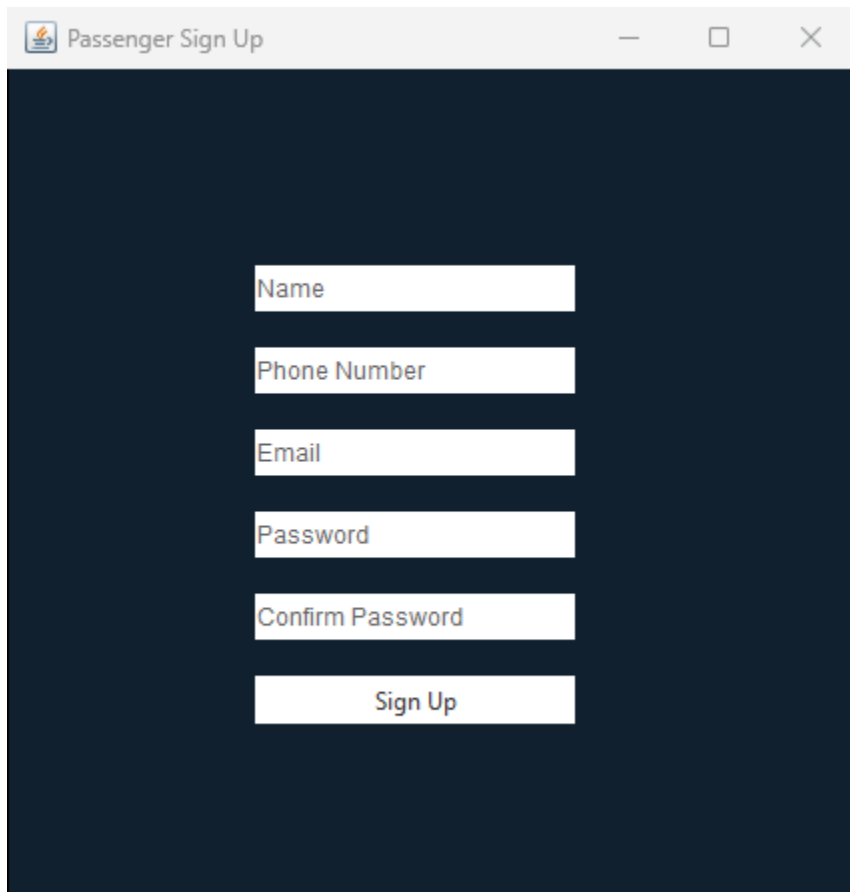
Logout

| Name | Route | Start Time | Departure Time | Stops |
|-----------------|----------|------------|-----------------------------|--------------------------|
| Morning | Downtown | 08:30 | 08:50, 09:00, 09:50, 10:... | Main St & 6th St, Bro... |
| Evening | Downtown | 15:00 | 15:50, 16:00, 16:50, 17:... | Main St & 6th St, Bro... |
| Afternoon | Downtown | 12:30 | 12:50, 13:00, 13:50, 14:... | Main St & 6th St, Bro... |
| 7th Ave Morning | 7th Ave | 08:00 | 08:20, 08:40, 09:00, 09:... | Washington, Van Bur... |

Here you can View Ticket History, Update Profile, Book Ticket, or Log Out.

If you log out to the main menu, click Book Ticket again, and at the Passenger Login, click Sign up instead of log in, it will take you to the Passenger Sign up window.

Passenger Sign up

A screenshot of a web browser window titled "Passenger Sign Up". The window has a dark blue background. In the center, there are five white input fields stacked vertically, each with a label: "Name", "Phone Number", "Email", "Password", and "Confirm Password". Below these fields is a white button labeled "Sign Up". The browser window's title bar is visible at the top, showing the title and standard window controls (minimize, maximize, close).

Passenger Sign Up

Name

Phone Number

Email

Password

Confirm Password

Sign Up

Enter your information in all the boxes and click Sign up. You should now be able to sign up with your email as your username and the password you entered to book a ticket.

Back at the main menu, if you click View Schedules, it will open the Today's Schedule window

Today's Schedule

| Today's Schedule | | | | |
|------------------|----------|------------|---|--------------------------------------|
| Name | Route | Start Time | Departure Time | Stops |
| Morning | Downtown | 08:30 | 08:50, 09:00, 09:50, 10:00, 10:50 | Main St & 6th St, Broadway & 6th ... |
| Evening | Downtown | 15:00 | 15:50, 16:00, 16:50, 17:00, 17:50 | Main St & 6th St, Broadway & 6th ... |
| Afternoon | Downtown | 12:30 | 12:50, 13:00, 13:50, 14:00, 14:50 | Main St & 6th St, Broadway & 6th ... |
| 7th Ave Morning | 7th Ave | 08:00 | 08:20, 08:40, 09:00, 09:20, 09:40, 10:... | Washington, Van Buren, Roosevelt... |

This window shows the available schedules with information about the route, times, and bus stops. Go back to the main menu and click employee login. This will take you to the employee login window.

Employee Login

Employee Login

Username

password

Login

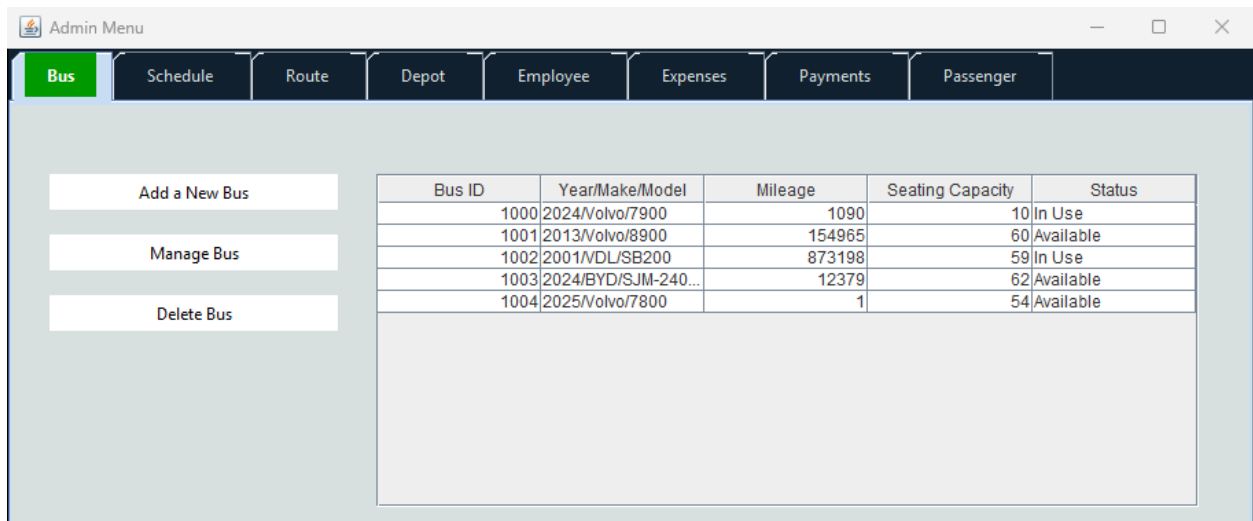
Here you can log in as an admin or as a driver. To log in as an admin use:

Username: JohnDoe@buscompany.com

Password: password

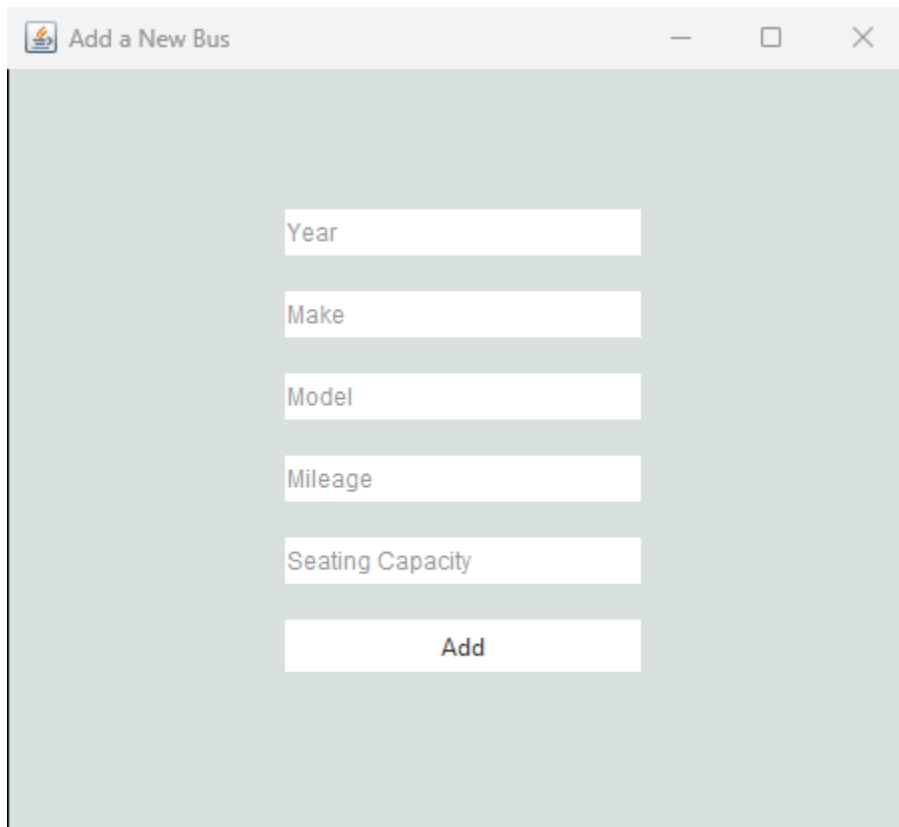
Click on login. This will take you to the largest part of the program, the Admin Menu window.

Admin Menu



The admin menu is a tabbed window where you can create, modify, remove, and search for all the objects in the program. Let's start with Bus. To add a new bus, click on Add a New Bus. This will open the Add a New Bus window.

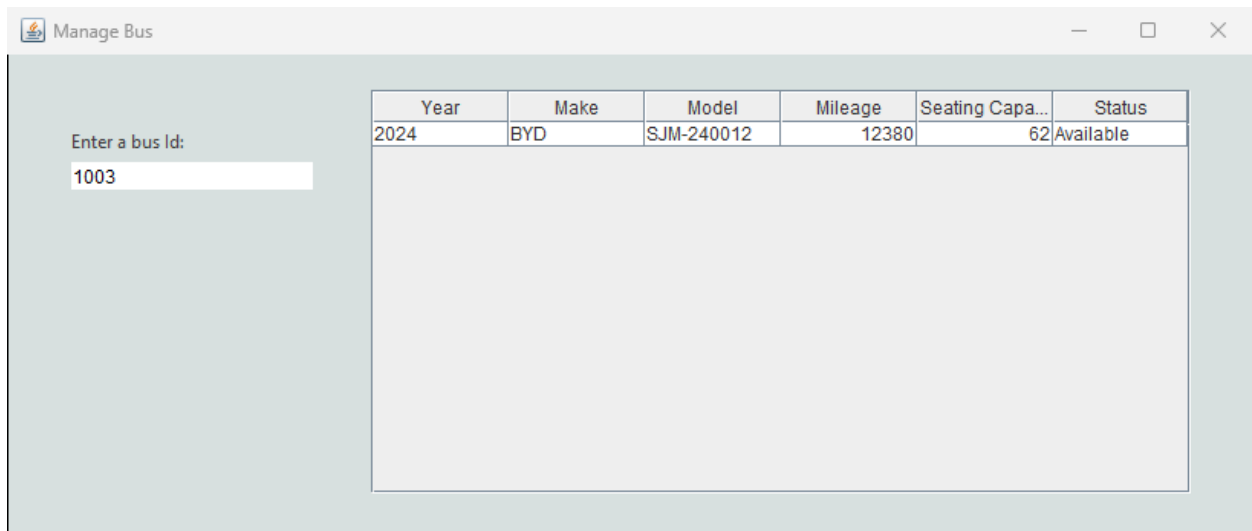
Add a New Bus



The screenshot shows a window titled "Add a New Bus" with a standard macOS-style title bar (red, yellow, and green buttons). The window has a light gray background. In the center, there are five white input fields stacked vertically, each with a label in gray text: "Year", "Make", "Model", "Mileage", and "Seating Capacity". Below these fields is a white button with the text "Add" in bold black font.

Enter the information for a new bus and click on Add. Year, Mileage, and Seating capacity should be integers. Make and Model should be Strings. The window will close, and the new bus will be added to the table. Click Manage Bus to edit a bus. This will open the Manage Bus window.

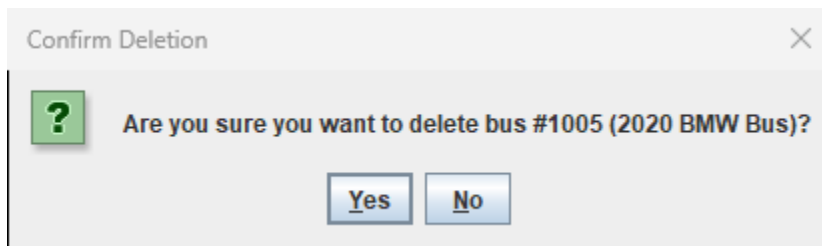
Manage Bus



| Year | Make | Model | Mileage | Seating Capa... | Status |
|------|------|------------|---------|-----------------|-----------|
| 2024 | BYD | SJM-240012 | 12380 | 62 | Available |

Enter a Bus ID in the window to search for a bus. The Bus IDs are integers. Enter a bus ID, try “1003” and hit enter. This will load the bus into the table. Here, you can double-click on Mileage, Seating Capacity, or Status to edit those values. After you edit the values, hit enter, and the bus table will update.

Delete Bus



Confirm Deletion

Are you sure you want to delete bus #1005 (2020 BMW Bus)?

Yes No

Back in the admin menu, if you click on a bus in the table and click Delete Bus, it will delete the selected bus with a confirmation pop-up window.

Other menus

The other menus work the same for adding, editing, and removing objects. Here are the expected inputs with examples for the other objects:

Schedule

Name: String “Morning”

Route ID: String "R-1000"

Depot ID: Integer "1000"

Start Time: Double "8.30" Use a decimal instead of a colon. 8.30 not 8:30

Departure times: String "8.0, 8.20, 8.40"

Route

Route ID: String "R-1000"

Route Name: String "7th St"

Stop Name: String "Washington St"

Distance to Next Stop: float "1.0"

Assigned Bus ID: Integer "1001"

Depot

Address: String "234 W 2nd St"

Employee

Employee ID: String "A-1000"

Name: String "Jon Doe"

Job Title: String "Admin" Needs to be either "Admin" or "Driver"

Email: String JohnDoe@buscompany.com

Phone number: String "5556124564"

Salary: Float "40500.00"

Expenses

Cost: float "500.0"

Payments

Payment ID: Integer "1000"

Name: String "Robert Smith"

Cost: float "3.0"

Passenger

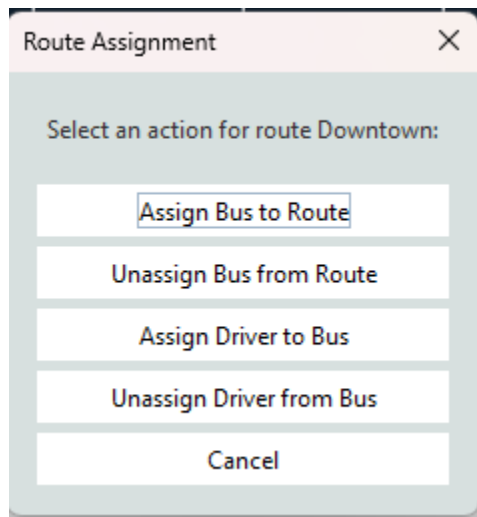
Passenger ID: String “P-1000”

Name: String “Robert Smith”

Email: String Robert.smith@gmail.com

Phone Number: String “5052314543”

Manage Route Assignment



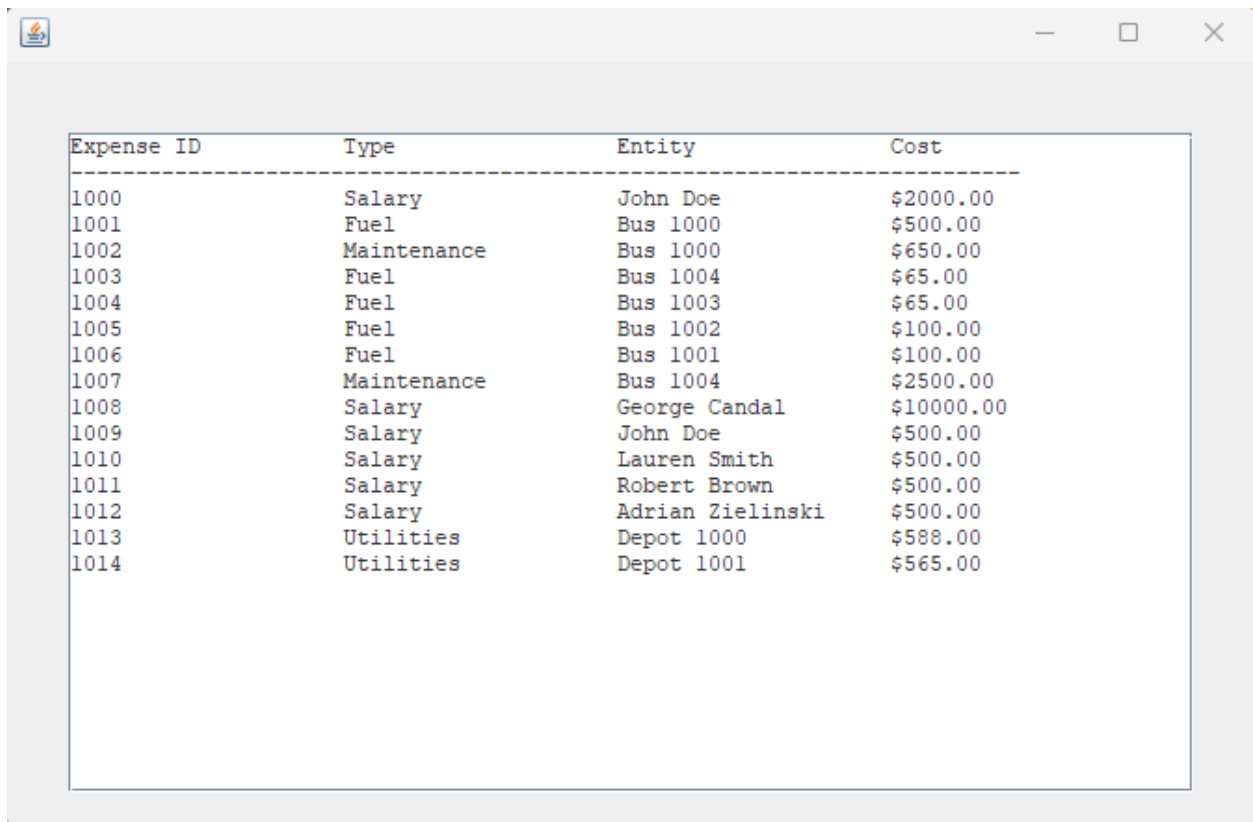
There are a few other features in the admin menu. In the route tab, select a route and then click on Manage Route Assignment. A new Route assignment window will open. Here you can assign a bus to a route and assign a driver to a bus.

Assign a Bus to a Depot

In the Depot tab, select a depot and click Assign a Bus to a Depot. It will ask for the Bus ID of the Bus. All bus IDs are integers.

Reports

In the Expenses tab and the Payments tab, the top button will generate a report in a new window. Click the button to see the report.

A screenshot of a web application window with a light gray border and standard window controls (minimize, maximize, close) in the top right corner. Inside the window is a table with four columns: 'Expense ID', 'Type', 'Entity', and 'Cost'. The table has a dashed line under the header row. The data rows are as follows:

| Expense ID | Type | Entity | Cost |
|------------|-------------|------------------|------------|
| 1000 | Salary | John Doe | \$2000.00 |
| 1001 | Fuel | Bus 1000 | \$500.00 |
| 1002 | Maintenance | Bus 1000 | \$650.00 |
| 1003 | Fuel | Bus 1004 | \$65.00 |
| 1004 | Fuel | Bus 1003 | \$65.00 |
| 1005 | Fuel | Bus 1002 | \$100.00 |
| 1006 | Fuel | Bus 1001 | \$100.00 |
| 1007 | Maintenance | Bus 1004 | \$2500.00 |
| 1008 | Salary | George Candal | \$10000.00 |
| 1009 | Salary | John Doe | \$500.00 |
| 1010 | Salary | Lauren Smith | \$500.00 |
| 1011 | Salary | Robert Brown | \$500.00 |
| 1012 | Salary | Adrian Zielinski | \$500.00 |
| 1013 | Utilities | Depot 1000 | \$588.00 |
| 1014 | Utilities | Depot 1001 | \$565.00 |

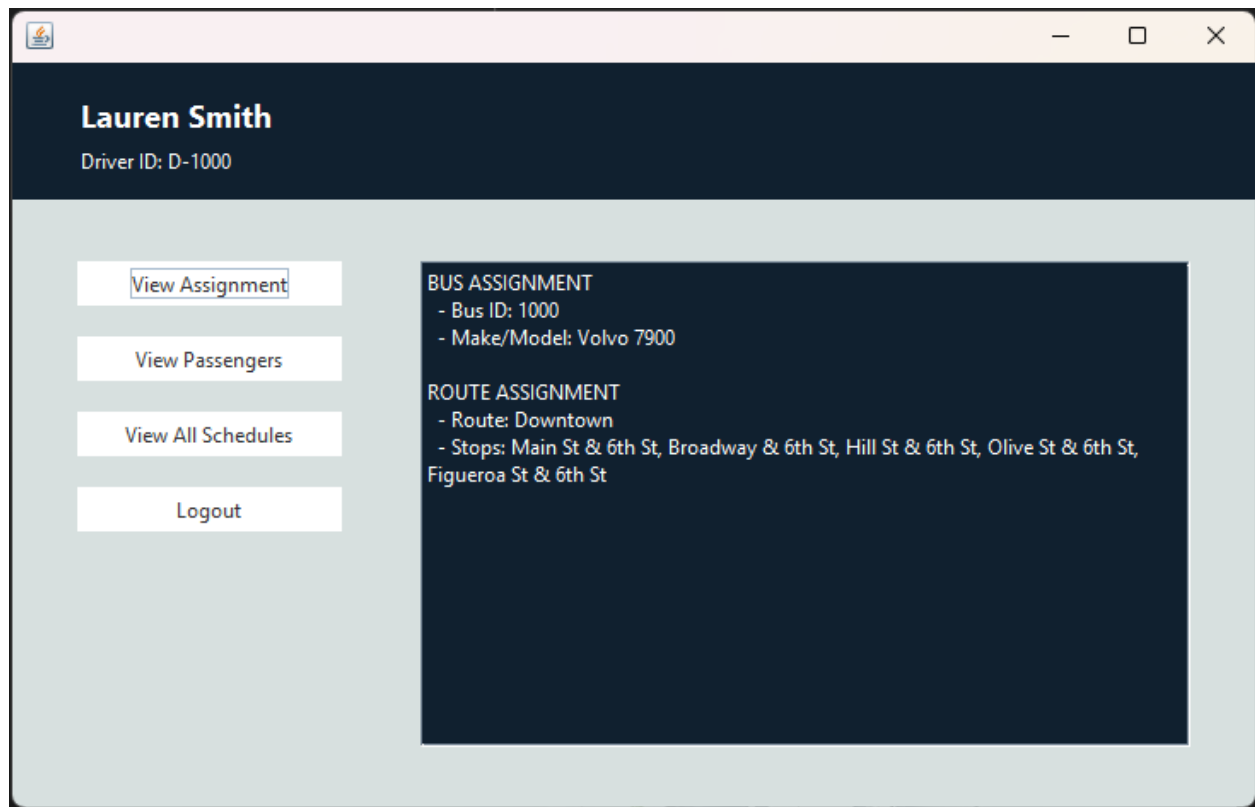
Driver Menu

Exit out of the admin menu to go back to the main menu. Click on Employee Login again. This time, log in as a Driver.

Username: LaurenSmith@buscompany.com

Password: password

This will open the Driver Menu.



Here, the Driver can view their assignment, the passengers that have purchased tickets for their route, the schedules, and log out.