

Project Title: Bus Reservation System

Group Members:

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Overview

This is a console-based Bus Reservation System written in C. The system allows users to view available buses, make bookings, and manage user data. It reads and writes from `.dat` files to store persistent user and booking information.

How to Compile

following command to compile all source files together:

terminal command

```
gcc B24CM1030_B24CH1011_B24CH1035_B24CY1004_B24BB1007_main.c  
B24CM1030_B24CH1011_B24CH1035_B24CY1004_B24BB1007_bus_functions.c  
B24CM1030_B24CH1011_B24CH1035_B24CY1004_B24BB1007_user_functions.c -o  
main.exe
```

How to Run

After compilation, we can run the program with:

terminal command

```
./main.exe
```

Features

- View list of buses
- Book tickets
- Manage users
- Persistent storage using `.dat` files

Files Included

- `main.c` – Entry point of the program
- `bus_functions.c` – Handles bus-related logic
- `user_functions.c` – Handles user operations
- `bus.h` – Shared header file
- `bookings.dat` – Booking data file
- `users.dat` – User data file