TICKET REGISTRATION SYSTEM

**ABSTRACT OF THE ENTIRE PROGRAM:**

This C program provides an integrated ticket booking system that allows users to choose between booking tickets for buses, flights, or trains. Depending on the user's choice, the program compiles and runs the corresponding ticket booking module, each of which is designed to handle specific booking details and requirements.

**KEY FEATURES AND FUNCTIONALITIES:**

**MAIN PROGRAM FLOW:**

* User Interface: Presents a menu to the user to select the type of ticket they wish to book: Bus, Flight, or Train.
* Selection Handling: Based on the user's selection, the program compiles and executes the appropriate ticket booking module by invoking system commands.

**MODULAR TICKET BOOKING SYSTEMS:**

**BUS TICKET BOOKING:**

* Displays available bus routes.
* Allows the user to book tickets by entering passenger details.
* Prints a receipt with booking details.

**FLIGHT TICKET BOOKING:**

* Displays available flights.
* Allows the user to book tickets by entering passenger details.
* Prints a receipt with booking details.

**TRAIN TICKET BOOKING:**

* Displays available trains.
* Allows the user to book tickets by entering passenger details.
* Prints a receipt with booking details.

**FUNCTIONS AND DATA STRUCTURES:**

**BUS MODULE:**

* Uses structures to store bus route and passenger information.
* Functions to display routes, book tickets, and print receipts.

**FLIGHT MODULE:**

* Uses structures to store flight and passenger information.
* Functions to display flights, book tickets, and print receipts.

**TRAIN MODULE:**

* Uses structures to store train and passenger information.
* Functions to display trains, book tickets, and print receipts.

**SYSTEM INTEGRATION:**

* The main program compiles the specific module using the gcc compiler.
* Executes the compiled executable to handle the booking process.

**PROGRAM EXECUTION STEPS:**

**USER PROMPT:**

* The user is prompted to choose an option from the menu (Bus, Flight, Train).
* Selection and Compilation:
* The program uses a switch-case construct to handle the user’s choice.
* Depending on the choice, it compiles the corresponding C file (bus.c, flight.c, train.c) into an executable.

**EXECUTION OF MODULE:**

* The program then runs the executable to allow the user to proceed with the specific ticket booking.
* Each module presents a user-friendly interface to complete the booking process and print a receipt.