

User Guide to Client Interface

This document gives an outline of how to use the client interface provided for the first programming assignment.

- **Help**

Provides information about the available commands

`Help` : list of all commands

`Help,<command>`: detailed description of command

- **Add a new flight**

Add information about a new flight

`AddFlight,<FlightNumber>,<NumberOfSeats>,<PricePerSeat>`

- **Add a new car location**

Add information about a new car location

`AddCars,<Location>,<NumberOfCars>,<PricePerCar>`

- **Add a new room location**

Add information about a new room location

`AddRooms,<Location>,<NumberOfRooms>,<PricePerRoom>`

- **Add a new customer**

Add a new customer to the database `AddCustomer`: system provides customer ID

`AddCustomerID,<CustomerID>`: user provides customer ID

- **Delete a flight**

Delete information about a flight (fails if reservations present)

`DeleteFlight,<FlightNumber>`

- **Delete a car location**

Delete all cars from a location (fails if reservations present)

`DeleteCars,<Location>`

- **Delete a room location**

Delete all rooms from a location (fails if reservations present)

`DeleteRooms,<Location>`

- **Delete a customer**
Delete a customer from the database as well as their reservations
DeleteCustomer,<CustomerID>
- **Query a flight**
Obtain the number of available seats on a flight
QueryFlight,<FlightNumber>
- **Query a car location**
Obtain the number of available cars at a location
QueryCars,<Location>
- **Query a room location**
Obtain the number of available rooms at a location
QueryRooms,<Location>
- **Query a customer**
Generate the bill (based on reservations) of a customer
QueryCustomer,<CustomerID>
- **Query a flight price**
Obtain the price of a seat on a flight
QueryFlightPrice,<FlightNumber>
- **Query a car price**
Obtain the price of a car at a location
QueryCarsPrice,<Location>
- **Query a room price**
Obtain the price of a room at a location
QueryRoomsPrice,<Location>
- **Reserve a flight**
Reserve a flight number for a customer
ReserveFlight,<CustomerID>,<FlightNumber>
- **Reserve a car**
Reserve a car for a customer at a location
ReserveCar,<CustomerID>,<Location>
- **Reserve a room**
Reserve a room for a customer at a location
ReserveRoom,<CustomerID>,<Location>
- **Reserve a bundle**
Book 1+ flights, and an optional car/room at a location (0/1 value) for a customer
Bundle,<CustomerID>,<FlightNumber1>,...,<FlightNumberN>,<Location>,<BookCar?>,<BookRoom?>
- **Quitting**
Exit the application
Quit