

School of Computer Science, McGill University  
COMP-512 Distributed Systems, Fall 2022  
User Guide

- **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,<xid>,<FlightNumber>,<NumberOfSeats>,<PricePerSeat>

- **Add a new car location**

Add information about a new car location

AddCars,<xid>,<Location>,<NumberOfCars>,<PricePerCar>

- **Add a new room location**

Add information about a new room location

AddRooms,<xid>,<Location>,<NumberOfRooms>,<PricePerRoom>

- **Add a new customer**

Add a new customer to the database

AddCustomer,<xid>: system provides customer ID

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

- **Delete a flight**

Delete information about a flight (fails if reservations present)

DeleteFlight,<xid>,<FlightNumber>

- **Delete a car location**

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

DeleteCars,<xid>,<Location>

- **Delete a room location**

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

DeleteRooms,<xid>,<Location>

- **Delete a customer**  
Delete a customer from the database as well as their reservations  
DeleteCustomer,<xid>,<CustomerID>
- **Query a flight**  
Obtain the number of available seats on a flight  
QueryFlight,<xid>,<FlightNumber>
- **Query a car location**  
Obtain the number of available cars at a location  
QueryCars,<xid>,<Location>
- **Query a room location**  
Obtain the number of available rooms at a location  
QueryRooms,<xid>,<Location>
- **Query a customer**  
Generate the bill (based on reservations) of a customer  
QueryCustomer,<xid>,<CustomerID>
- **Query a flight price**  
Obtain the price of a seat on a flight  
QueryFlightPrice,<xid>,<FlightNumber>
- **Query a car price**  
Obtain the price of a car at a location  
QueryCarsPrice,<xid>,<Location>
- **Query a room price**  
Obtain the price of a room at a location  
QueryRoomsPrice,<xid>,<Location>
- **Reserve a flight**  
Reserve a flight number for a customer  
ReserveFlight,<xid>,<CustomerID>,<FlightNumber>
- **Reserve a car**  
Reserve a car for a customer at a location  
ReserveCar,<xid>,<CustomerID>,<Location>
- **Reserve a room**  
Reserve a room for a customer at a location  
ReserveRoom,<xid>,<CustomerID>,<Location>

- **Reserve a bundle**

Book 1+ flights, and an optional car/room at a location (0/1 value) for a customer

Bundle,<xid>,<CustomerID>,<FlightNumber1>,...,<FlightNumberN>,  
<Location>,<BookCar?>,<BookRoom?>

- **Quitting**

Exit the application

Quit