

COMP-512: Distributed Systems

User Guide to Client Interface

This document gives an outline of how to use the client interface provided for your project. The client interface also contains a built in help command which can be used to get help while running the client. Commands that are supported by the client interface are:

- Help
Typing help on the prompt gives a list of all the commands available. Typing *help, < commandname >* gives details on how to use the particular command.
- Adding a new Flight
Purpose: Add information about a new flight.
Usage: *newflight, < id >, < flightnumber >, < flightSeats >, < flightprice >*
- Adding a new Car
Purpose: Add information about a new car location.
Usage: *newcar, < id >, < location >, < numberofcars >, < pricepercar >*
- Adding a new Room
Purpose: Add information about a new room location.
Usage: *newroom, < id >, < location >, < numberofrooms >, < priceperroom >*
- Adding a new Customer (system provides customer id)
Purpose: Get the system to provide a new customer id. (same as adding a new customer)
Usage: *newcustomer, < id >*
- Adding a new Customer (you provide customer id)
Purpose: creates a new customer with id provided in input
Usage: *newcustomer, < id >, < cid >*
- Deleting a flight
Purpose: Delete a flights information.
Usage: *deleteflight, < id >, < flightnumber >*

- Deleting a Car
Purpose: Delete all cars from a location
Usage: *deletecar*, $\langle id \rangle$, $\langle location \rangle$
- Deleting a Room
Purpose: Delete all rooms from a location
Usage: *deleteroom*, $\langle id \rangle$, $\langle location \rangle$
- Deleting a Customer
Purpose: Remove a customer from the database.
Usage: *deletecustomer*, $\langle id \rangle$, $\langle customerid \rangle$
- Querying flight
Purpose: Obtain number of seats on a certain flight.
Usage: *queryflight*, $\langle id \rangle$, $\langle flightnumber \rangle$
- Querying a Car location
Purpose: Obtain number of cars at a certain car location.
Usage: *querycar*, $\langle id \rangle$, $\langle location \rangle$
- Querying a Room Location
Purpose: Obtain number of rooms at a certain room location.
Usage: *queryroom*, $\langle id \rangle$, $\langle location \rangle$
- Querying Customer Information
Purpose: Obtain information about a customer.
Usage: *querycustomer*, $\langle id \rangle$, $\langle customerid \rangle$
- Querying flight Price
Purpose: Obtain price of a certain flight.
Usage: *queryflightprice*, $\langle id \rangle$, $\langle flightnumber \rangle$
- Querying a Car Price
Purpose: Obtain Price of a car at a certain car location.
Usage: *querycarprice*, $\langle id \rangle$, $\langle location \rangle$
- Querying a Room Price
Purpose: Obtain Price at a certain room location.
Usage: *queryroomprice*, $\langle id \rangle$, $\langle location \rangle$
- Reserving a flight Purpose:
Reserve a flight for a customer.
Usage: *reserveflight*, $\langle id \rangle$, $\langle customerid \rangle$, $\langle flightnumber \rangle$

- Reserving a Car
Purpose: Reserve a car for a customer at a particular location.
Usage: *reservecar*, $\langle id \rangle$, $\langle customerid \rangle$, $\langle location \rangle$
- Reserving a Room
Purpose: Reserve a room for a customer at a particular location.
Usage: *reserveroom*, $\langle id \rangle$, $\langle customerid \rangle$, $\langle location \rangle$
- Reserving an Itinerary
Purpose: Book one or more flights. Also book car/room at a location.
Usage:
itinerary, $\langle id \rangle$, $\langle customerid \rangle$, $\langle flightnumber1 \rangle$..., $\langle flightnumberN \rangle$
, $\langle LocationToBookCarsOrRooms \rangle$, $\langle BookCars? \rangle$, $\langle BookRooms? \rangle$
- Quitting client
Purpose: Exit the client application.
Usage: *quit*