

# COMP-512: Distributed Systems

## User Guide to Client Interface

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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*