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: $deletecar, <id>, <location>$

- Deleting a Room

  Purpose: Delete all rooms from a location

  Usage: $deleteroom, <id>, <location>$

- Deleting a Customer

  Purpose: Remove a customer from the database.

  Usage: $deletecustomer, <id>, <customerid>$

- Querying flight

  Purpose: Obtain number of seats on a certain flight.

  Usage: $queryflight, <id>, <flightnumber>$

- Querying a Car location

  Purpose: Obtain number of cars at a certain car location.

  Usage: $querycar, <id>, <location>$

- Querying a Room Location

  Purpose: Obtain number of rooms at a certain room location.

  Usage: $queryroom, <id>, <location>$

- Querying Customer Information

  Purpose: Obtain information about a customer.

  Usage: $querycustomer, <id>, <customerid>$

- Querying flight Price

  Purpose: Obtain price of a certain flight.

  Usage: $queryflightprice, <id>, <flightnumber>$

- Querying a Car Price

  Purpose: Obtain Price of a car at a certain car location.

  Usage: $querycarprice, <id>, <location>$

- Querying a Room Price

  Purpose: Obtain Price at a certain room location.

  Usage: $queryroomprice, <id>, <location>$

- Reserving a flight Purpose:

  Reserve a flight for a customer.

  Usage: $reserveflight, <id>, <customerid>, <flightnumber>$

- Reserving a Car

  Purpose: Reserve a car for a customer at a particular location.

  Usage: $reservecar, <id>, <customerid>, <location>$

- Reserving a Room

  Purpose: Reserve a room for a customer at a particular location.

  Usage: $reserveroom, <id>, <customerid>, <location>$

- Reserving an Itinerary

  Purpose: Book one or more flights. Also book car/room at a location.

  Usage:

  $itinerary, <id>, <customerid>, <flightnumber1>...., <flightnumberN>$
  $, <LocationToBookCarsOrRooms>, <BookCars?>, <BookRooms?>$

- Quitting client

  Purpose: Exit the client application.

  Usage: $quit$