CONTRACT CO1: displayTripsMenu

Operation:	displayTripsMenu()
Cross References:	none
Preconditions:	- Connected to the Console
Postconditions:	- Input prompts are displayed

CONTRACT CO2: getTrips

Operation:	getTrips(lastName, id)
Cross References:	none
Preconditions:	- Connected to the Console
Postconditions:	- Client trips are displayed

CONTRACT CO3: displayConnectionsMenu

Operation:	displayConnectionsMenu()
Cross References:	none
Preconditions:	- Connected to the Console
Postconditions:	- Connections are displayed - Connection c is created

CONTRACT CO4: sortBySecondClassRate

Operation:	sortBySecondClassRate()
Cross References:	none
Preconditions:	- TrainConnections have been found
Postconditions:	- ConnectionsCatalogue.connections was sorted

CONTRACT CO5: sortByFirstClassRate

Operation:	sortByFirstClassRate()
Cross References:	none

| **Preconditions:** | - TrainConnections have been found |
| **Postconditions:** | - ConnectionsCatalogue.connections was sorted |

CONTRACT CO6: sortByDuration

Operation:	sortByDuration()
Cross References:	none
Preconditions:	- TrainConnections have been found
Postconditions:	- ConnectionsCatalogue.connections was sorted

CONTRACT CO7: bookTripMenu

Operation:	bookTripMenu(connection)
Cross References:	none
Preconditions:	- connection is a valid TrainConnection
Postconditions:	- Trip instance trip is created
	- connection is associated with trip
	- trip is associated with TripCatalogue

CONTRACT CO8: addReservation

Operation:	addReservation(firstName, lastName, age, passengerID)
Cross References:	none
Preconditions:	- A Trip instance trip has been created
	- trip has an associated TrainConnection
	- firstName, lastName, age, passengerID are all valid
Postconditions:	- A Client instance client is created
	- client is associated with trip

CONTRACT CO9: exitProgram

Operation:	exitProgram()
Cross References:	none
Preconditions:	Connected to the Console
Postconditions:	Program exited

CONTRACT CO10: displayRouteOptionsMenu

Operation:	displayRouteOptionsMenu(connectionsCatalogue)
Cross References:	none
Preconditions:	- Connected to the Console
	- User has received some connection options
Postconditions:	- Sorting options are displayed to the user
	- User can select which sorting option they want

CONTRACT CO11: displayParameterOptions

Operation:	displayParameterOptions(filterCriteria)
Cross References:	none
Preconditions:	- Connected to the Console
	- User has selected a start and end location for their connection
Postconditions:	- Parameter options are displayed to the user
	- User can input any parameter they want for their connection