CONTRACT CO1: viewTrips

Operation:	viewTrips()
Cross References:	none
Preconditions:	Connected to the Console
Postconditions:	- Client trips are displayed

CONTRACT CO2: bookTrip

Operation:	bookTrip()
Cross References:	none
Preconditions:	Connected to the Console
Postconditions:	- Trip instance trip is created - trip is associated with TripCatalogue

CONTRACT CO3: create ConnectionsCatalogue

Operation:	create ConnectionsCatalogue(startCity, endCity)
Cross References:	none
Preconditions:	Connected to the Console, startCity and endCity are valid cities
Postconditions:	- ConnectionsCatalogue instance cc is created - TrainConnection instance tc is created for every possible connection - All tc instances associated with TrainRoute that populate it - All tc instances associated with cc

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: getTrainConnection

Operation:	getTrainConnection(chosenConnection)
Cross References:	none
Preconditions:	chosenConnection is a valid TrainConnection, a Trip instance trip has been created
Postconditions:	chosenConnection is associated with trip

CONTRACT CO8: addReservation

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

CONTRACT CO9: exitProgram

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