Interaction Diagram: View Trips

Actors and lifelines: :User, :Console, :MainMenuUI, :ReservationDAO, :Database, :CSVLoader, :Ticket, :Reservation

- :User → :Console: run()
- :Console → :MainMenuUI: displayMainMenu()
- :MainMenuUI ⇠ :User: show menu options
- :User → :MainMenuUI: choice = 2
- :MainMenuUI ⇠ :Console: return choice
- :Console → :Console: viewTrips()
- :Console ⇠ :User: request client ID
- :User → :Console: clientId
- :Console ⇠ :User: request last name
- :User → :Console: lastName
- :Console → :ReservationDAO: create()
- :Console → :ReservationDAO: getReservationsByClientIdAndLastName(clientId, lastName)
- :ReservationDAO → :Database: query reservation JOIN client JOIN ticket
- :Database ⇠ :ReservationDAO: return ResultSet

loop [for each reservation]
- :ReservationDAO → :ReservationDAO: getConnectionById(routeId)
- :ReservationDAO → :CSVLoader: loadConnectionsFromCSV()
- :CSVLoader ⇠ :ReservationDAO: return TrainConnection
- :ReservationDAO → :Ticket: create Ticket(ticketId, travelClass, totalPrice)
- :Ticket ⇠ :ReservationDAO: new Ticket
- :ReservationDAO → :Reservation: create Reservation(resId, connections, ticket)
- :Reservation ⇠ :ReservationDAO: new Reservation

- :ReservationDAO ⇠ :Console: return List<Reservation>
- :Console ⇠ :User: display all reservations