

Contract CO2: Booking

Operation: book(name: String, age: int, String clientID, Connection connection)

Cross References: Class Diagram: Railway System, Use Case Diagram: Railway Booking System

Preconditions:

- connection selected from list returned by searchForConnections
- Input of name, age and ID provided
- Client doesn't have a reservation for this connection

Postconditions:

- Client added to Client catalogue
- Trip created
- Reservations associated to Client
- Ticket to Reservation

Contract CO3: viewTrips

Operation: book(name: String, String clientID)

Cross References: Class Diagram: Railway System, Use Case Diagram: Railway Booking System

Preconditions:

- Client exists

Postconditions:

- Returns a list of past and planned trips