

Contract CO1: searchForConnections

Operation: searchForConnections (arrivalTime: Time, departureTime: Time, arrivalCity: String, departureCity: String, daysOfOperation: String, trainType: String, ticketFirstClass: float, ticketSecondClass: float)

Cross References: Class Diagram: Railway system, Use Case Diagram: Railway Network Search System

Preconditions:

- query connections' attributes (Departure city and time, Arrival city and time, Train Type, Days of Operation, first class and second class ticket cost)

Postconditions:

- instance of type List<Connections> acceptedConnections is created
- less than 3 hours wait policy condition is met