

Contract CO1: searchConnection

Operation contract: searchConnection(departure_city, arrival city, departure time, arrival time, train type, DOO, FC ticket, SC ticket)

Precondition: departure_city, arrival city, departure time, arrival time, train type, DOO, FC ticket, SC ticket either exist or are left empty.
 The CSV file is loaded.

Postcondition: A List<Route> instance results was created (instance creation)
 The matched route objects from the CSV file are added to the results.
(association formed)

Contract CO2: sortResults

Operation contract: sortResults(type)

Cross References: Use Case: Search Connection

Precondition: A connection search has been done.
 A List<Route> instance results have been created, and matched route objects have been added.
 The type by which it will be sorted exists.

Postcondition: The results list is associated with a Comparator based on the sorting type. (association formed)
 The results list is sorted using the Comparator. (attribute modification)