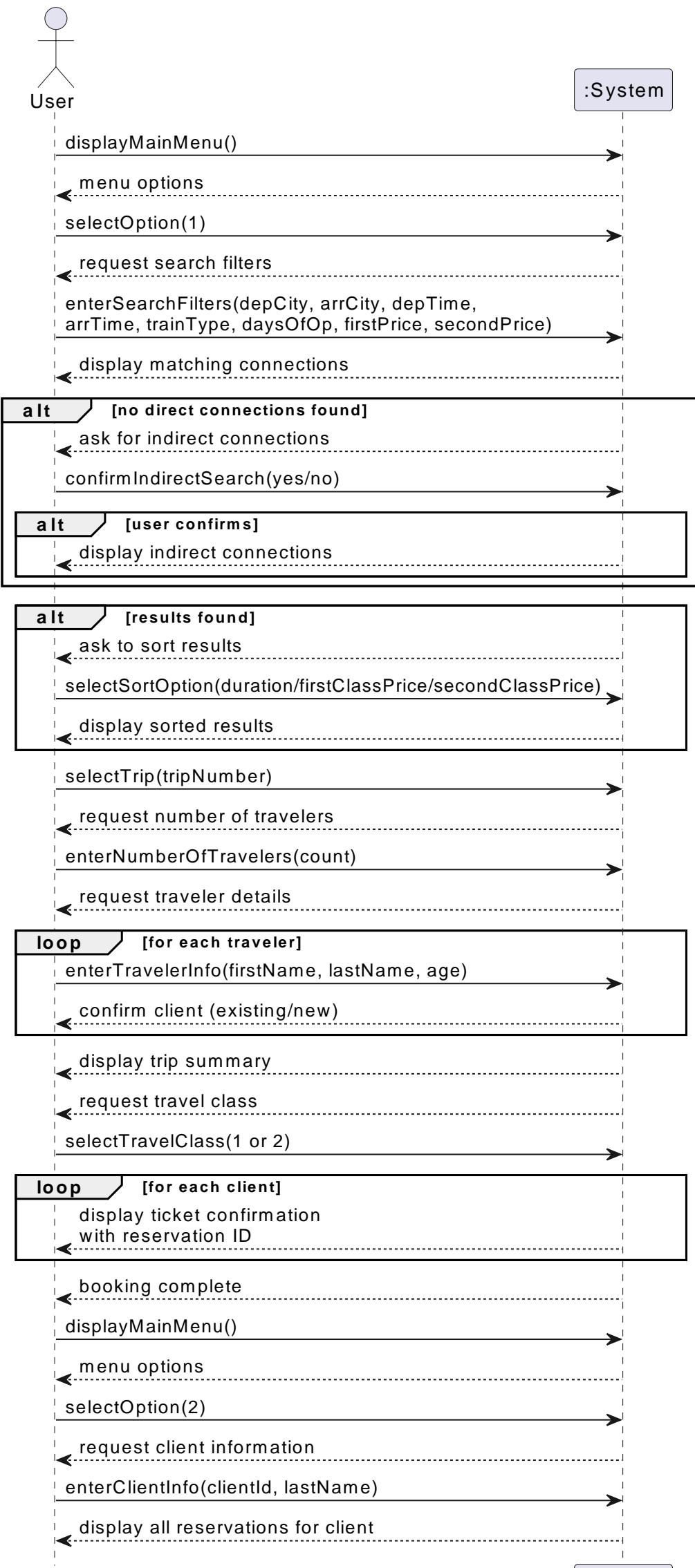# System Sequence Diagram: full System

User → :System

displayMainMenu()

menu options

selectOption(1)

request search filters

enterSearchFilters(depCity, arrCity, depTime, arrTime, trainType, daysOfOp, firstPrice, secondPrice)

display matching connections

alt [no direct connections found]

  ask for indirect connections

  confirmIndirectSearch(yes/no)

  alt [user confirms]

    display indirect connections

alt [results found]

  ask to sort results

  selectSortOption(duration/firstClassPrice/secondClassPrice)

  display sorted results

selectTrip(tripNumber)

request number of travelers

enterNumberOfTravelers(count)

request traveler details

loop [for each traveler]

  enterTravelerInfo(firstName, lastName, age)

  confirm client (existing/new)

display trip summary

request travel class

selectTravelClass(1 or 2)

loop [for each client]

  display ticket confirmation with reservation ID

booking complete

displayMainMenu()

menu options

selectOption(2)

request client information

enterClientInfo(clientId, lastName)

display all reservations for client

User → :System