UML Statechart Diagram

PRINT SEATS

do / display seating availability

User chooses "Show seating"

displayed seats / displaying menu

MENU

do / print menu and prompt for user input

user chooses "Quit"

QUIT

do / program terminates

user chooses "Add Passenger"

CLASS TYPE

do / ask for class preference (first class or economy)

user enters a class type

GROUP SIZE

do / ask for number of passengers traveling together

user enters group size

redisplay menu

SEAT PREFERENCE

do / ask for seating preference (window, aisle, or center seat)

user enters a seat preference

FIND SEATING

do / search for seating based on user's preferences

no seating was found

NO SEATS

do / display error message that no seats were found