

# *Requirement Analysis Document*

Team\_07 CS509

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## User Stories

Role	What the role can do
As a user,	I can specify the departure city and arrival city
As a user,	I can choose a one-way or round-trip or multi-city ticket
As a user,	I can choose the departure/arrival date
As a user,	I can choose the coach/first class seat
As a user,	I can view list of available flights after I specify the departure/arrival city, departure/arrival date, first-class/coach seat, and the trip type
As a user,	I can filter/sort the flights by its price
As a user,	I can filter/sort the flights by number of stops
As a user,	I can filter/sort the flight by the length of flight
As a user,	I can filter/sort the flight by its time window
As a user,	I can filter/sort the flight by the airline name
As a user,	I can view all the flights in local time
As a user,	I can check whether there is layover and the layover time
As a user,	I can choose the flight that I would like to reserve
As a user,	I can purchase that flight that I have chosen

## Use Case (Bubble chart)

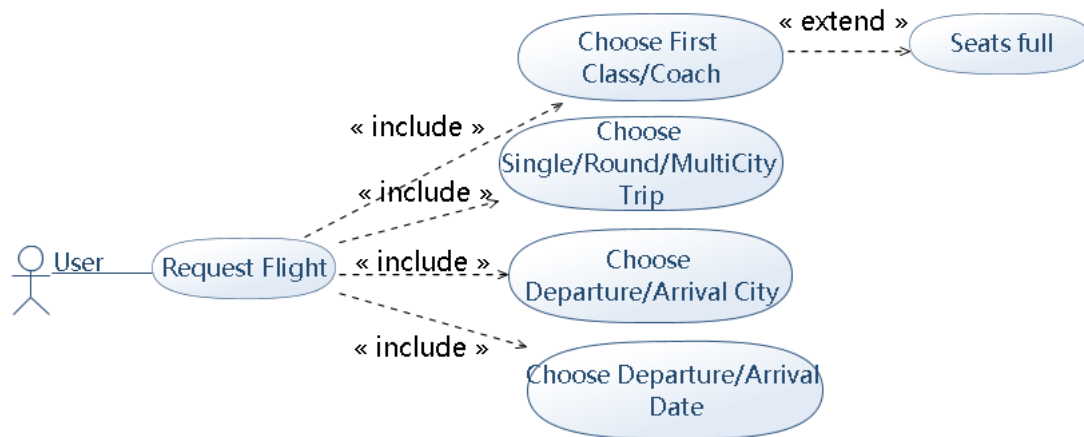


Figure1.1 Use Case Diagram (Request Flight)

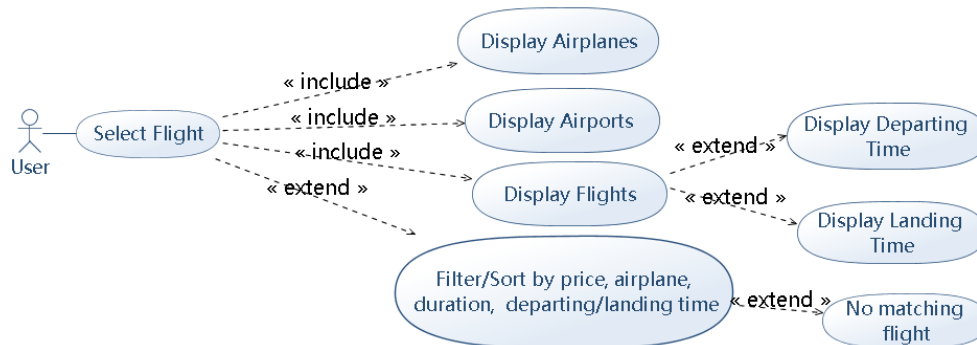


Figure1.2 Use Case Diagram (Select Flight)

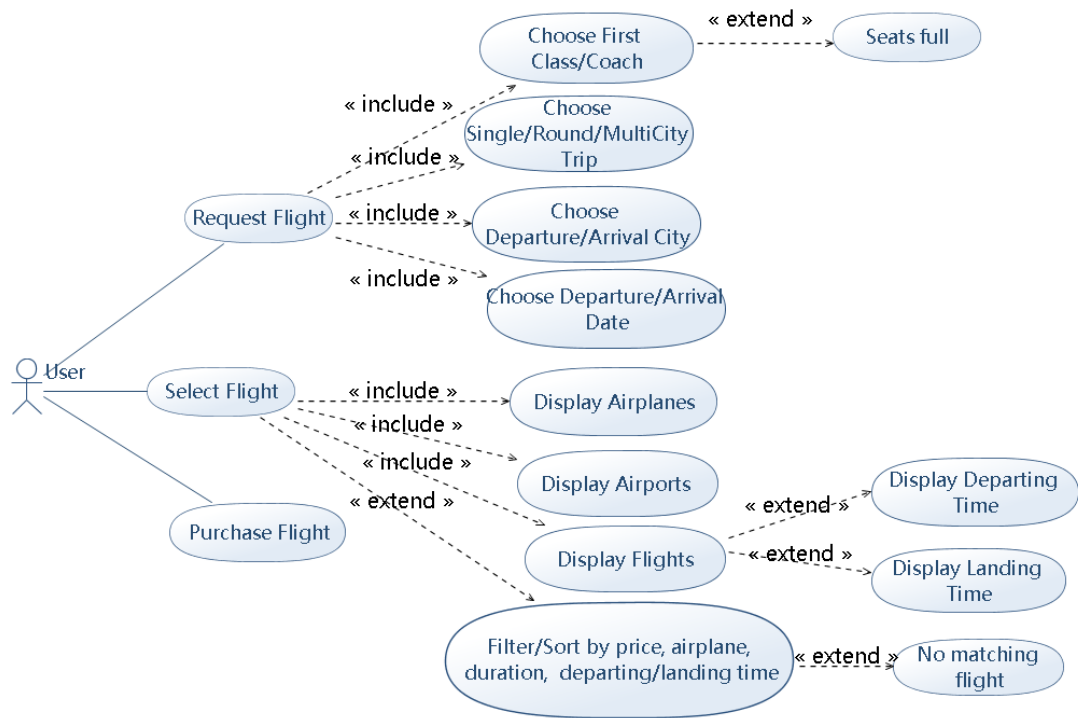


Figure 1.3 Use Case Diagram (combined)

# Object Analysis Model

