IT314 - Software Engineering
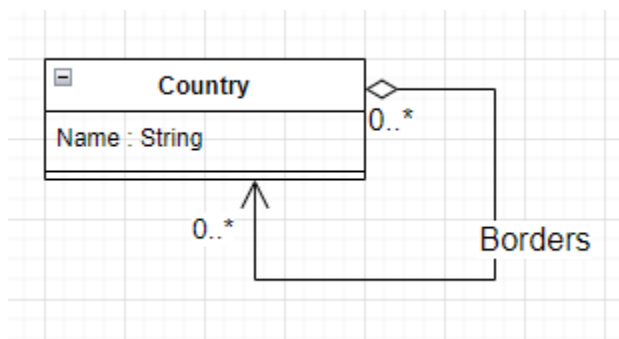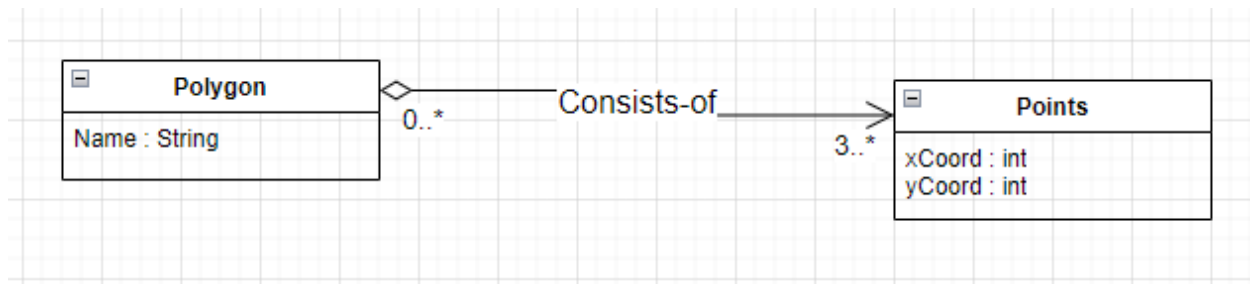
Lab4 - Class Modeling

Yash Chaudhari - 202201229
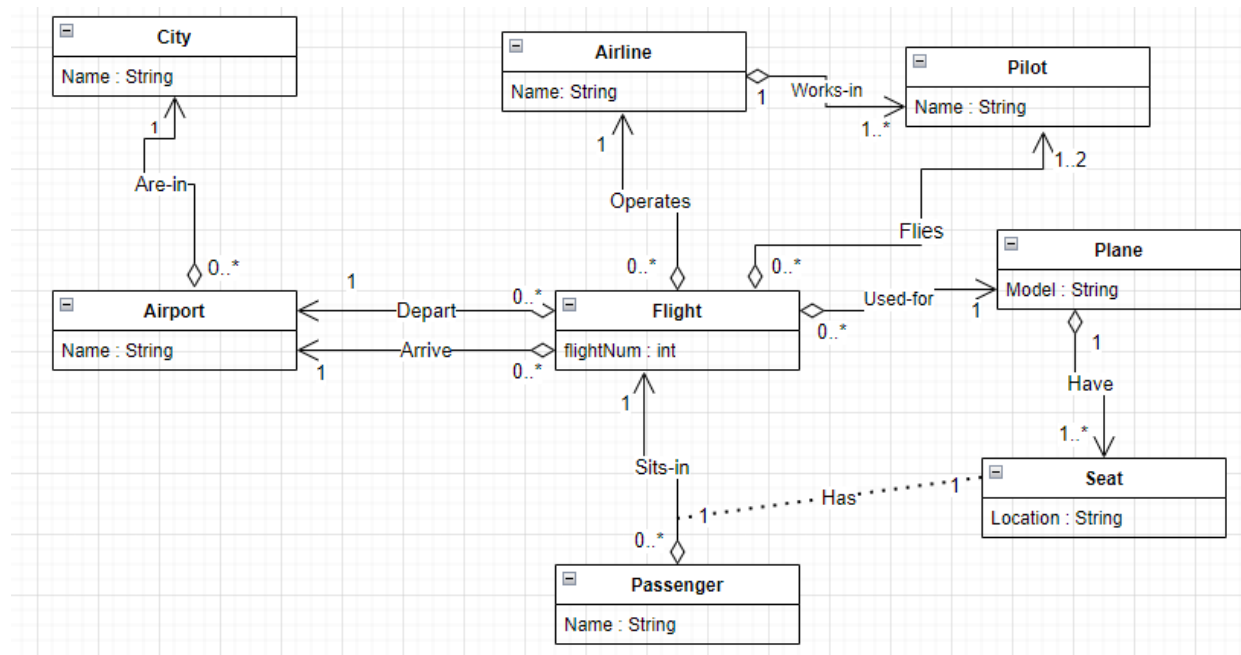
Question - 1

Question - 2

Question - 3

City
Name : String

Airline
Name: String

Pilot
Name : String

1 Works-in 1..*

1..2

1

Operates

Flies

Plane
Model : String

Are-in

1

0..*

0..*

0..*

0..*

Used-for

1

Airport
Name : String

Depart

0..*

Flight
flightNum : int

1

0..*

Arrive

1

0..*

Have

1

1..*

1

Sits-in

Has

1

Seat
Location : String

0..*

1

Passenger
Name : String

Question - 4

Aircraft
ID : String
State : String
Status : String

1

Airline
ID: String

Owns

1

Pilot
ID : string
experiencelevel : int (1-3)
type : String

Have

0..*

Contains

2

0..*

1

Operates

1

1..*

Has

1..*

1..*

Consists-of

Depart

Aircrafttype
type : string
requirepilots : int

1

0..*

1

Airport
ID : String

1

Arrive

0..*

Flight
ID : String
depAirport : String
arrAirport : String
deptime : Time
arrtime : Time

0..*