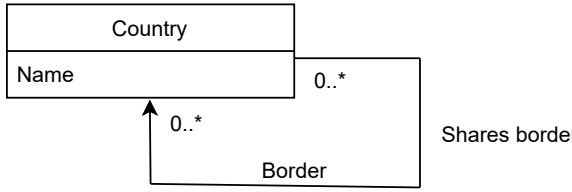
Software Engineering (IT-314)

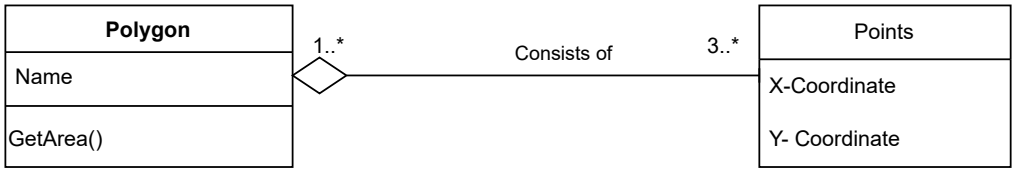
Lab - 04

Khushi Vora - 202201332

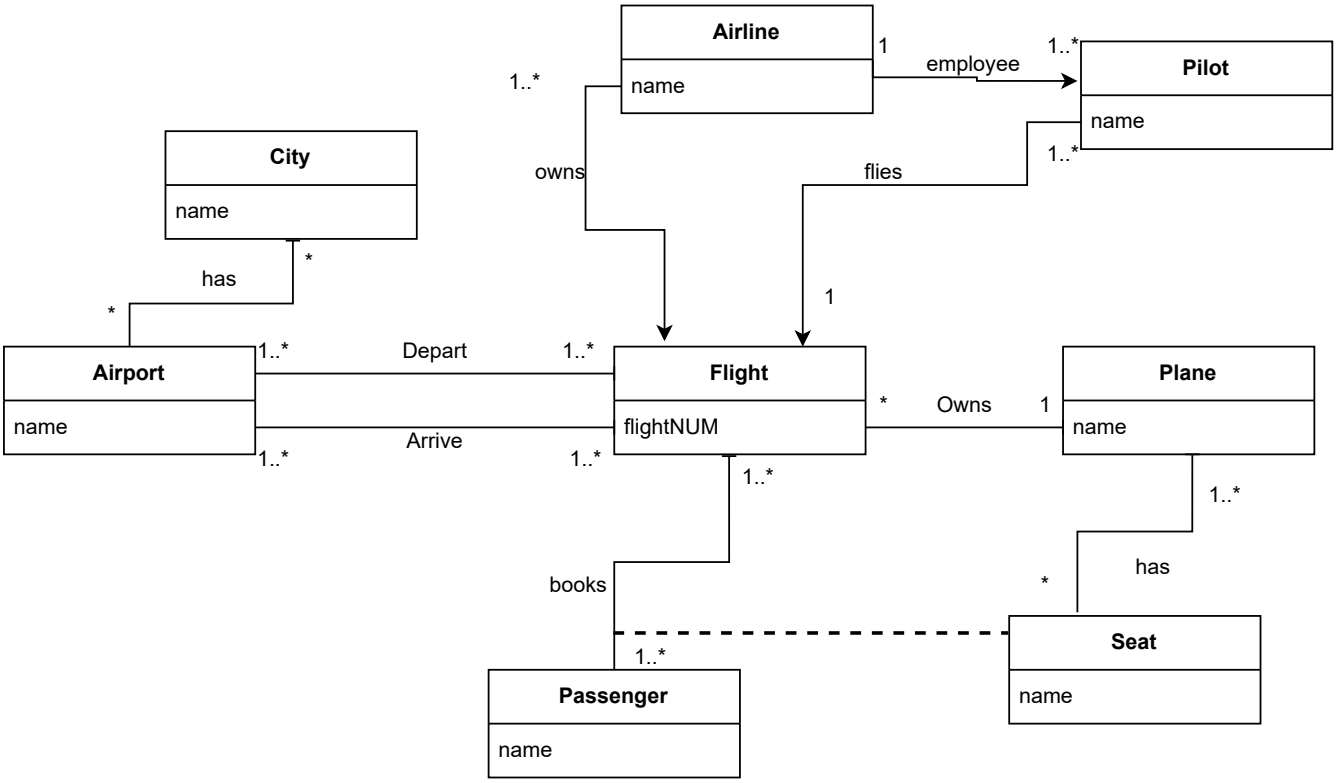
Q-1 :



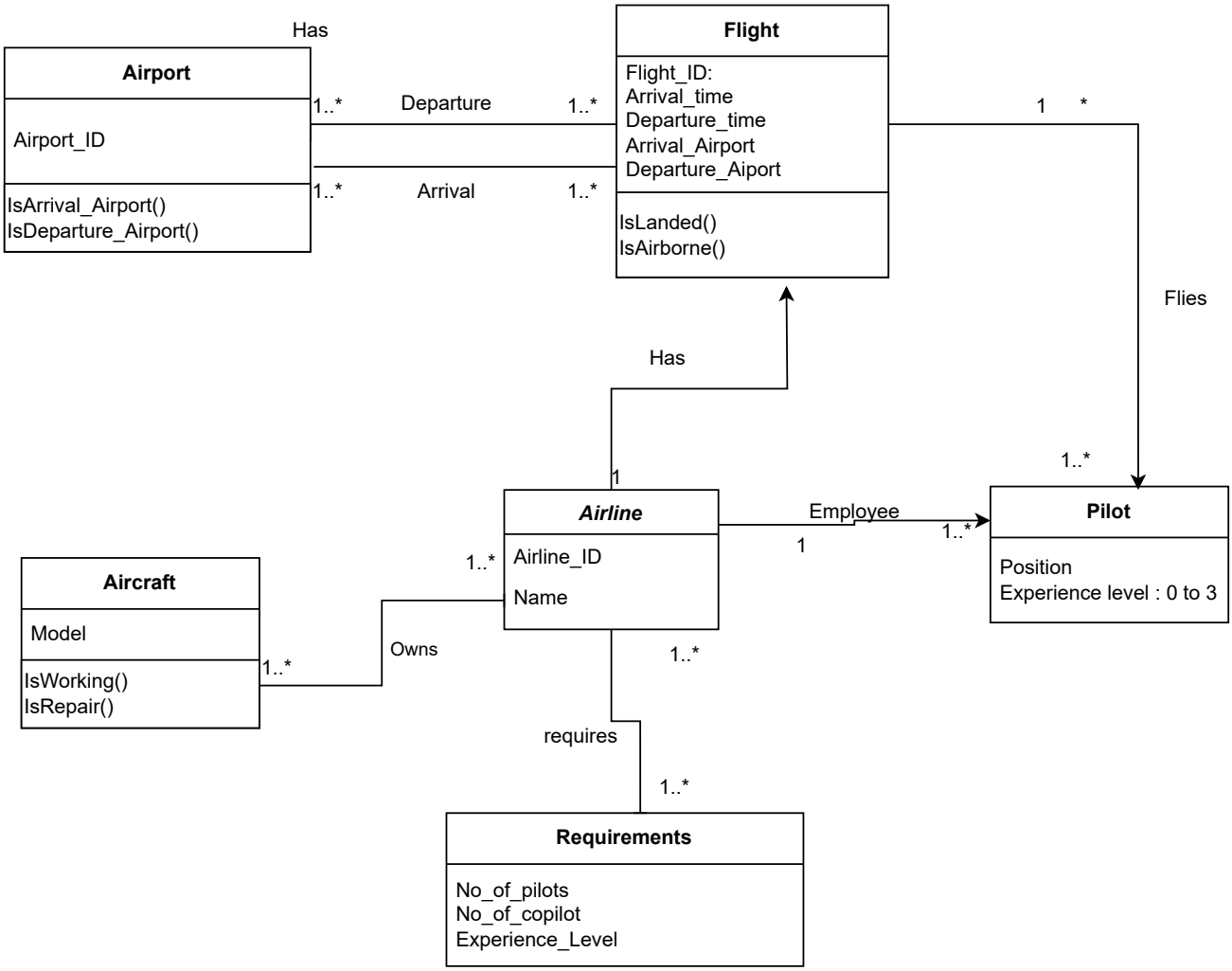
Q -2


Polygon
Name
GetArea()
1..*
Consists of
3..*
Points
X-Coordinate
Y- Coordinate

Q-3 :


Airline
name
1
employee
1..*
Pilot
name
1..*
1..*
owns
flies
1..*
City
name
has
*
*
1
Airport
name
1..*
Depart
1..*
Flight
flightNUM
*
Owns
1
Plane
name
Arrive
1..*
1..*
1..*
1..*
has
*
books
1..*
Seat
name
Passenger
name

Q- 4 :


Has
Airport
Airport_ID
IsArrival_Airport()
IsDeparture_Airport()
1..*
Departure
1..*
1..*
Arrival
1..*
Flight
Flight_ID:
Arrival_time
Departure_time
Arrival_Airport
Departure_Aiport
IsLanded()
IsAirborne()
1
*
Flies
Has
1
1..*
Airline
Airline_ID
Name
Employee
1
1..*
Pilot
Position
Experience level : 0 to 3
Aircraft
Model
IsWorking()
IsRepair()
1..*
Owns
1..*
1..*
requires
1..*
Requirements
No_of_pilots
No_of_copilot
Experience_Level