IT314 : Software Engineering
Lab 4: Class Diagrams

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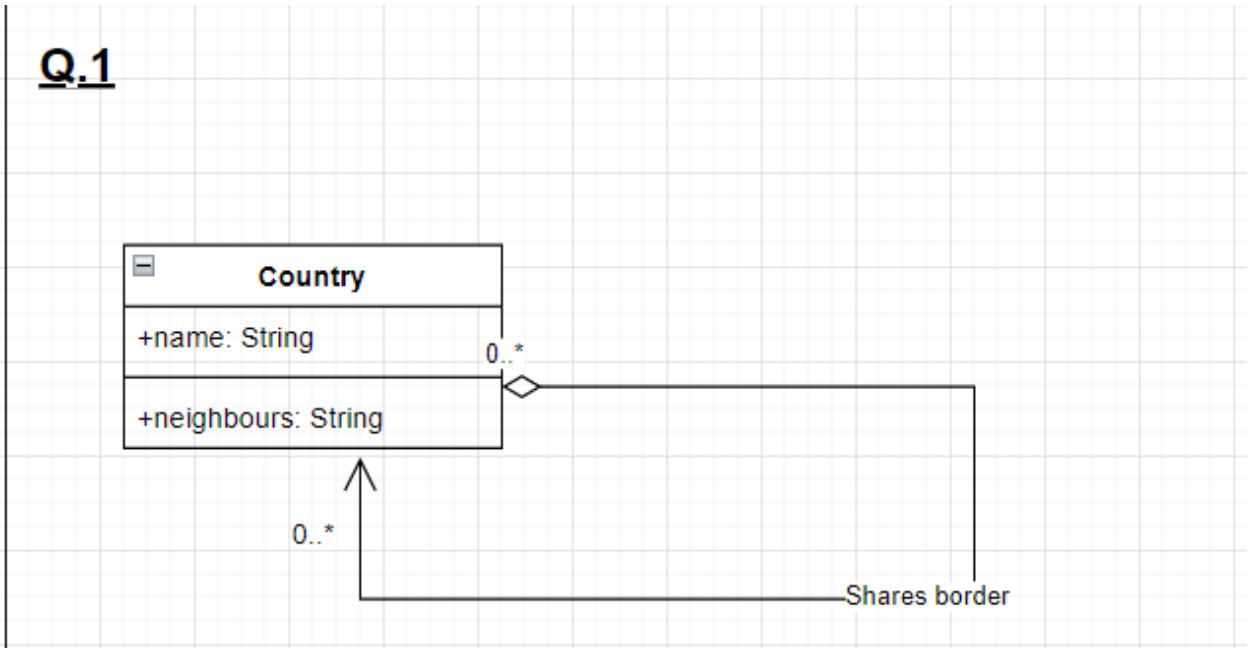
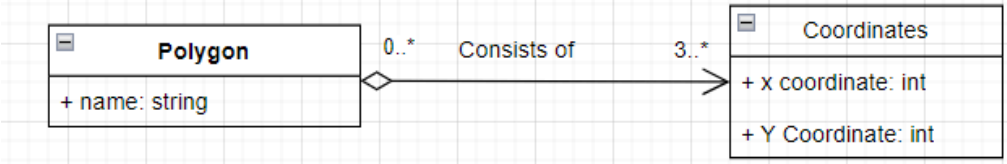
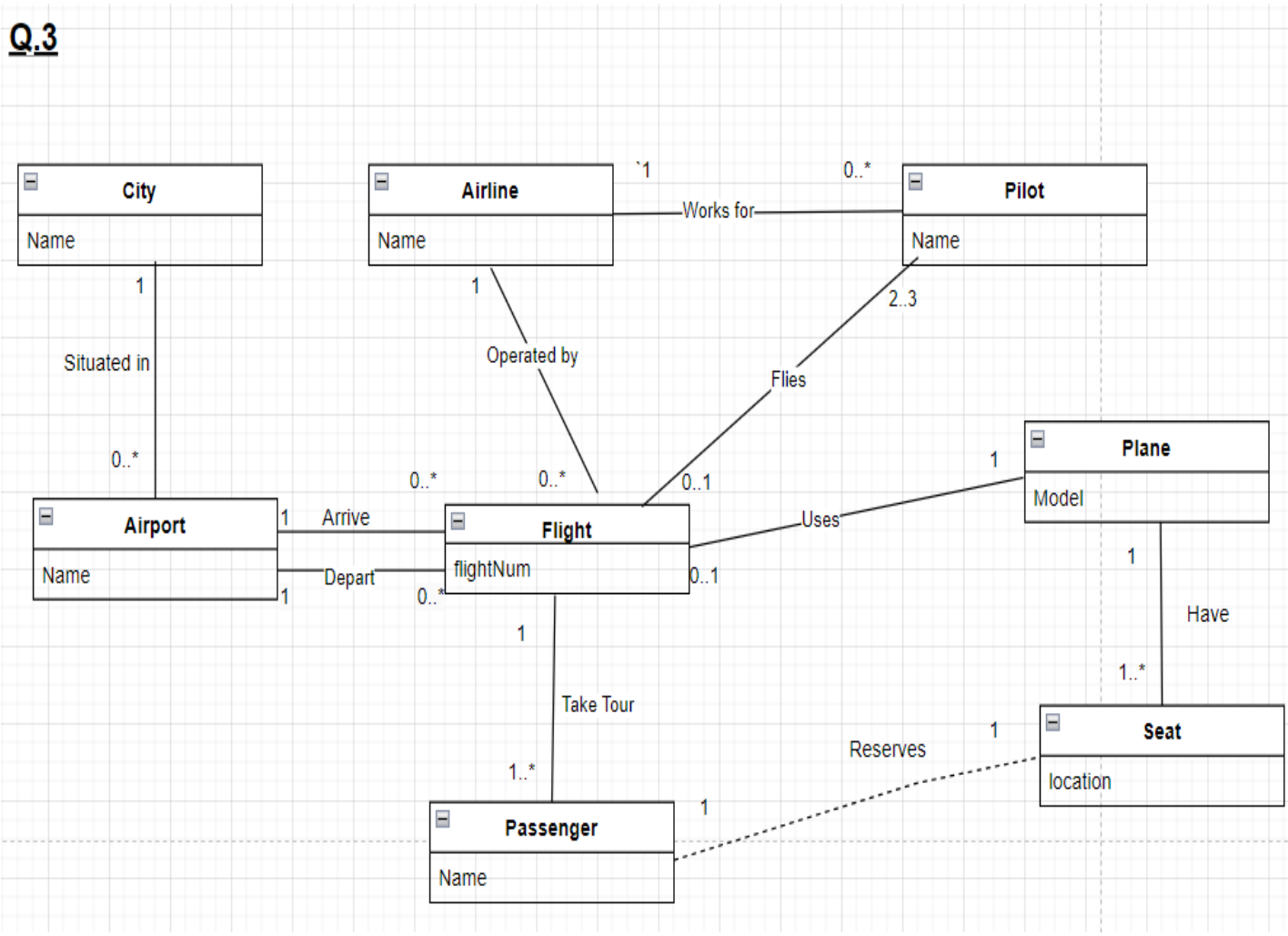
Q.1



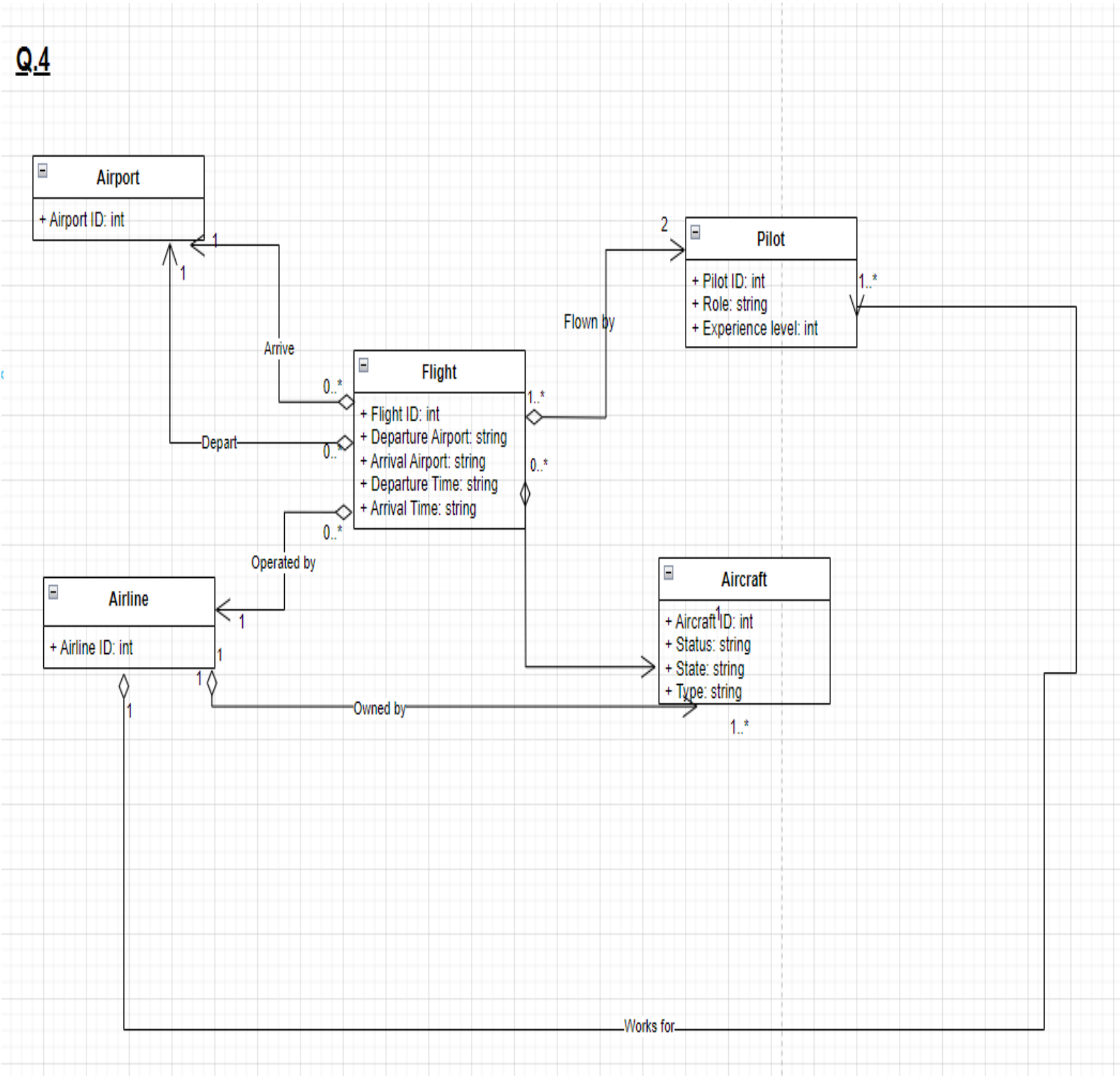
Q.2


Polygon
+ name: string
0..*
Consists of
3..*
Coordinates
+ x coordinate: int
+ Y Coordinate: int

Q.3


City
Name
Airline
Name
Pilot
Name
Works for
1
0..*
Situated in
Operated by
Flies
2..3
Airport
Name
Arrive
Depart
Flight
flightNum
Plane
Model
Uses
Have
Take Tour
Reserves
Seat
location
Passenger
Name

Q.4


Airport
+ Airport ID: int
Pilot
+ Pilot ID: int
+ Role: string
+ Experience level: int
Flight
+ Flight ID: int
+ Departure Airport: string
+ Arrival Airport: string
+ Departure Time: string
+ Arrival Time: string
Airline
+ Airline ID: int
Aircraft
+ Aircraft ID: int
+ Status: string
+ State: string
+ Type: string
Arrive
Depart
Flown by
Operated by
Owned by
Works for
1
2
0..*
1..*