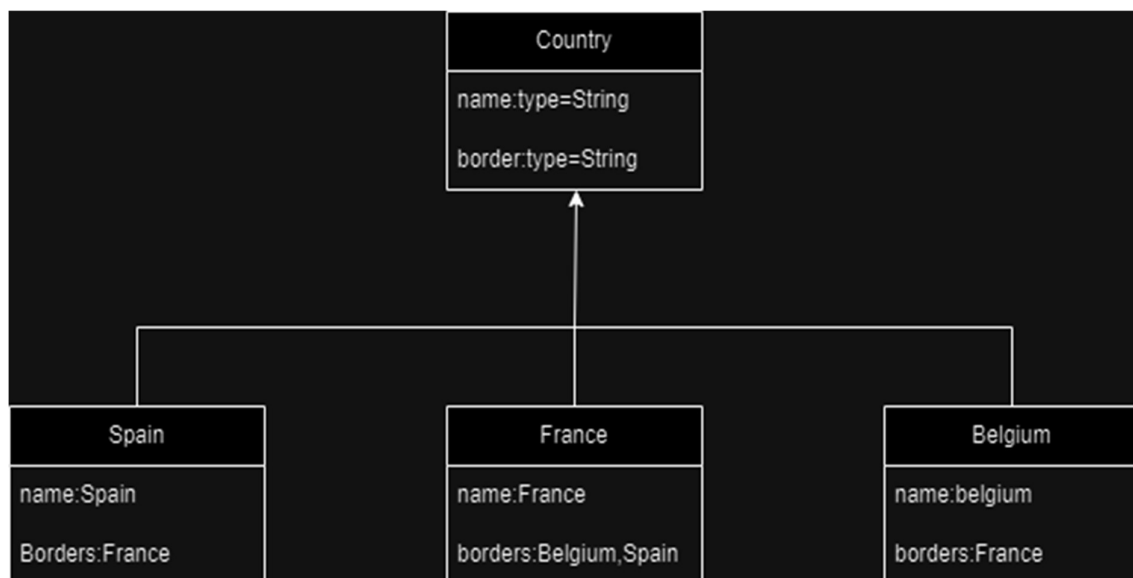# IT313: Software Engineering

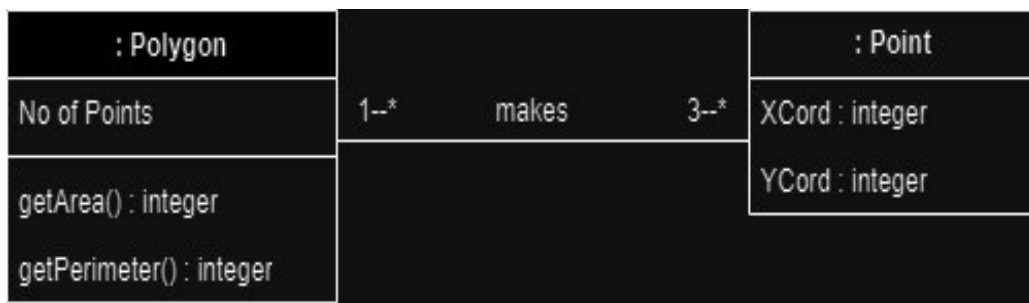# Lab 4: Class Modeling

Made by: Devarshi Patel (202201447)
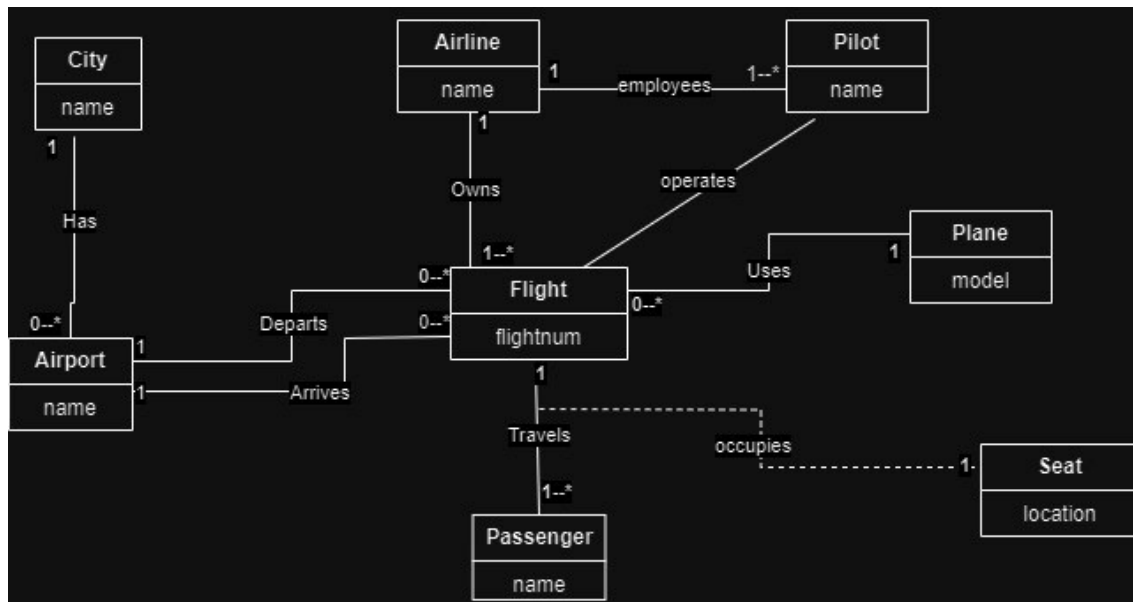
Q1)

Q2)

Q3)

City
name

1

Has

0--*

Airport
name

1

1

Departs

Arrives

Airline
name

1

1

Owns

1--*

employees

1--*

Pilot
name

operates

0--*

0--*

Flight
flightnum

1

0--*

Uses

1

Plane
model

Travels

occupies

1

Seat
location

1--*

Passenger
name

Q4)

Aircraft
type
state
isairborne()
no_of_pilot_needed()

1--*

owns

1

Airline
ID

1

operates

1--*

Flight
ID
ArrivalTime
DepartureTime

1--*

takes
off/depart
from

1

Airport
ID
Location

1

employees

1--*

Pilot
ID
Name
ExperienceLevel

1

roles

1

Pilotrole
role
min_experience