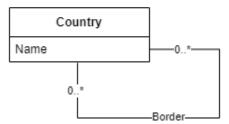
IT-314 LAB 4 Meet Joshi - 202201065

Software Engineering
Class Diagram

Question 1:

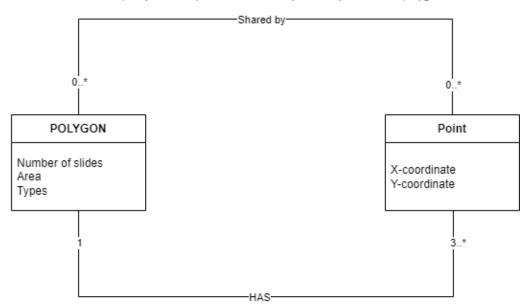




Question 2:



Multiplicity: zero/any number shared by zero/any number of polygon



Multiplicity: polygon must have three side means must have at least 3 points

The smallest number of points required to construct a polygon is at least 3.

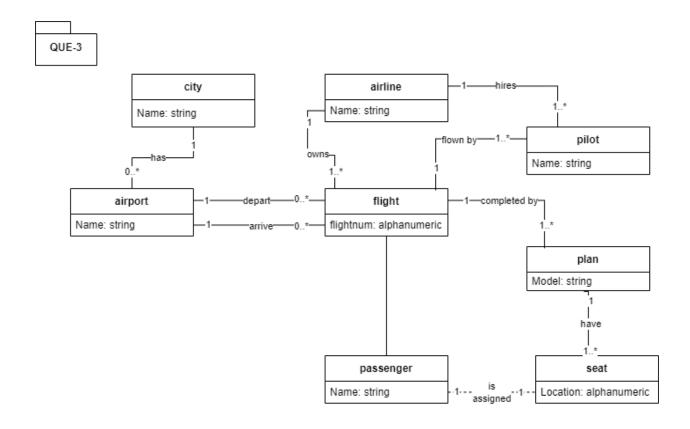
Q. Does it make a difference whether or not points may be shared between polygons?

- Yes it makes a difference.
- If points or polygons share a vertex or sides, whereas if points are not shared, polygon will be distinct.

Q. does the order of the point matters?

- Points must be ordered to define the shape of the polygon.

Question 3:



Question 4:

