

# IT-314 LAB 4

**Meet Joshi - 202201065**

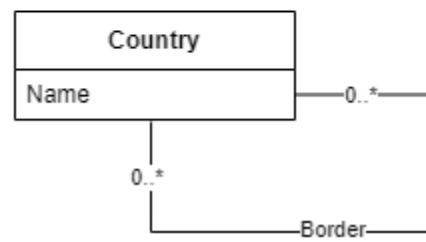
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**Software Engineering**

**Class Diagram**

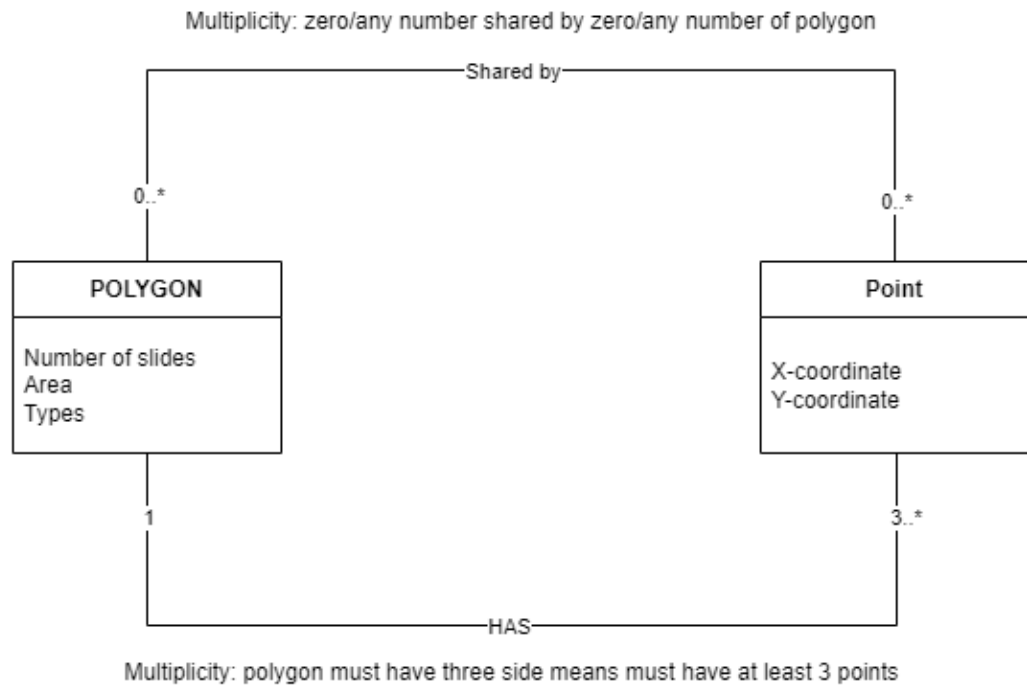
## Question 1:

QUE-1



## Question 2 :

QUE-2



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

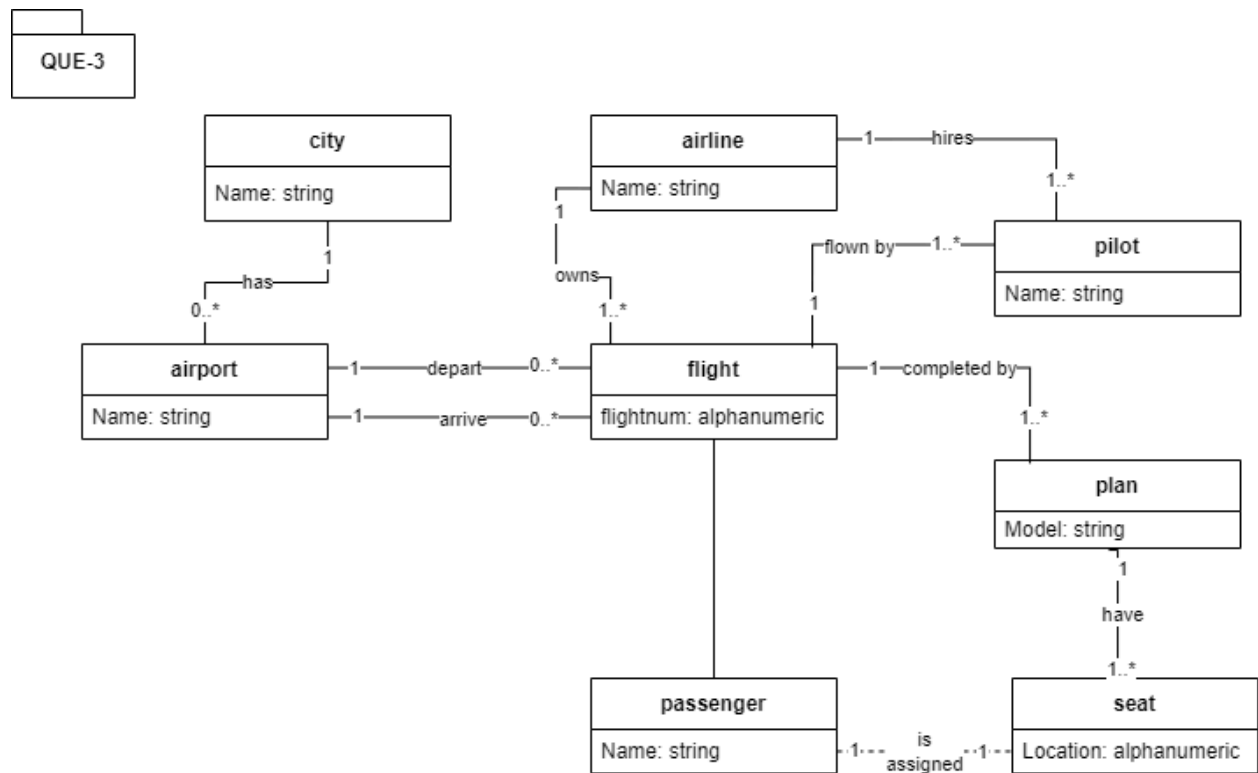
**Q. Does it make a difference whether or not points may be shared between polygons?**

- 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:

