



IT314 - Software Engineering  
Lab - 4

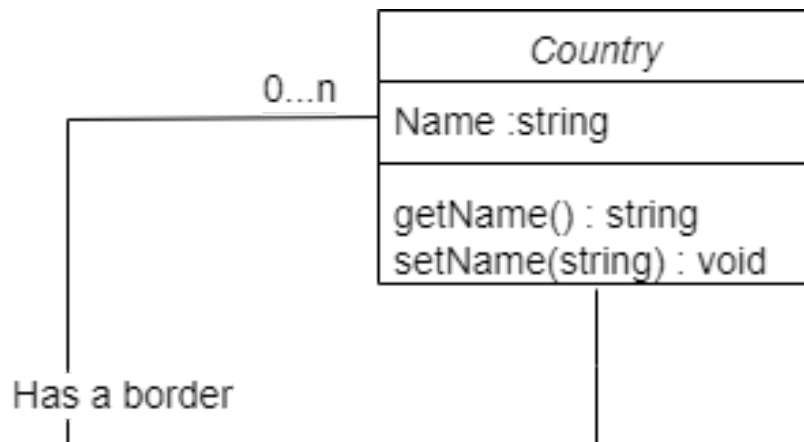
202201206 - Vatsal Patoliya

**Q.1** Prepare a class diagram for the following object diagram that shows a portion of Europe.



Figure-1

Ans :



Q.2 Prepare a class diagram for object diagram given in Figure -2. Explain your multiplicity decisions.

What is the smallest number of points required to construct a polygon?

Does it make a difference

whether or not point may be shared between polygons? Your answer should address the fact that points are ordered.

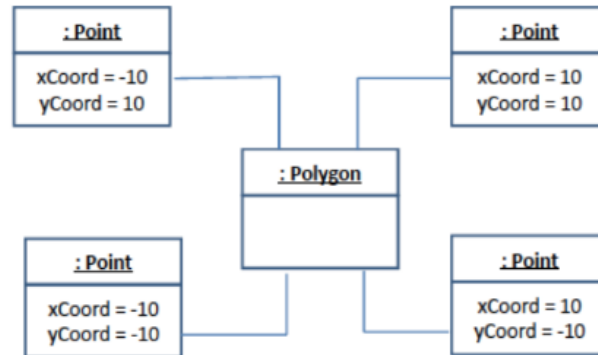
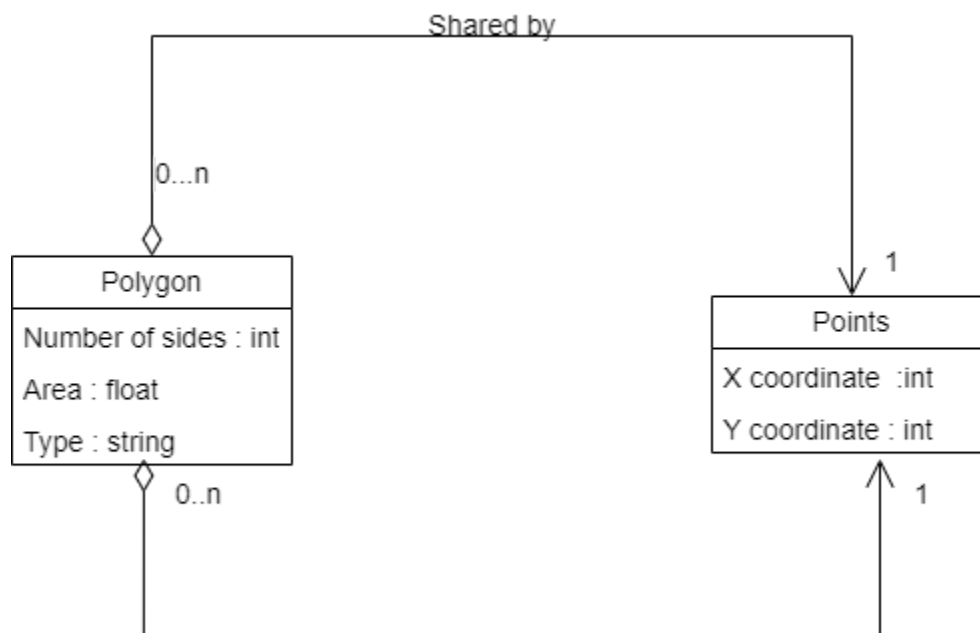
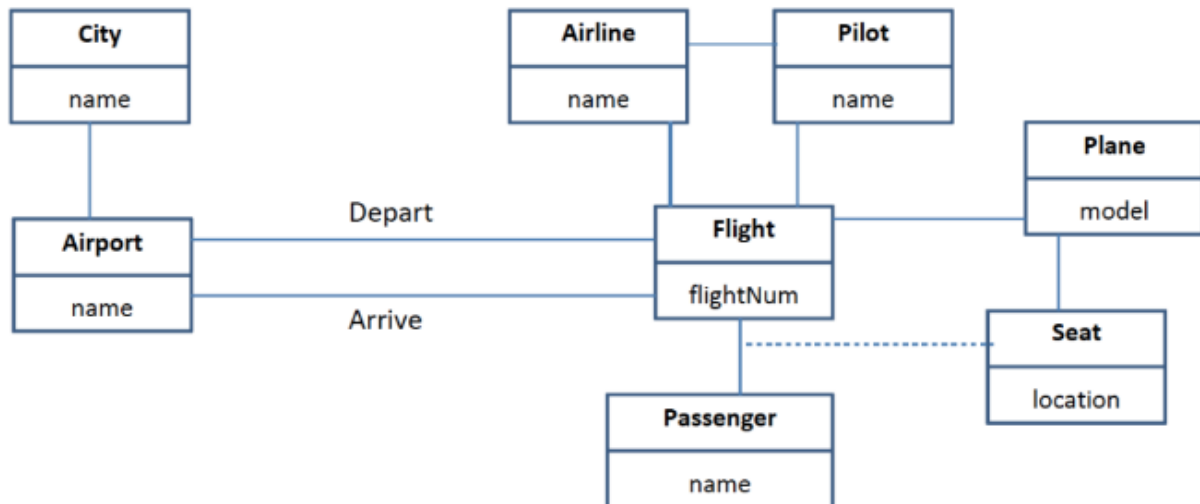


Figure - 2

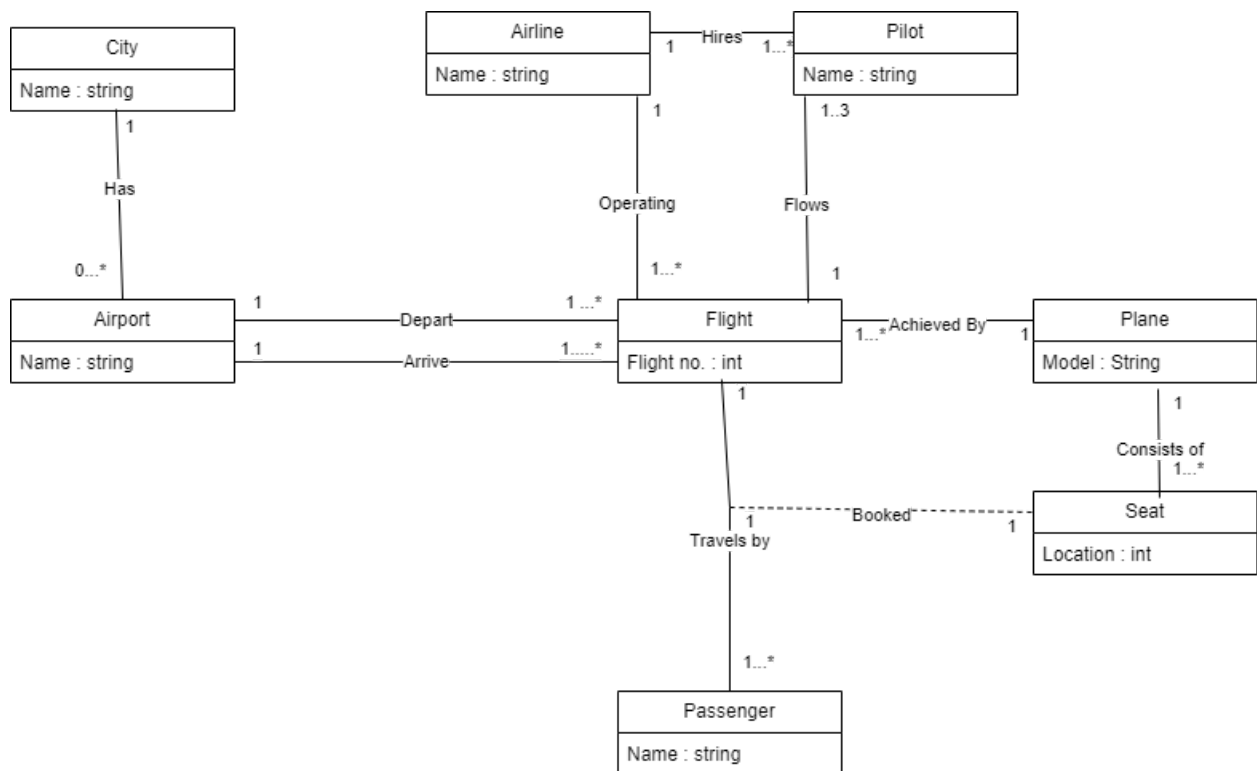
Ans :



Q-3) Figure 3 is a partially completed class diagram of an air transportation system. Add multiplicities in the diagram. Also add association names to unlevelled associations.



Ans :



Q-4)

Ans:

