



IT - 314 SOFTWARE ENGINEERING LAB-4

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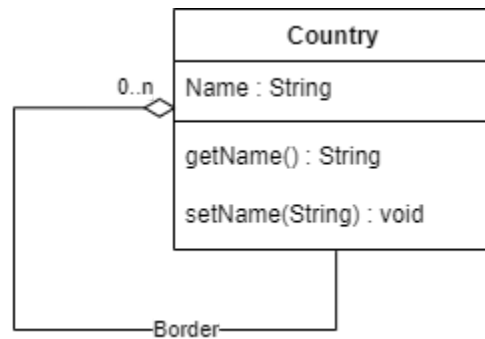
CLASS DIAGRAM

QUESTION-1

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



Figure-1



QUESTION-2

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.

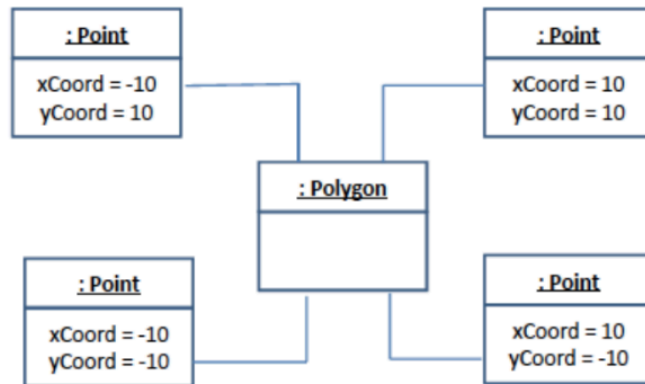
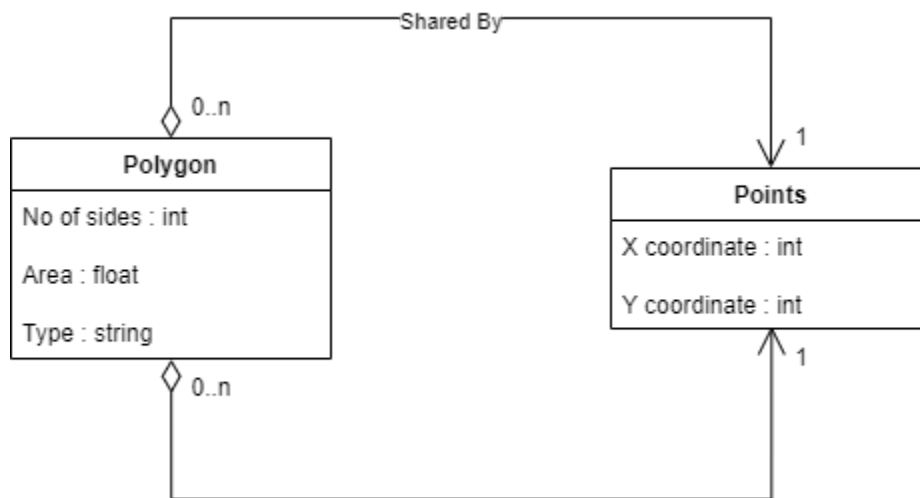
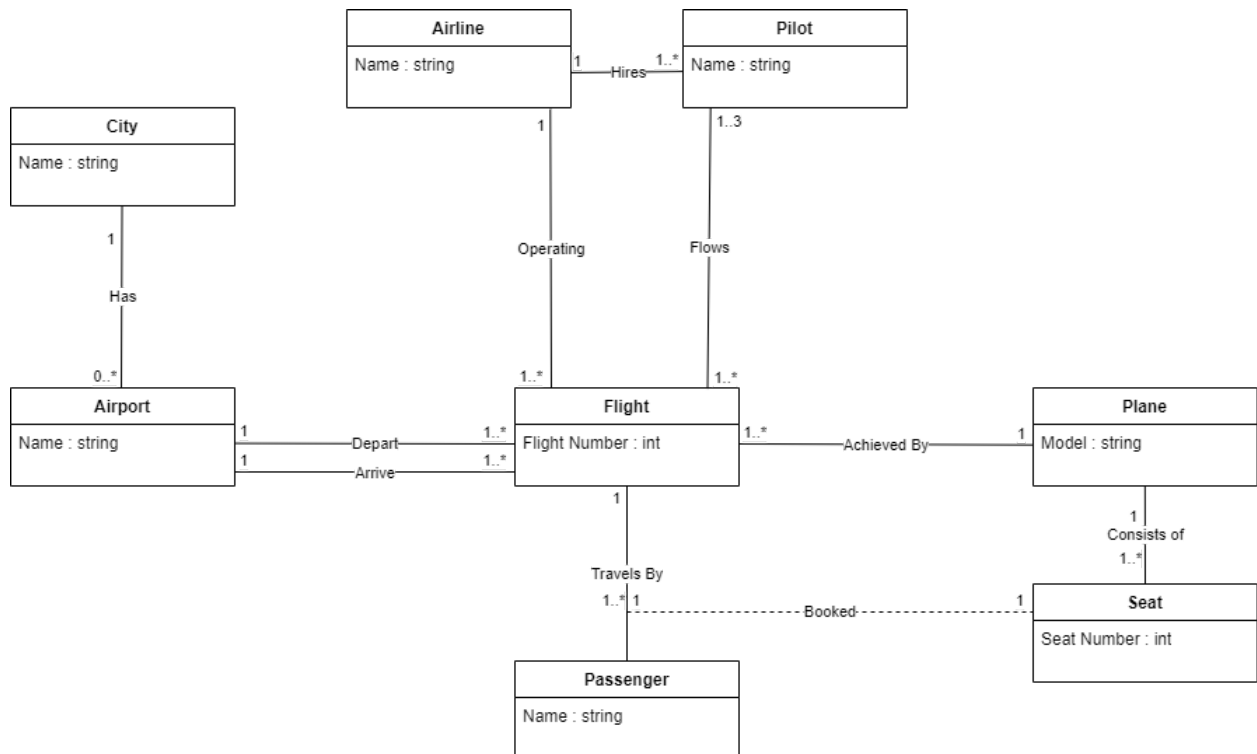
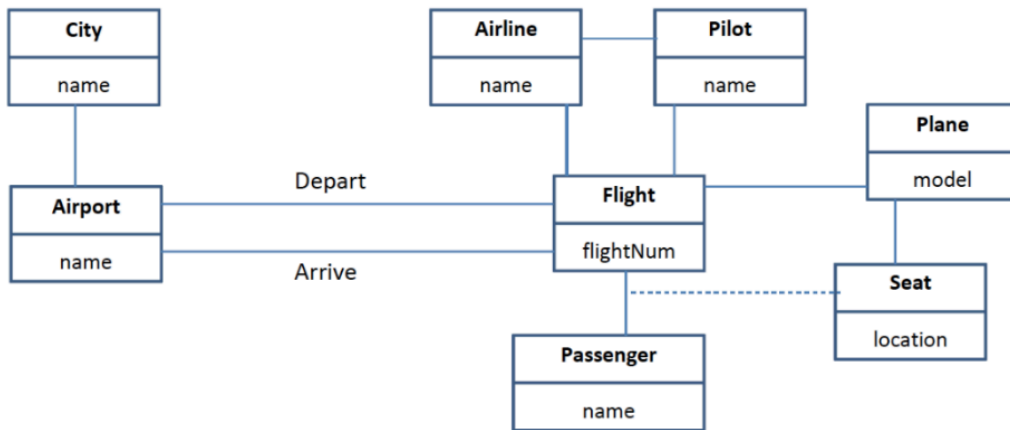


Figure - 2



QUESTION-3

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.



QUESTION-4

