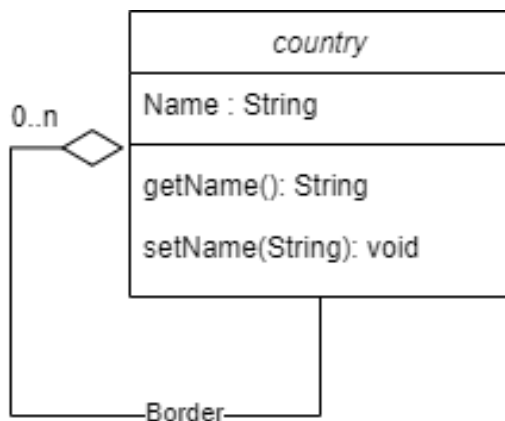


IT-314 SOFTWARE ENGINEERING LAB-4

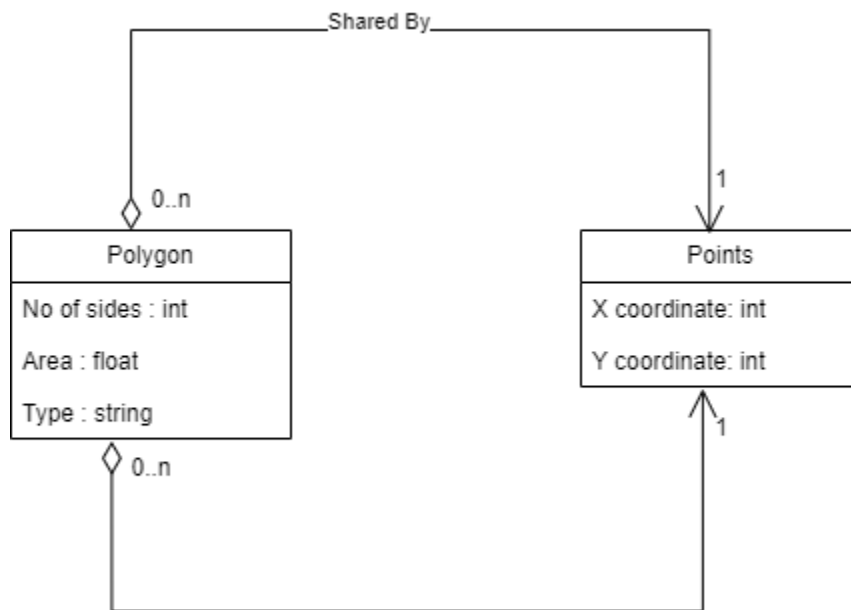
Student id-202201005
Name-Akhil Rachhadia

CLASS DIAGRAM

QUESTION 1



QUESTION 2



Explain your multiplicity decisions.

Ans- The multiplicity is 0..n as one polygon can have many points and one point can be a part of many polygons.

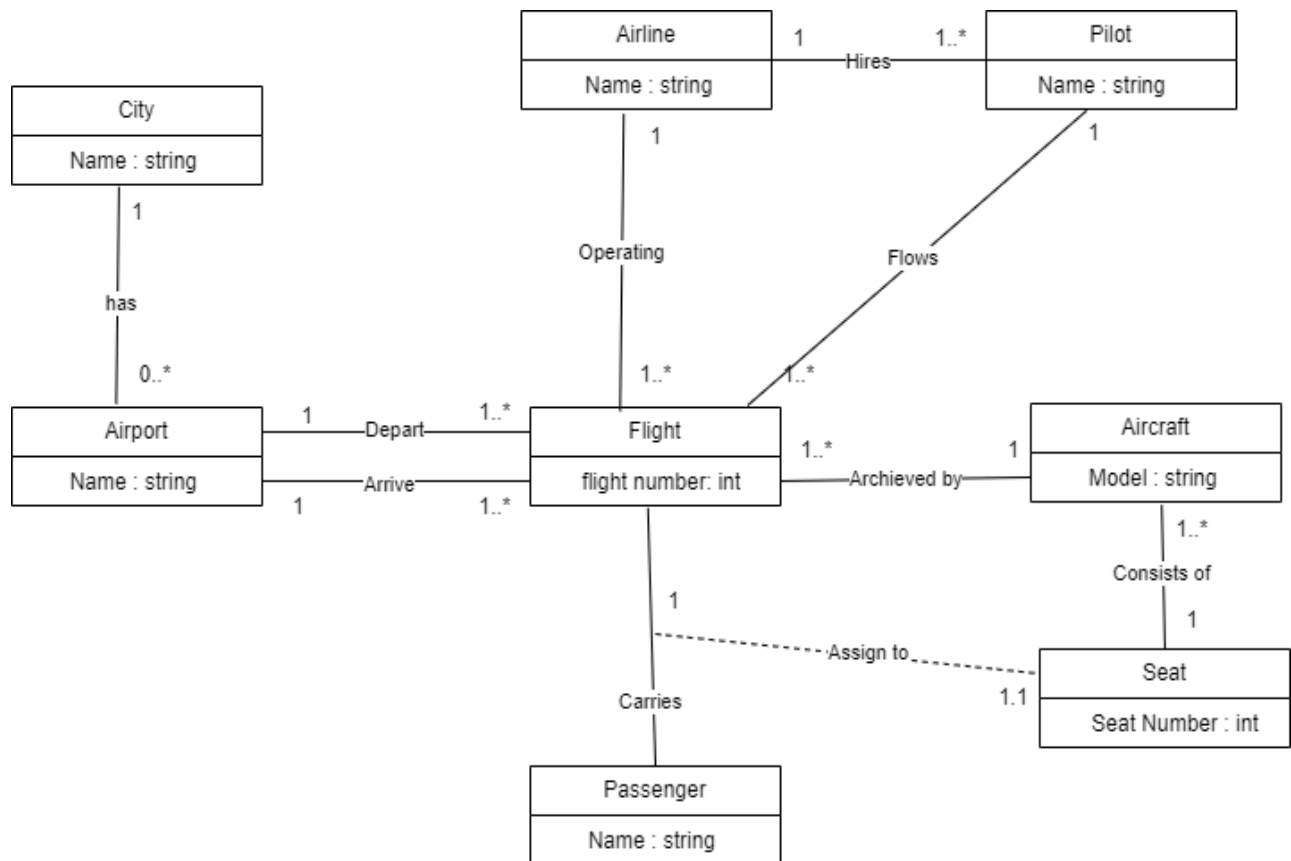
What is the smallest number of points required to construct a polygon?

Ans- The smallest number of points required to construct a polygon is 3 non-collinear points.

Does It make a difference whether or not point may be shared between polygons?

Ans- It makes the difference. If points are shared between polygons or vertices are shared between polygons or if points are not shared that polygon is distinct.

QUESTION 3



QUESTION 4

