shared by

POLYGON	
No. of Sides	Int
Area	Float
Type	String

0..*

POINTS	
X-coordinate	Int
Y-coordinate	Int

0..*

3..*

1

has

Multiplicity Decisions:
1. Polygon "1" -- "3..*" Point : consists of
A polygon consists of at least three points.

2.Point "1..*" -- "1..*" Polygon : part of
A point can belong to one or more polygons, and each polygon can share points with other polygons.

Smallest Number of Points:
The smallest number of points required to construct a polygon is three.

Does it Make a Difference Whether or Not Points May Be Shared Between Polygon ? (Yes)

Points can belong to multiple polygons, allowing polygons to intersect or share edges. Points belong to only one polygon, representing distinct, non-intersecting polygons.

Ordered Points: In a polygon, the order of the points is crucial because it defines the shape of the polygon.