Xara Test Question 2

**Structure:-**

There is only one class named Rectangle which has all the abelites to generate an rectangle with all of the properties. I used this one class because all of the functionality is depending on rectangle so buy using the single class structure I achieve me goals which are following

Creating a rectangle

Adding dragging ability

Adding corner handle

Providing the API for external methods

1.Setting its position on the screen: rectangle.setPosition(100,200);

2.Setting its size: rectangle.setSize(50, 60);

3.Setting the corner radius: rectangle.setCornerRadius(10);

4.Serialising its state to JSON data: rectangle.toJSON();

**Testing :**

You can perform testing by adding my script file. For example

<script src="rectangle.js"></script>

<script>

//class object

let rect = new Rectangle();

let myrect = rect.getRectById(1);

myrect.setSize(400, 400);

console.log(rect);

</script>

You can also use jest.

**Note:- names of methods are defined very well and also you can find comments in the code for more details about what is a particular method doing.**