

## PointRepository: examples of extra features



### ***Iteration 2***

The program manages several points (class ***PointRepository***) and allows operations such as:

1. Get all points that are inside a given rectangle (up-left corner, length and width given)
2. Get all points that are inside a given circle (centre of circle, radius given)
3. Get the maximum distance between two points
4. Get the number of points of a given colour
5. Update the colour of a point given its coordinates
6. Shift all points on the x axis
7. Shift all points on the y axis
8. Delete a point by coordinates
9. Delete all points that are inside a given circle
10. Delete all points within a certain distance from a given point