# Graph Coloring

**1.** Allow user to generate random graph or import a map.

**2.** Map or graph will show up here

## Generate a graph or map

Generate random graph

Import map

**3.** User selects which algorithm to color the graph

## Select your algorithm

Greedy

Welsh Powell

Dsatur

▷ Start simulation

**4.** Start simulation and an animation in the graph showing the step by step of the coloring

Graph type:

Algorithm:

Time Complexity:

Space Complexity:

Runtime:

Number of Colors:

**5.** Final results with all the data related to the algorithm and graph complexity.



*Design by Paris Mollo*