**Documentation**

**Graph Visualiser (Command Line Version)**

***Dependencies***

Graph visualiser uses relies on the networkx module in python which itself requires numpy and matplotlib.

***Tutorial***

*Format*

Instructions should be formatted in the following way:

*command graph\_name [graph type] num\_nodes [num\_nodes\_bipartite]*

*Basic Commands*

**Draw** – Draws the graph you specify.

**Colour** – Colours the graph such that no two adjacent nodes share the same colour.

**Save** – Saves a jpeg image of the graph you specify.

*Graph Names*

**Complete** – A graph with an edge between every node.

**Cycle** – A graph that forms a simple circuit or cycle.

**Ladder** – Good question.

**Path** – A degree two at every node apart from its ends.

**Star** – A null graph that has had all its vertices attached to a central one.

**Wheel** – A cycle graph that has had all its vertices attached to a central one.

*Graph Types*

**Bipartite** – Two colourable graphs. They require two numbers to specify.