**Manual Test Plan for Data Visualization**

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6. **General Look**
   1. Yellow point: movies
   2. Blue point: actors
   3. Grey line: connections
   4. Will show up in local file visualization.html
   5. The graphs used in this manual test plan would all be this size just for convenience. However, it can be resized. See part 5 for more examples.

A picture containing sky

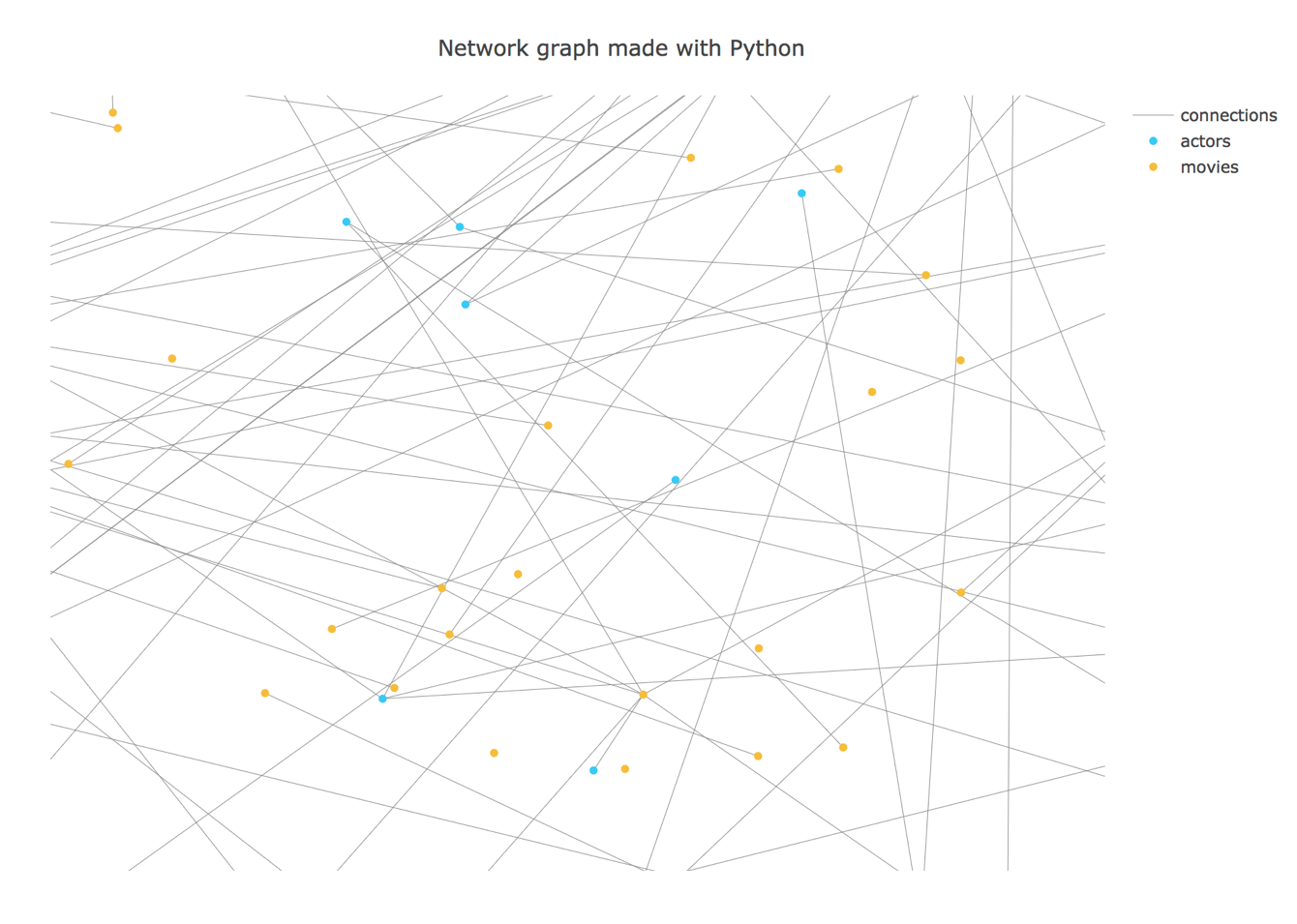
Description automatically generated

1. **Zoom in and out**
   1. Use mouse to drag an area to zoom in on the screen

A screenshot of a computer

Description automatically generated

Below is the result:

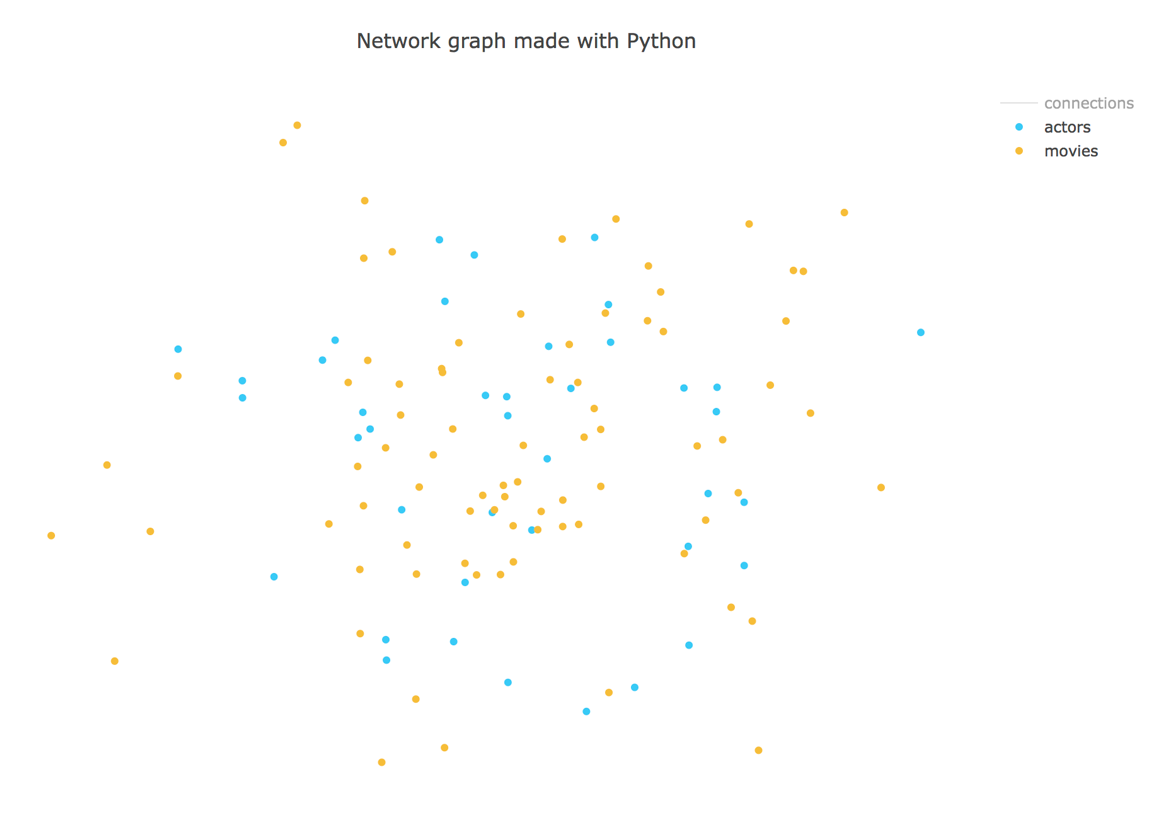


* 1. Double click to cancel zoom in

A picture containing sky, indoor

Description automatically generated

1. **Hide nodes or edges**
   1. Click on the connections tag on the right to hide connections



* 1. Click again to cancel (same for nodes)

A picture containing sky, indoor, map

Description automatically generated

* 1. Click on the actors tag on the right to hide connections

A picture containing sky

Description automatically generated

* 1. Click on the movies tag on the right to hide connections

A picture containing sky

Description automatically generated

1. **Suspend to see detail info**
   1. Click on actor node

A picture containing sky, text, map, indoor

Description automatically generated

* 1. Click on movie node

A picture containing map, sky, text

Description automatically generated

1. **Resizable**

See examples below:

A picture containing sky

Description automatically generatedA picture containing sky, map, text, snow

Description automatically generated

1. **Random generated positions**
   1. The nodes and node info are fixed
   2. The node positions are random

See another graph generated below:

A picture containing text, map, sky, indoor

Description automatically generated