HW8 Features

Functions:

Keyboard Button Actions:

Finding Path:

- Using the two text boxes in the top lefthand corner of the screen, type in two building names or ids. If both are valid, the optimal path will be shown on the map in green. If either name/id is invalid, a block of red text will appear saying to reenter the names. The square with the X marks the start of the path.

Clear current path / error message:

- When an optimal path is highlighted or the error message appears, click the clear button to remove the path/message as well as your inputs into the text boxes.

Zoom In/Out:

- Using the Page up and Page down keys on the keyboard, you can zoom in and out of the graph. This is limited to a min and max zoom to prevent any potential issues.

Move around the graph/map:

- When viewing the graph, use the arrow keys on the keyboard to move around the graph. If your cursor in in the textboxes, either submit via hitting enter or hit escape to allow you to move the graph

Escape key:
- Focus the actions of the GUI on the map, allowing for the keys below to be used.

Up Arrow key:
- Move the graph/map up.

Down Arrow key:
- Move the graph/map down.

Left Arrow key:
- Move the graph/map left.

Right Arrow key:
- Move the graph/map right.

Page Up:
- Zoom Out of the graph/map.

Page Down:
- Zoom into the graph/map at the center of the pane.

Enter:
- Submits whatever you have in the two text boxes, building 1 and building 2, to find the optimal path if there is one.