

# CSCI 716: Assignment 3 Report

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Readme, restated (this looked better as markdown):

This is our trapezoidal maps project page in a state that satisfies assignment 3.

TO RUN LOCALLY:

- Install python 3 if you don't have it
- Run 'python3 -m http.server' from the project root directory (where this file lives)
- Navigate Chrome or Firefox to 'localhost:8000' to see the page
- Follow LOAD instructions below

TO VIEW WITHOUT USING THIS CODE:

- Navigate to <https://cs.rit.edu/~qt2393/trapezoidal-maps/>
- Follow LOAD instructions below

LOAD:

- To select one of the class files:
  - choose a student ID from the dropdown menu
  - Press the 'Load' button.
- To load a text file, in the same format as class files:
  - 'Choose File' to select your file from your explorer
  - 'Load from File' to get the file processed
- Follow RUN instructions for next step

RUN:

- Press the 'Start' button below the frame to insert a single segment.
- 'Step' until all segments are inserted.

- When all segments are inserted, the button will become inactive, and the map will become interactively queryable
- Additionally, the Adjacency matrix will be displayed at the bottom of the page.
- To Query the map: look below!

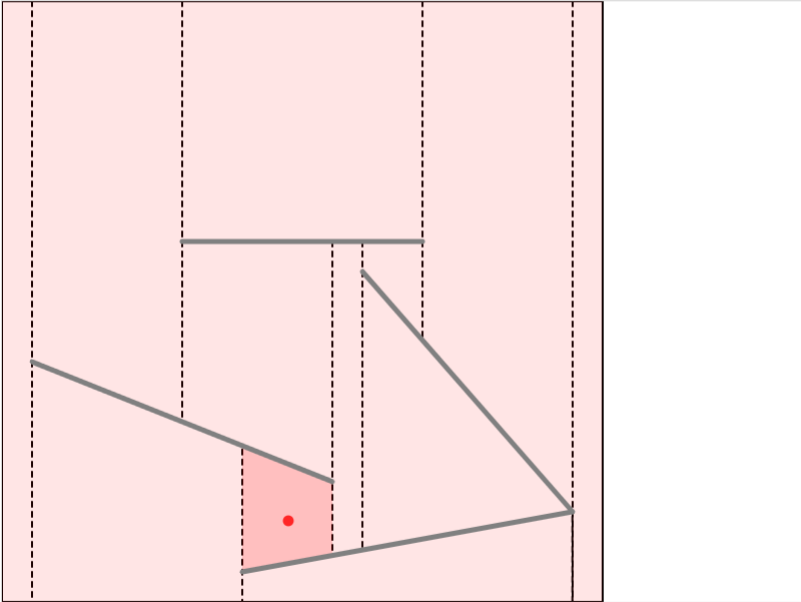
#### QUERY:

- Once a segment is added, the map can be queried by entering a point's x and y values into the text boxes and selecting 'Submit'
- Once **\*\*ALL\*\*** segments are added, the map becomes click-able, and a mouse can be used to query the map.
- Query paths are logged to the console - view these with F12.

**An Explanation of Trapezoidal Maps**

Choose an input id:  Load

Or select a file Choose File No file chosen Load from File



Done

