General Instruction

- Submit uncompressed file(s) in the Dropbox folder via BeachBoard (Not email).
- 1. (40 points) Implement a route finder program using **A* algorithm** with Jupyter Notebook.
 - i. Find map.txt and distances.txt.
 - ii. map.txt stores actual distances between connected cities.
 - iii. distances.txt stores straight-line distances between cities and Bucharest.
 - iv. The program should be able to take a departing city as an input.
 - v. The program should output a best route (based on A* algorithm) from the departing city to Bucharest.
 - vi. An expected output.

From city: Arad To city: Bucharest

Best route: Arad - Sibiu - RimnicuVilcea - Pitesti - Bucharest

Total distance: 418

vii. Submit a-star.ipynb file.