CS 411: Artificial Intelligence I
Programming Assignment 1
Due: Sunday of Week 3 11:59pm

This portion of the assignment may be completed individually or in groups of 2.

Complete Project 1 at: `https://inst.eecs.berkeley.edu/~cs188/fa18/project1.html`, Questions 1–8. **Use the version of the files posted rather than those linked in the project to avoid an error about cgi.escape in recent versions of Python.**

Your code for files `search.py` and `searchAgents.py` should be submitted via gradescope for evaluation. Please submit **only** these files, and make sure they are in the root of the zip. (That is, make sure to zip the files themselves, not the directory that contains them.) **It must be your own (or you and your partner's) code and should not be copied from any other source.** We will check for similarity to other submissions and existing resources available on the web for any cheating.

Detailed submission instructions:

1. Please submit the listed files only

2. If you worked with a partner, make sure to do it as a group submission on gradescope so that all of you get credit.

Hints: (i) Graph search is almost always better than tree search. (ii) Implement your closed list as a dict or set! (iii) Nodes are conceptually paths, but better to represent with a state, cost, last action, and reference to the parent node

Grading standards:

- Full Credit (1.0): ≥ 20 points on autograder

- Partial Credit (0.5): $15 - 19$ points on autograder

- Some Credit (0.25): $9 - 14$ points on autograder

- Insufficient evidence (0): ≤ 8 points on autograder