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## CAP 5636 – Fall 2021 - Homework 2 - Search

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Due: Sept 21, 2021

### Instructions:

- Remember that the homework is **individual** work.
- Points add up to 10, with 8 + 2 bonus points

**Homework journal:** For this homework, you need to document the progress of the solution in a Homework Journal. This is a series of screenshots on the progress of the homework, labeled as nnn-text.jpg. For instance:

001-Original code.jpg

002-After creating the learning code.jpg

...

012-First try for running.jpg

Screenshots should document evolution of the code, the tries, challenges, the breakthroughs etc. of the process. Feel free to also document the bugs and how you fixed them.

The easiest way (on Windows) to do this is by hitting Windows Key + Prnt Screen when a step is achieved. On Ubuntu, you simply hit PrntScreen. You can select, crop and rename the pictures later. Please crop away any private information from your screen.

**Note about academic honesty:** The projects on the Berkeley class have been around for a while. A number of people had posted solutions of various quality to github, bitbucket etc. For instance, you can google:

“berkeley ai project :site github”

to find at least 10 different projects. Here is a list of some of these projects: advaypakhale, angelahnicole, dgggit, druyvchadha2212, jasonwu0731, karlapalem, Matiatus, molson194, OctaviPascual raymondngiam, rsk2327, shiro876, Shourov1. We **will** run a soft comparison checker between your implementations and a growing collection of other projects (as well as between the projects submitted by students on this class). Projects with plagiarized code will receive a 0 grade.

### Step 1: Problems Q1.. Q4 from Berkeley AI search project (6 pts)

Solve problems Q1 to Q4 from the Berkeley AI search project:

<http://ai.berkeley.edu/search.html>

Correction: please use the link below for a version where the code is updated for Python 3.

<https://inst.eecs.berkeley.edu/~cs188/fa18/project1.html>

Submit:

- the changed files
- the homework journal for this step.

Step 2: Problems Q5 and Q6 from the Berkeley AI search project (2 pts)

Submit:

- the changed files
- the homework journal for this step.

Step 2: Problem Q7 from the Berkeley AI search project (2 pts)

Submit:

- the changed files
- the homework journal for this step.