Links to AI tools

Hi all,

Below I list some useful links I showcased during the lectures:

Interactive Path Finding Search Algorithms

https://qiao.github.io/PathFinding.js/visual/
 (Links to an external site.)

Planning.domains

You can find a few tools available online. You'll find the **education** section and the **editor** as the most useful tools for the course.

http://planning.domains/
 (Links to an external site.)

Online PDDL Editor

The online PDDL editor has plugins. Explore:

- Import - importing domains and problem files to familiarize on how to model in PDDL

- Solve - Get a solution
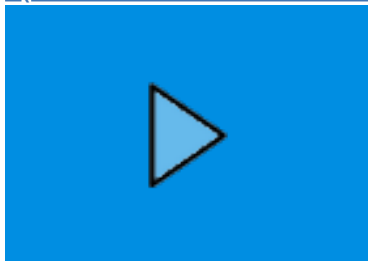
The Planner has been developed using LAPKT: http://lapkt.org
 (Links to an external site.)

- Planimation - Visualize solutions to 4 domains (Blocks, Logistics, Grid, and Towers of Hanoi)

More about Planimation:

Planimation
 (Links to an external site.)

It's an open-source tool developed by MIT students in a year-long project. Feel free to get in touch if you want to contribute. For example, we need to model animation profiles for the PDDL

domains of problems from previous IPCs (import button in the editor). Get in touch if you want to make contributions. Animation profiles can be found here: https://github.com/planimation/documentation/tree/master/Demo%20Files (Links to an external site.)
- Misc PDDL Generators
http://editor.planning.domains/ **(Links to an external site.)**

Offline PDDL plugin for VScode

This plugin has been developed by the industry and has been integrated with the online editor and solver.

https://marketplace.visualstudio.com/items?itemName=jan-dolejsi.pddl&ssr=false#overview **(Links to an external site.)**

I recommend watching at least the first 2 episodes and browse the documentation:

https://github.com/jan-dolejsi/vscode-pddl/blob/master/client/README.md (Links to an external site.)

https://www.youtube.com/channel/UCAEydtNJWPORB8eskdVrhJg (Links to an external site.)

https://github.com/jan-dolejsi/vscode-pddl-samples (Links to an external site.)

Feel free to contribute to the project.

Note that he talks about PDDL features we are not going to cover in the course, like Temporal (durative-actions) or Numeric planning.

Planning.wiki

As the name says, a wiki about Planning and PDDL

https://planning.wiki/ **(Links to an external site.)**

PDDL Book

Read the first 2 chapters of the book

An Introduction to the Planning Domain Definition Language -

Free e-copy in UoM Library

Blog - Tutorial on PDDL

http://www.primaryobjects.com/2015/11/06/artificial-intelligence-planning-with-strips-a-gentle-introduction/