gym-craftingworld

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CHAPTER 1

Installation

Welcome to craftingworld! This guide will get you started.

To start using craftingworld, you'll need to install `gym-craftingworld`

1. First install gym on your environment:

```
pip install gym
```

2. Now install craftingworld:

```
pip install gym-craftingworld
```

3. (Optional) If you want the ability to save renderings of each episode, you need to install pillow:

```
pip install pillow
```

CHAPTER 2

General Information

Error: Unable to execute python code at gen_info.rst:5:

Environment version ‘v0‘ for ‘craftingworld‘ is deprecated. Please use the latest version ‘v3‘.

CHAPTER 3

Custom Environments

in order to create a custom environment, you need to import gym and gym_craftingworld, and then register your own version with the kwargs set as required

```
import gym
import gym_craftingworld

from gym.envs.registration import register
register(id='craftingworldMyCustomEnv-v3',
         entry_point='gym_craftingworld.envs:CraftingWorldEnvRay',
         kwargs={'stacking':True}
         )

env = gym.make('craftingworldMyCustomEnv-v3')
```

then just use the environment as usual.

further details about the init args are below:

CHAPTER 4

Upcoming Features/Fixes

- change the init specs to increase customisation (change number of objects to start with, ensure a minimum of 1 object of a specified type, etc.)
- create tests for code coverage **most important**
- integrate with multiworld for multitask RL

CHAPTER 5

Contribute

If you find an issue or want to contribute to the code in any way, either contact DArcyL@cardiff.ac.uk or raise an issue/make a pull request on the github

CHAPTER 6

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