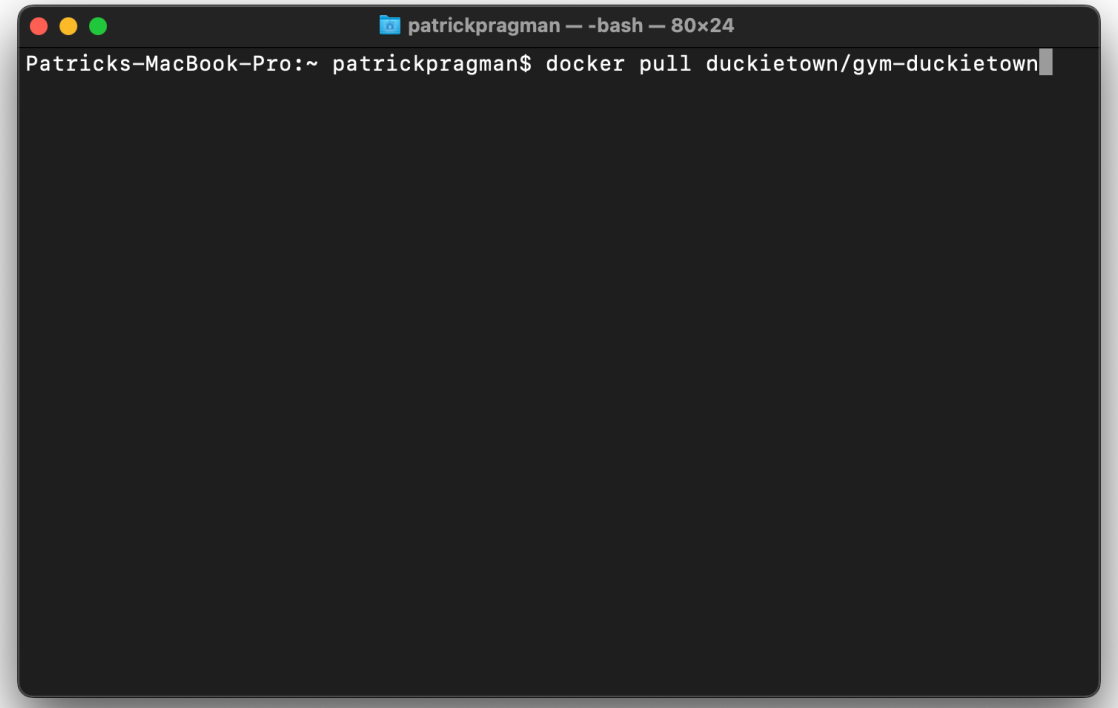
Duckbot Setup

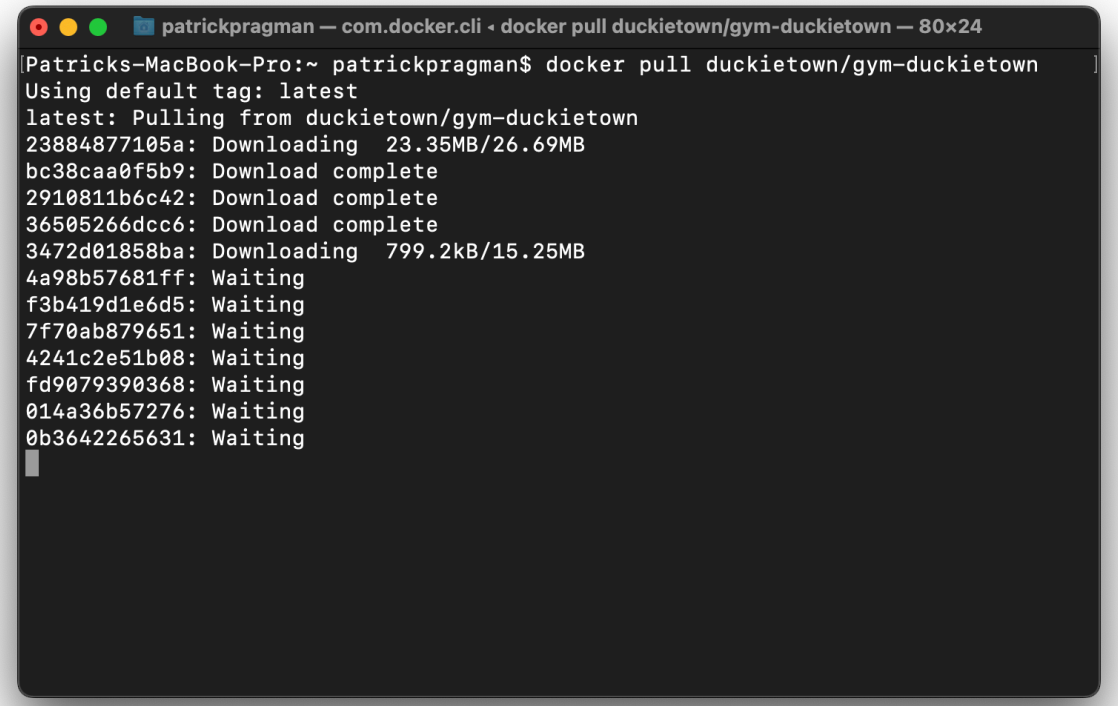
Mac instructions

first install docker on your local machine
Install docker - this is straight forward on macOS and windows apparently, not super straight-forward on popOs!

pull down the duckietown gym from dh
docker pull duckietown/gym-duckietown



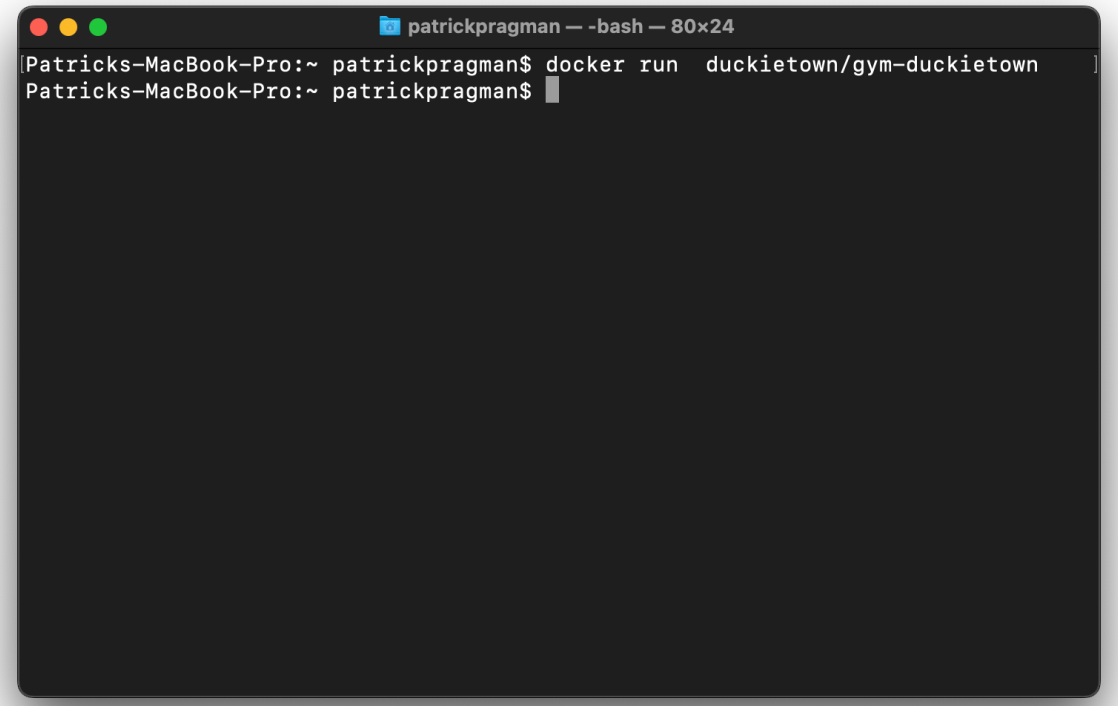
It's big so don't panic if it takes a while



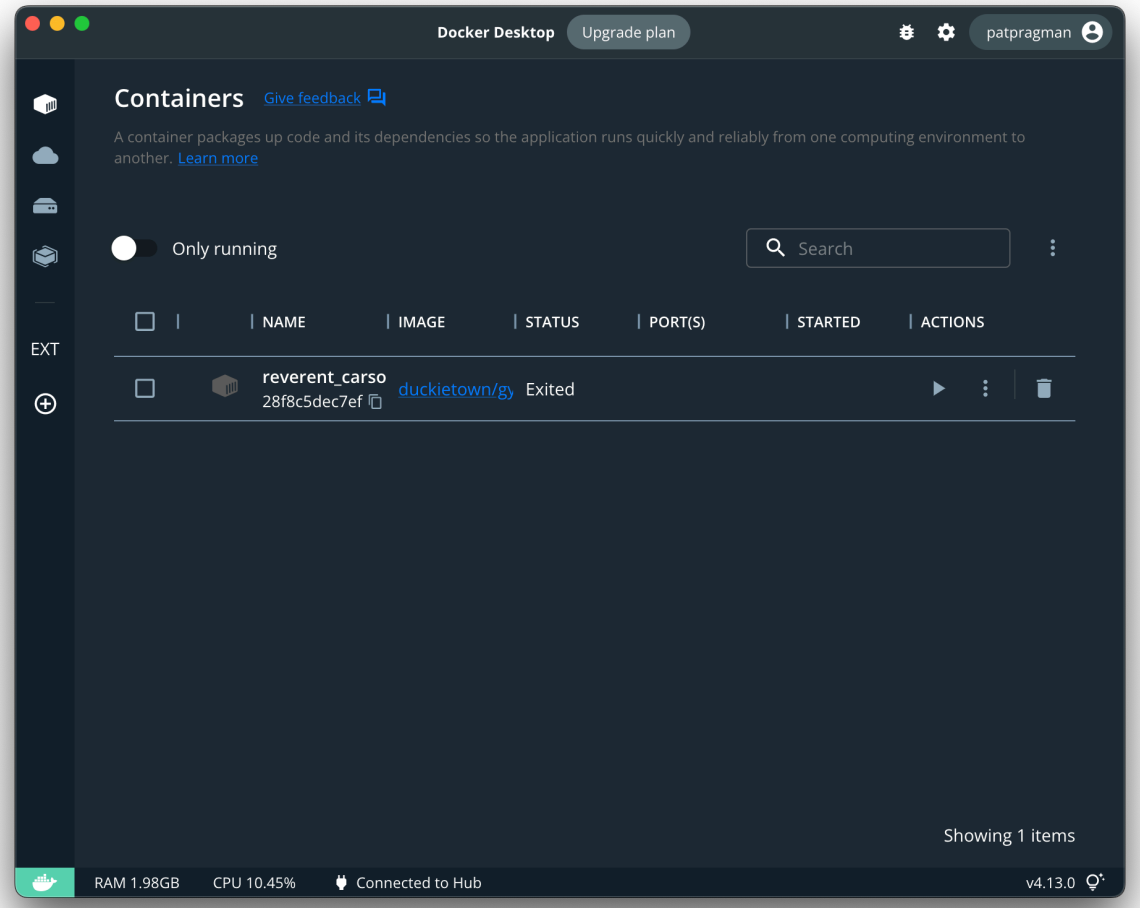
The easiest way to get into the container is to go to docker desktop now - it should have installed as part of installing docker.

On linux it's a little different, let me know if you have any trouble, but I did get running on popOs.

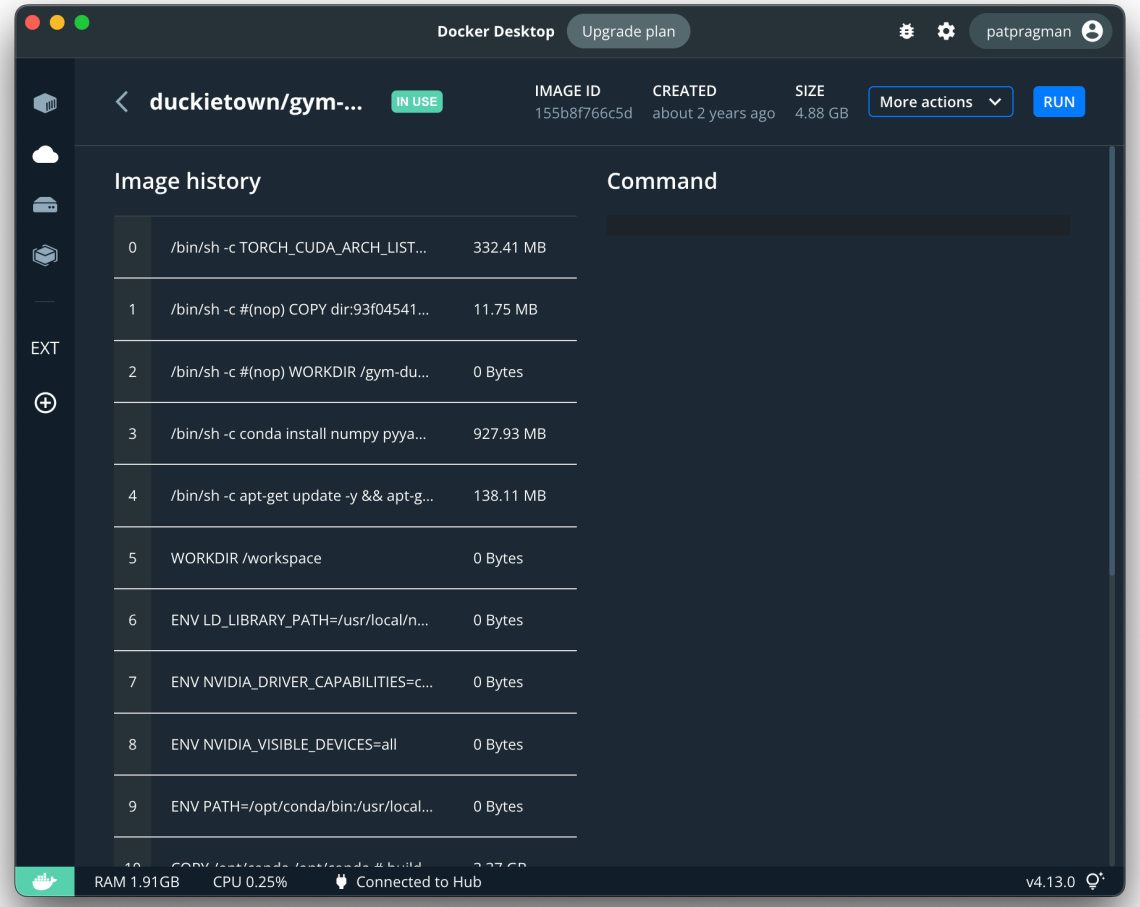
First run the container:



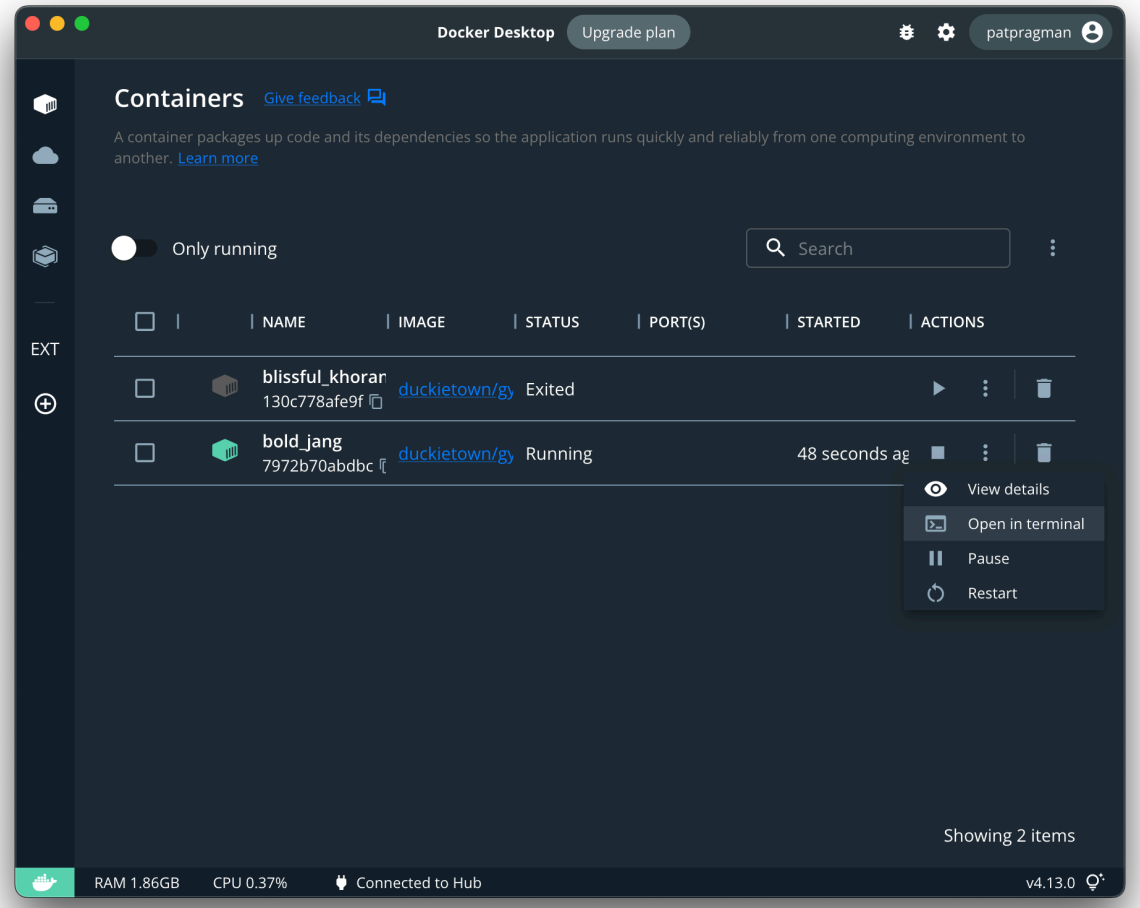
Go to docker desktop. You should see something like this.



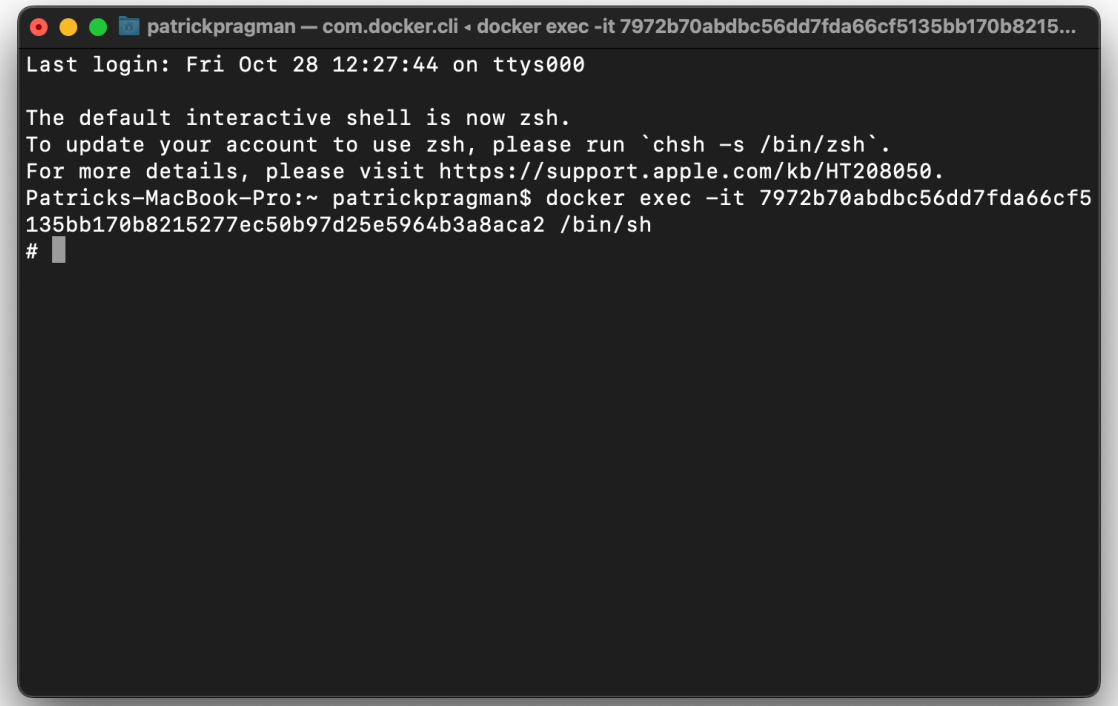
Click on the name



Then “run” in the upper right corner, it’ll spawn another container then bring you back to the container menu - this is a little weird and buggy (also probably operator error on my part), but once you’ve got one that runs and stays running:



Enter it in the terminal, cool a terminal pops up!

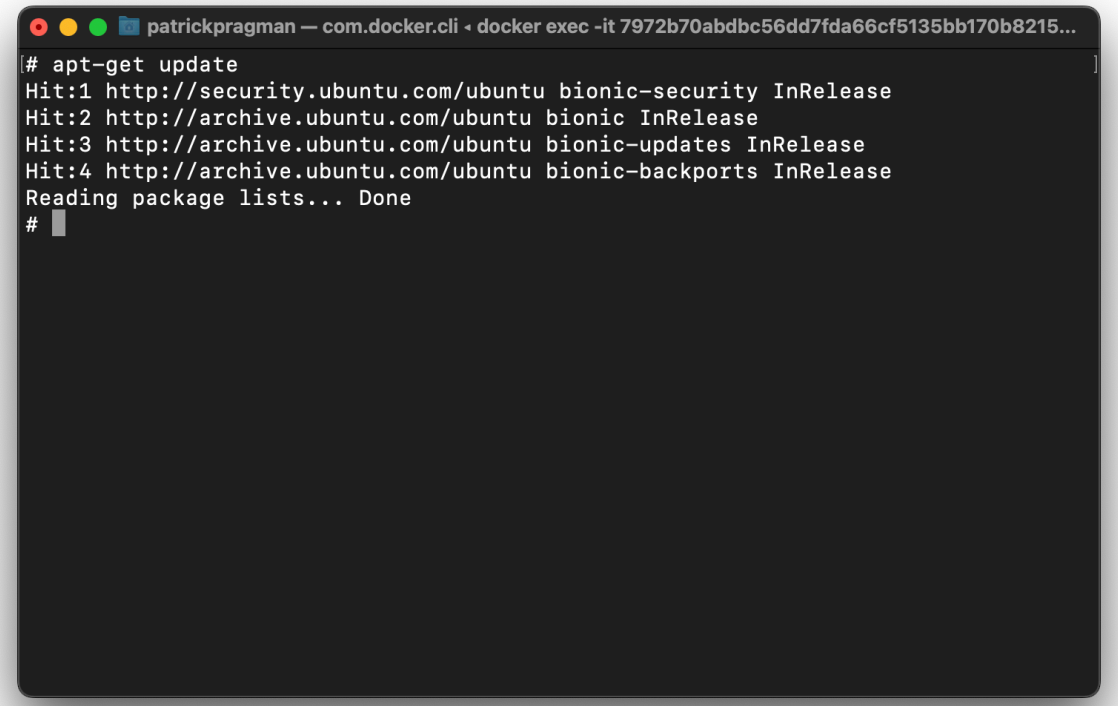


We need to update the container

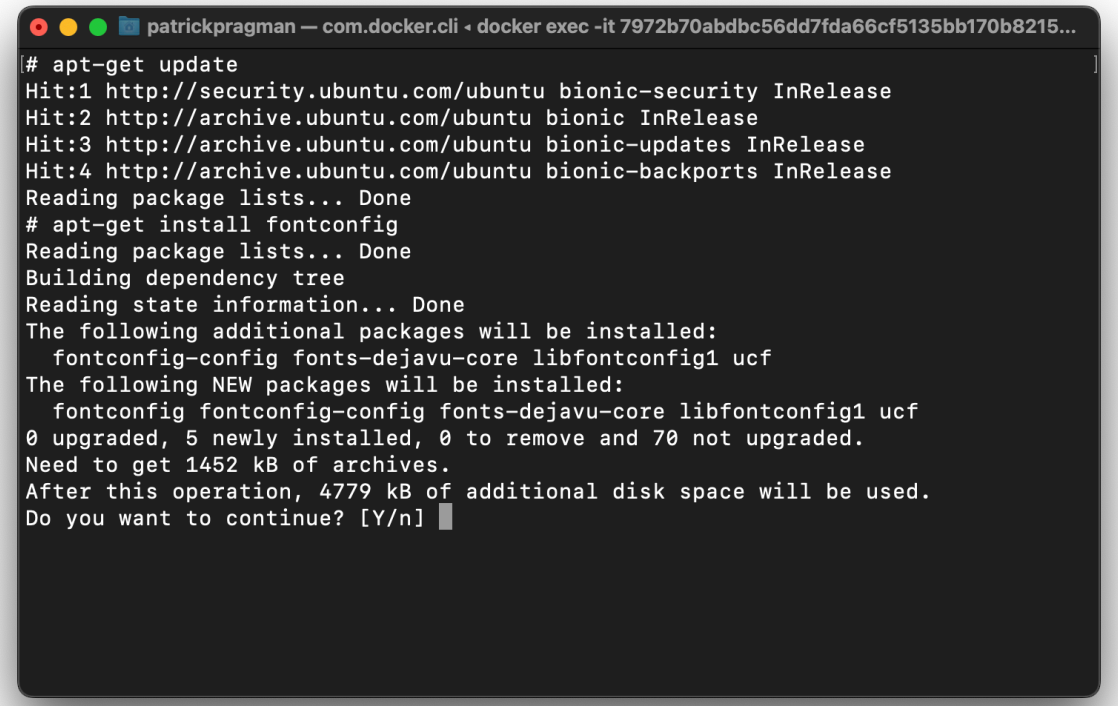
Run the following commands:

apt-get update

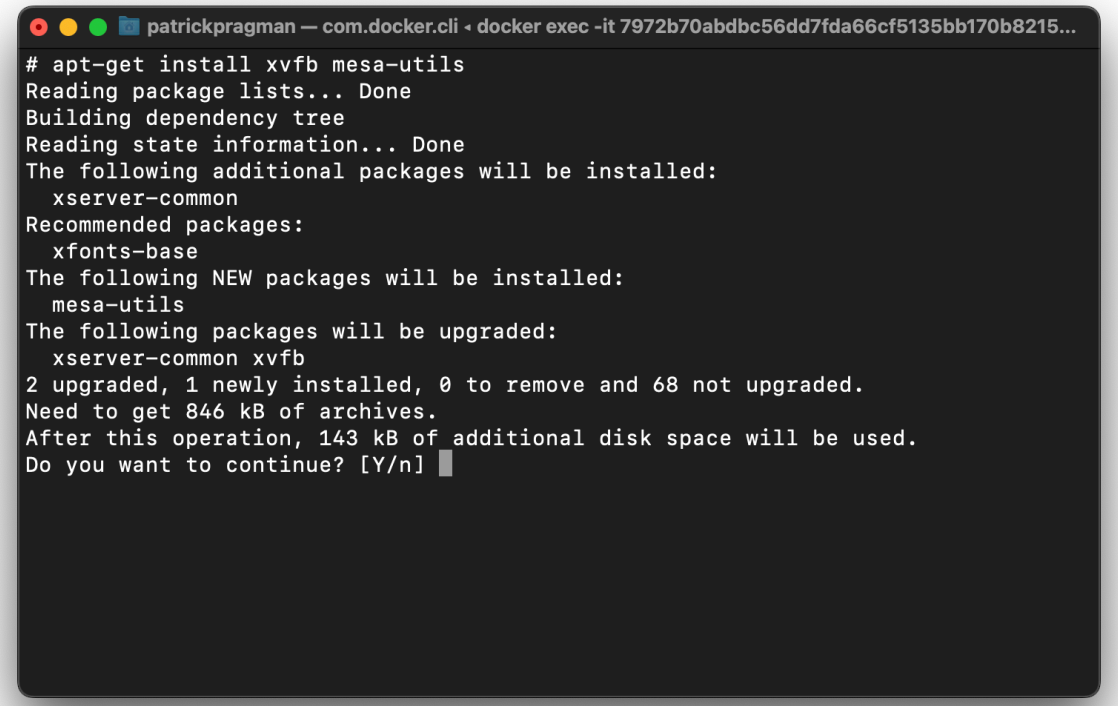
After a bunch of stuff loads, run it again, you should see this:



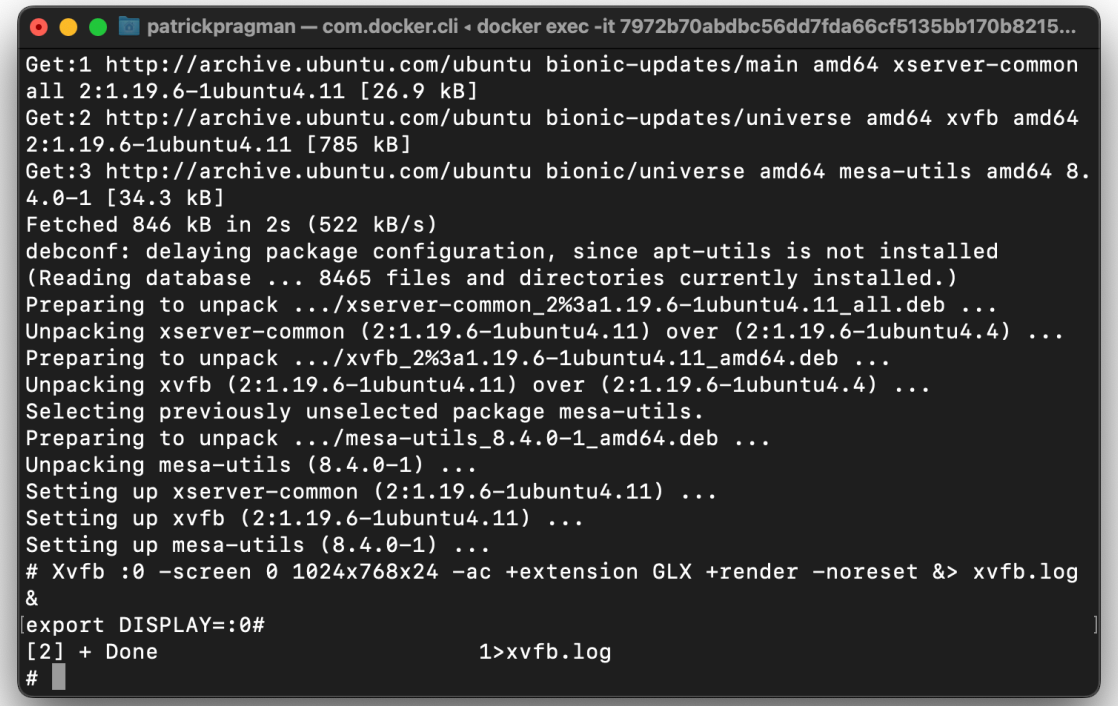
Install fontconfig by running the following command:
apt-get install fontconfig



apt-get install xvfb mesa-utils



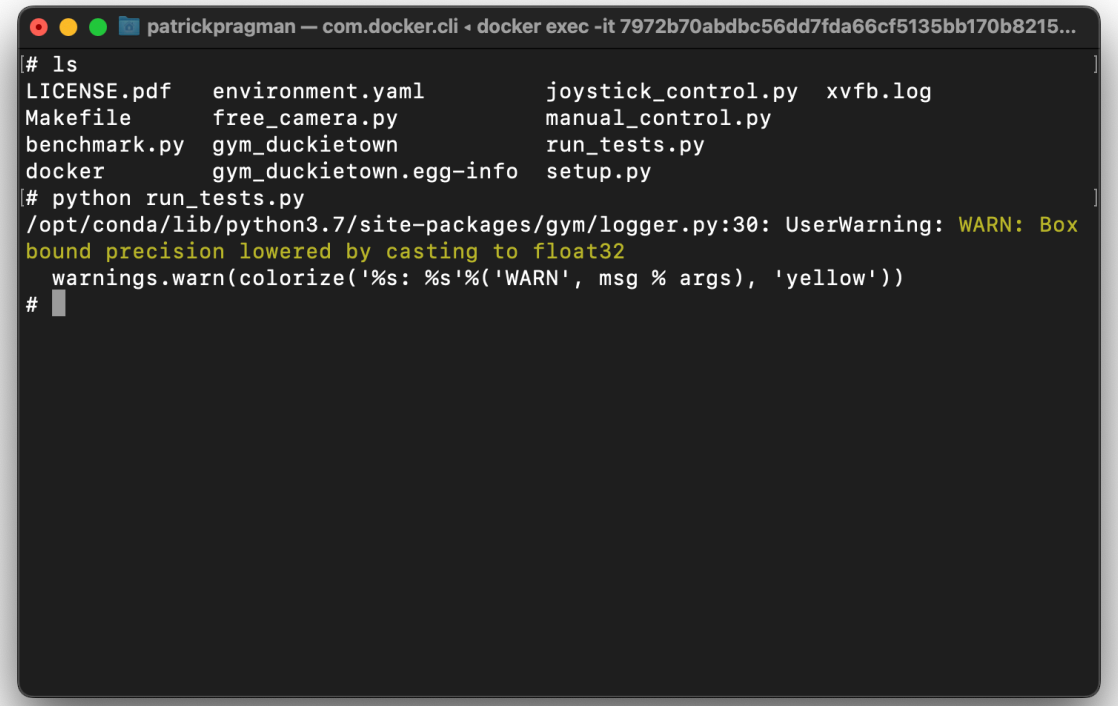
Xvfb :0 -screen 0 1024x768x24 -ac +extension GLX +render -noreset &> xvfb.log &
export DISPLAY=:0



Now you’re ready to run stuff!

Run the tests first,

python run_tests.py


patrickpragman — com.docker.cli ◂ docker exec -it 7972b70abdbc56dd7fda66cf5135bb170b8215...
ls
LICENSE.pdf environment.yaml joystick_control.py xvfb.log
Makefile free_camera.py manual_control.py
benchmark.py gym_duckietown run_tests.py
docker gym_duckietown.egg-info setup.py
python run_tests.py
/opt/conda/lib/python3.7/site-packages/gym/logger.py:30: UserWarning: WARN: Box bound precision lowered by casting to float32
warnings.warn(colorize('%s: %s'%('WARN', msg % args), 'yellow'))
#