RAIT - Ubuntu Image

You can download the ova file **here** (date says sp23, but this is indeed for this term).

The provided .ova file is an image containing an instance of Ubuntu 22.04.03 LTS OS with python 3.10 and all the necessary packages installed to run all the projects in the course. This image is configured so that python is NOT installed in an environment, so you don't need to activate in order to use it, simply use the command 'python'.

Versions:

- python==3.10.12
- matplotlib==3.8.2
- pygame==2.5.2
- rait==0.0.1

User: student

Password: password

This image is provided in case you have issues installing/running python and/or packages on your machine. In order to use this image you will need to run VM software: this image has been tested with VirtualBox on Windows 10, MacOS, and Ubuntu as the host machines. You will need approximately 30 GB of free space to run this VM.

Here is a good guide for getting started with running the ova file in VirtualBox (**another resource here**). **This** video walks through the same process. You are welcome to increase/decrease the CPU and RAM as you see fit. The ova file provided already has python and all of the necessary libraries installed.

You can choose to install other software as you wish, but this base image is provided to be a working foundation in case you have issues setting up your environment on your own machine. You may use your own python installation on your computer without using this VM if you wish.

There are many ways to copy the files into the virtual machine storage but they are usually dependent on the VM software you choose to use. If using Virtualbox then you can set up shared folders which are accessible between your host machine and the virtual machine. **Here** is an example of how to do this. Alternatively, you can enable drag and drop between the host machine and the vm machine, or just open a web browser in the VM and download files from Canvas (or upload files to GradeScope).

After setting up the VM, it would be a good idea to run the test environment setup script (located in the normal python environment setup instructions) to validate that you are able to run python and everything is configured correctly.

NOTE: Please DO NOT keep your project files ONLY inside this VM without backing them up. You must keep backup files of your work in case you have computer problems!