**Step 1:** Install Anaconda at: https://www.anaconda.com/download

**Step 2:** run the installer and in advanced settings of the installer tick the box to 'Add Anaconda3 to the system PATH environment variable'

A screenshot of a computer

Description automatically generated

*(It will say not recommended but it is fine to do)*

**Step 3:** download git from https://git-scm.com/

*(Choose 64-bit Git for Windows Setup, open the installer and download git with the already selected settings.)*

**Step 4:** open the command line and type:

git clone <https://github.com/AlbersSoftware/Capstoneplant> (enter key)

**Step 5:** After the git is cloned, type the following in the command line:

Jupyter lab (enter key)

**Step 6:** In the jupyter lab, verify the 'Capstoneplant' folder is there. Close jupyter lab and the terminal. (DO NOT TRY TO RUN ANY CELL BLOCKS YET)

**Step 7:** *Create a virtual environment*:

re-open the command line and type: dir (enter key)

cd Capstoneplant (enter key)

python -m venv imageclassification (enter key)

.\imageclassification\Scripts\activate (enter key)

pip install ipykernel (enter key)

Jupyter lab (enter)

***(Close the command line and jupyter lab and re-open it)***

*(If you experience import errors while trying to run the cell blocks, it is most likely because you missed this step. When trying on a different computer I accidentally saved the files to the wrong directory by not closing jupyter lab and the terminal. It caused the lab to not recognize tensorflow as an import. You can repeat this process by following the steps exactly and creating a new kernel called “imageclassification2” instead of “imageclassification”. Don’t forget to name it as stated in the next step below. You may also need to update the pip if your terminal asks you to do it with:* python.exe -m pip install -- upgrade pip*)*

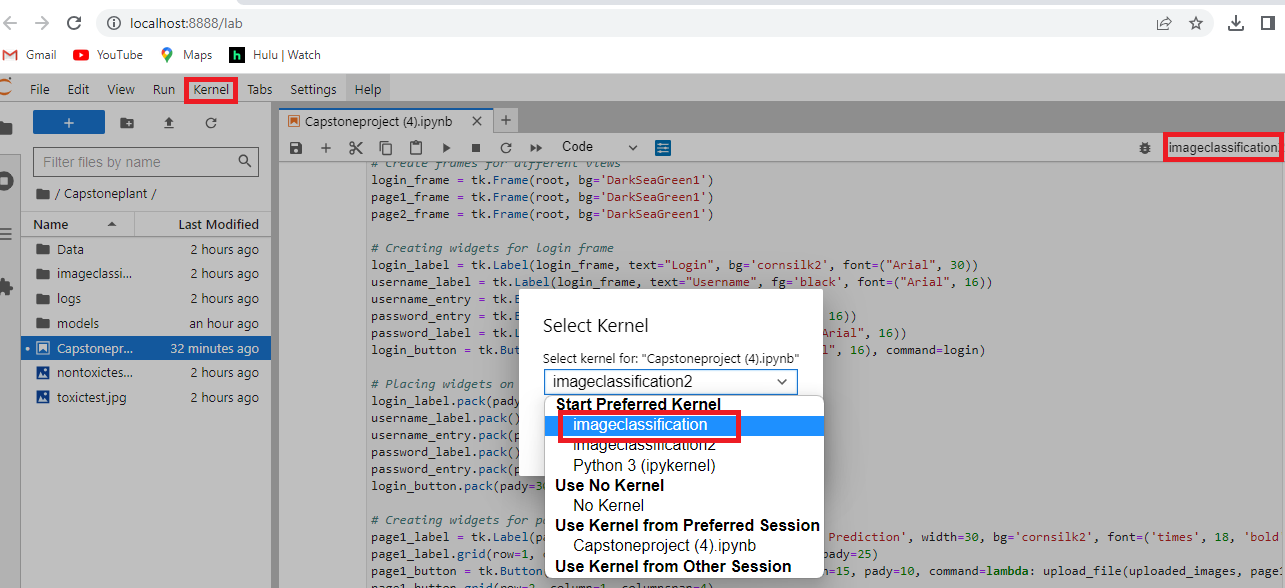
pip list (enter key) *(to verify ipykernel is in the list displayed)*

python -m ipykernel install --name=imageclassification (enter key)

*(Close the command line and re-open it)*

type in the command line: jupyter lab (enter key)

*(Go to the notebook file and change the kernel to ‘imageclassification’, you can now run cell blocks as intended.)*

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