CS x476 - Fall 2021

Project 1: Image Filtering and Hybrid Images

Setup:

1. Install Miniconda. (If you already have Miniconda installed, you can skip this step)
2. Create a conda environment using the appropriate terminal and command.
    - On **Windows**, open the installed "Anaconda Powershell Prompt".
    - On **MacOS** and **Linux**, you can open a terminal window.
    - Modify and run the command in the terminal, replace the "<OS>" in the following command with your OS (Linux, Mac, Windows): `conda env create -f proj1_configs/proj1_env_<OS>.yml`
3. Check if the cv_proj1 environment has been created properly.
    - Run: `conda env list`
4. Activate the conda environment.
    - Run: `conda activate cv_proj1`
    - To deactivate it, run: `conda deactivate`
5. Install the project packages.
    - Run: `pip install -e .` inside the repo folder.
    - This should be unnecessary for Project 1 but is good practice when setting up a new conda environment that may have pip requirements.
6. Open the jupyter notebook to work on the project.
    - Run: `jupyter notebook ./proj1_code/proj1.ipynb`

Testing & Submission:

1. Ensure that all sanity checks are passing
    - Run: `pytest proj1_unit_tests` inside the proj1_code folder.
2. Compress your code into a zip for submission
    - Run: `python zip_submission.py --gt_username <your_gt_username>`
3. Submit the zip to Gradescope for the code part
    - NOTE: we have two separate assignments on Gradescope for Project 1
        - (4476) Project 1 – 70pts
        - (6476) Project 1 – 80pts
    - If you are a **4476** student
        - If you don't do the extra credit part, submit to the (**4476**) assignment
        - If you do the extra credit part, submit to the (**6476**) assignment
    - If you are a **6476** student, submit to the (**6476**) assignment
    - 5pts will be deducted if you make submission to the wrong assignment
4. Save the PowerPoint as PDF and submit the PDF to Gradescope for the report part