**Project Submission**

**Image Classification**

**Introduction**

In this project, you'll classify images from the [CIFAR-10 dataset](https://www.cs.toronto.edu/%7Ekriz/cifar.html" \t "_blank). The dataset consists of airplanes, dogs, cats, and other objects. The dataset will need to be preprocessed, then train a convolutional neural network on all the samples. You'll normalize the images, one-hot encode the labels, build a convolutional layer, max pool layer, and fully connected layer. At then end, you'll see their predictions on the sample images.

**Instructions**

1. Login to your AWS instance
2. Download the repo
   * git clone https://github.com/udacity/deep-learning.git
3. Change to the project directory
   * cd deep-learning/image-classification/
4. Enter your deep learning environment
   * Mac/Linux: source activate dl
   * Windows: activate dl
5. Run the notebook
   * jupyter notebook dlnd\_image\_classification.ipynb
6. Go to the instance (x.x.x.x:8888) in your web browser
   * The x.x.x.x is your instance's ip address
7. Follow the instructions in the notebook will lead you through the project.
8. Ensure you've passed the unit tests in the notebook before you submit the project!

**Submission**

1. Ensure you've passed all the unit tests in the notebook.
2. Ensure you pass all points on [the rubric](https://review.udacity.com/" \l "%21/rubrics/723/view" \t "_blank).
3. When you're done with the project, please save the notebook as an HTML file. You can do this by going to the **File** menu in the notebook and choosing "Download as" > HTML. **Ensure you submit both the Jupyter Notebook and it's HTML version together.**
4. Package the "dlnd\_image\_classification.ipynb", "helper.py", "problem\_unittests.py", and the HTML file into a zip archive, or push the files from your GitHub repo.
5. Hit Submit Project below!