Environment configuration

This is just a text file with all of the required modules for your Python project. We will cover how to install specific packages manually in the terminal.

First, install Anaconda, download Anaconda from the official website as we know that Anaconda contains a lot of scientific libraries.Official website download address: https://www.anaconda.com/download/

After installing Anaconda, test the environment variables
To enter command mode:

(1) Check whether the anaconda environment is successfully installed: conda --version
(2) Use the conda package manager that comes with Anaconda to create a Conda virtual environment and enter the virtual environment. Enter at the command line:
conda create --name tf2 python=3.7
conda activate tf2
(3) Install torch using the Python package manager pip. Enter at the command line:
-m pip install torch

Last, we repeat (3) step to install all the library that we need:
-m pip install pandas
-m pip install numpy
-m pip install matplotlib
-m pip install scipy
-m pip install scikit-learn
-m pip install os
-m pip install opencv-python

Instruction:

Scenario 1 (Ideal Situation):

Provide a front-end page with a picture upload box on the page, allowing users to upload pictures, and reporting an error for an incorrectly formatted uploaded file.
Click the "Submit" button, after the recommendation system processes it, the result will be returned on the page.

Scenario 2 :

The image upload path is provided in the Jupyter Notebook, and the processed results are displayed in the notebook.