Installation Guide

Professor Recommendation System

- The zip folder Group4_RecommendationSystem has Group4_DataCollection.ipynb (data collection, data cleaning, data preprocessing, feature engineering and EDA), info_data_final.xls (dataset), index.html (UI) and app.py (model development code).

1. Prerequisites

Have the following ready

- Python installed on your system.
- Google Colab Account (for running .ipynb file).
- Visual Studio Code installed (for running .py file).

2. Download the Project and run Web Scraping and EDA Code

- Download the project ZIP file and extract it.
- For opening .ipynb file in Google Colab
  a. Go to Google Colab and upload the .ipynb file
  b. Make sure to install all the required libraries (like beautifulsoup4, requests, pandas, etc.) and run all the cells sequentially.

3. Running the Implementation Code

- For opening .py file in Visual Studio Code
  1. Open Visual Studio Code and navigate to the project folder.
  2. Install Python extensions in VS Code if it has not been installed already.
- Go to Extensions Marketplace (Ctrl+Shift+X) and search for *Python*.
  1. Set up your Python interpreter to use the virtual environment created earlier.
- Open the Command Palette (Ctrl+Shift+P), type *Python: Select Interpreter*, and then select your virtual environment.

  1. To run the .py file:
- Open the terminal in VS Code and execute
- Once we run the code in terminal, we get a link in the terminal and click on the link which will redirect to a html page, our flask application.
- Code can be tested here, by giving inputs which would generate output.

Note:

- Ensure that dataset is saved in the appropriate folders or paths specified in the code.
- Visualizations generated in the .ipynb file will appear inline when running the cells.
- For results from .py implementation, check the local host at http://127.0.0.1:5000/.