

# Recommender System for Movies with Django

## How to run the app?

Submitted By:

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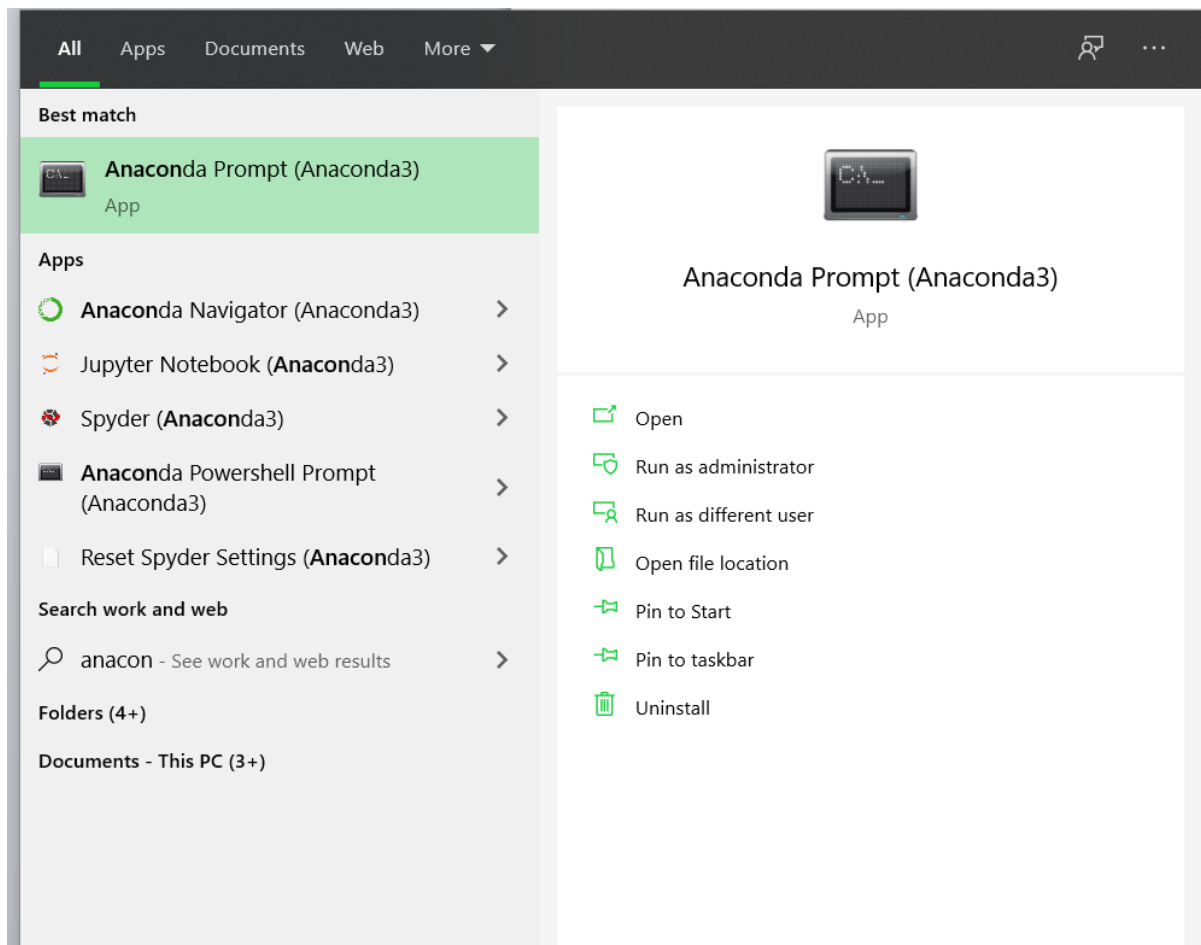
Vidushi Tiwari - 191210057

### Prerequisite Requirements:

- You should have anaconda installed on your machine. Download it from [Anaconda | Individual Edition](#).
- Should be familiar with basic command line arguments like ls and cd.

### Steps:

1. Open the anaconda prompt.



## 2. Update conda by writing: conda update conda

```
Anaconda Prompt (Anaconda3) - conda update conda

(base) C:\Users\ritik>conda update conda
Collecting package metadata (current_repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: C:\Users\ritik\Anaconda3

  added / updated specs:
    - conda

The following packages will be downloaded:

  package | build | size
  -----|-----|-----
  absl-py-0.12.0 | py37haa95532_0 | 175 KB
  astor-0.8.1 | py37haa95532_0 | 47 KB
  backports.functools_lru_cache-1.6.1 | pyhd3eb1b0_0 | 12 KB
  backports.tempfile-1.0 | pyhd3eb1b0_1 | 11 KB
  future-0.18.2 | py37_1 | 646 KB
  importlib-metadata-3.7.3 | py37haa95532_1 | 31 KB
  keras-preprocessing-1.1.2 | pyhd3eb1b0_0 | 35 KB
  markdown-3.3.4 | py37haa95532_0 | 144 KB
  termcolor-1.1.0 | py37haa95532_1 | 9 KB
  typing_extensions-3.7.4.3 | pyha847dfd_0 | 25 KB
  -----|-----|-----
  Total: | | 1.1 MB

The following NEW packages will be INSTALLED:

  typing_extensions pkgs/main/noarch::typing_extensions-3.7.4.3-pyha847dfd_0

The following packages will be UPDATED:

  absl-py pkgs/main/noarch::absl-py-0.11.0-pyhd~ --> pkgs/main/win-64::absl-py-0.12.0-py37haa95532_0
  backports.functoo~ 1.5-py_2 --> 1.6.1-pyhd3eb1b0_0
  future 0.17.1-py37_0 --> 0.18.2-py37_1
  importlib-metadata pkgs/main/noarch::importlib-metadata~ --> pkgs/main/win-64::importlib-metadata-3.7.3-py37haa95532_1
  keras-preprocessi~ 1.1.0-py_1 --> 1.1.2-pyhd3eb1b0_0
  markdown 3.3.3-py37haa95532_0 --> 3.3.4-py37haa95532_0

The following packages will be DOWNGRADED:

  astor 0.8.1-py37_0 --> 0.8.1-py37haa95532_0
  backports.tempfile 1.0-py_1 --> 1.0-pyhd3eb1b0_1
  termcolor 1.1.0-py37_1 --> 1.1.0-py37haa95532_1

Proceed ([y]/n)? y
```

## 3. Create a new anaconda environment (eg. djangoEnv1) by writing

**conda create -n djangoEnv1**

```
(base) C:\Users\ritik>conda create -n djangoEnv1
Collecting package metadata (current_repodata.json): done
Solving environment: done

## Package Plan ##

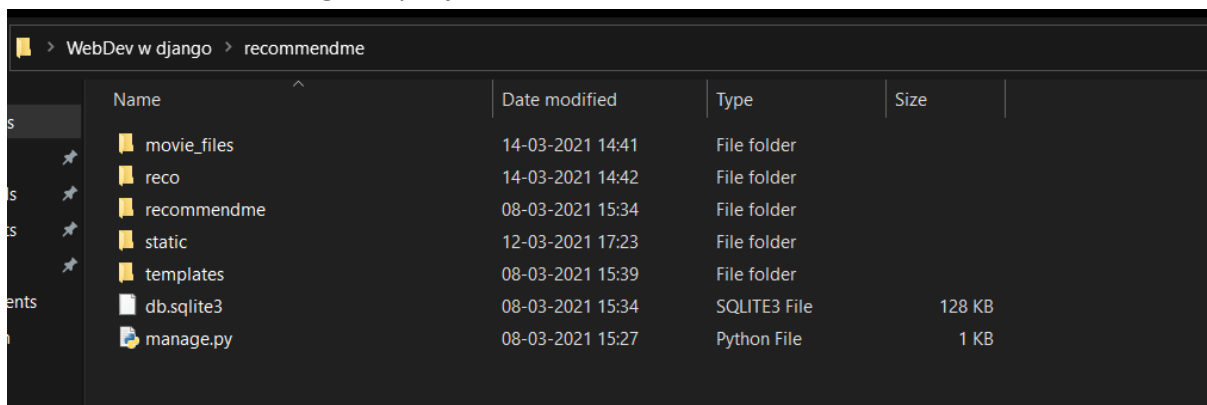
  environment location: C:\Users\ritik\Anaconda3\envs\djangoEnv1

Proceed ([y]/n)? y

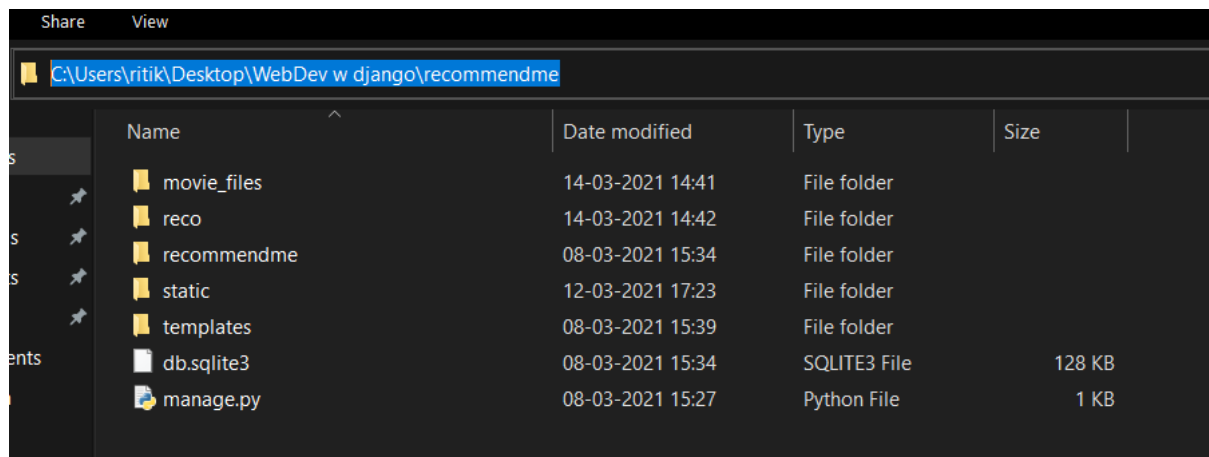
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#     $ conda activate djangoEnv1
#
# To deactivate an active environment, use
#
#     $ conda deactivate

(base) C:\Users\ritik>
```

4. Open the file location in command prompt and activate the anaconda environment there.
- (a) Open the folder containing the project



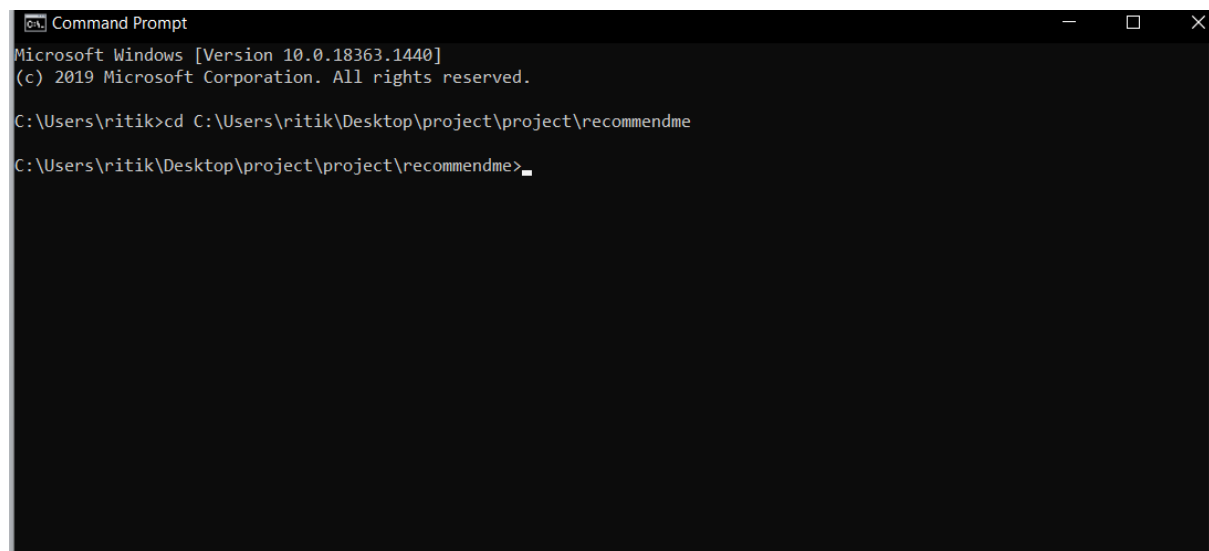
- (b) Get the file path of the folder by clicking the top bar and copy it.



(c) Open the command prompt and write:

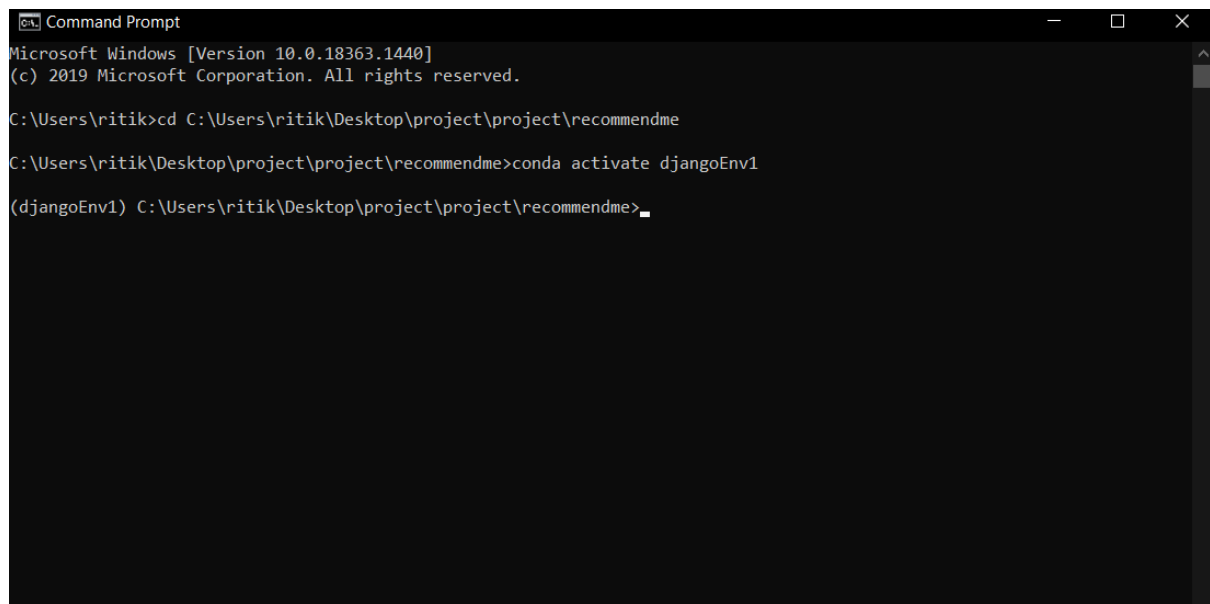
**cd (filepath)**

eg. **cd C:\Users\ritik\Desktop\WebDev w django\recommendme**



(d) Now to activate the new anaconda environment here write:

**conda activate djangoEnv1**



```
Command Prompt
Microsoft Windows [Version 10.0.18363.1440]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\ritik>cd C:\Users\ritik\Desktop\project\project\recommendme
C:\Users\ritik\Desktop\project\project\recommendme>conda activate djangoEnv1
(djangoEnv1) C:\Users\ritik\Desktop\project\project\recommendme>
```

5. Now write:

**pip freeze**

to know which all packages are pre-installed in your environment. We will be needing django, pandas and numpy.

If these are not installed in your environment install them by writing:

**pip install (package name)**

Here I am using:

Django == 3.0.5

numpy == 1.19.5

pandas == 0.24.2

```
Select Command Prompt
Microsoft Windows [Version 10.0.18363.1440]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\ritik>cd C:\Users\ritik\Desktop\project\project\recommendme

C:\Users\ritik\Desktop\project\project\recommendme>conda activate djangoEnv1

(djangoEnv1) C:\Users\ritik\Desktop\project\project\recommendme>pip freeze
WARNING: Could not generate requirement for distribution -umpy 1.16.4 (c:\users\ritik\anaconda3\lib\site-packages): Parse error at "'-umpy==1'": Expected W:(abcd...)
absl-py==0.11.0
alabaster==0.7.12
anaconda-client==1.7.2
anaconda-navigator==1.10.0
anaconda-project==0.8.3
appdirs==1.4.4
arabic-reshaper==2.1.1
argon2-cffi==20.1.0
asgiref==3.3.1
asn1crypto==0.24.0
astor==0.8.1
astroid==2.2.5
astropy==3.2.1
astunparse==1.6.3
atomicwrites==1.3.0
attrs==19.1.0
autopep8==1.4.4
Babel==2.7.0
backcall==0.1.0
```

6. If these packages are installed write:

**python manage.py runserver**

```
(djangoEnv1) C:\Users\ritik\Desktop\project\project\recommendme>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
March 17, 2021 - 11:53:26
Django version 3.0.5, using settings 'recommendme.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

7. Copy the link given in the line Starting development server at and open it in your web browser.

```
(djangoEnv1) C:\Users\ritik\Desktop\project\project\recommendme>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
March 17, 2021 - 11:53:26
Django version 3.0.5, using settings 'recommendme.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

Welcome!

Ready to get to the best movie recommendations?

Recommend  
Me

8. To stop the server from running the app go back to the command prompt and use the combination:

**Ctrl + C** to stop the server

```
(djangoEnv1) C:\Users\ritik\Desktop\project\project\recommendme>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
March 17, 2021 - 11:53:26
Django version 3.0.5, using settings 'recommendme.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.

(djangoEnv1) C:\Users\ritik\Desktop\project\project\recommendme>
```