

# How to run the Universal Recommendation System project

1. Open the "UniversalRecommendationSystem" folder in Visual Studio Code.
2. Inside this folder, open another Visual Studio Code window to run the backend Flask API.
3. In the second Visual Studio Code window, navigate to "UniversalRecommendationSystem-main\lib\backend" and open the "recommendation" folder.
4. Now, you have both the backend and frontend open. In the backend, you need to run each Flask API separately.
5. Open separate terminals for each Flask API.
6. Make sure not to change the port, run with the mentioned port only. If you deviate from this command, the API may not receive responses from the frontend.

## 1. For the Movie Recommendation Flask API:

```
set FLASK_APP=movie.py
```

```
$env:FLASK_APP = "movie.py"
```

```
Flask run --port 5001
```

```
\UniversalRecommendationSystem-main\lib\backend\recommendation> set FLASK_APP=movie.py
\UniversalRecommendationSystem-main\lib\backend\recommendation> $env:FLASK_APP = "movie.py"
\UniversalRecommendationSystem-main\lib\backend\recommendation> Flask run --port 5001
```

## 2. For the Top 250 movies Flask API:

```
set FLASK_APP=topmovies.py
```

```
$env:FLASK_APP = "topmovies.py"
```

```
Flask run --port 5002
```

```
s\UniversalRecommendationSystem-main\lib\backend\recommendation> set FLASK_APP=topmovies.py
s\UniversalRecommendationSystem-main\lib\backend\recommendation> $env:FLASK_APP = "topmovies.py"
s\UniversalRecommendationSystem-main\lib\backend\recommendation> Flask run --port 5002
```

## 3. For the Music recommendation Flask API:

```
set FLASK_APP=music.py
```

\$env:FLASK\_APP = "music.py"

Flask run --port 5003

```
\UniversalRecommendationSystem-main\lib\backend\recommendation> set FLASK_APP=music.py
\UniversalRecommendationSystem-main\lib\backend\recommendation> $env:FLASK_APP = "music.py"
\UniversalRecommendationSystem-main\lib\backend\recommendation> Flask run --port 5003
```

#### 4. For the Global top 50 songs Flask API:

set FLASK\_APP=global\_50\_top.py

\$env:FLASK\_APP = "global\_50\_top.py"

Flask run --port 5004

```
UniversalRecommendationSystem-main\lib\backend\recommendation> set FLASK_APP=global_50_top.py
UniversalRecommendationSystem-main\lib\backend\recommendation> $env:FLASK_APP = "global_50_top.py"
UniversalRecommendationSystem-main\lib\backend\recommendation> Flask run --port 5004
```

#### 5. For the Book recommendation Flask API:

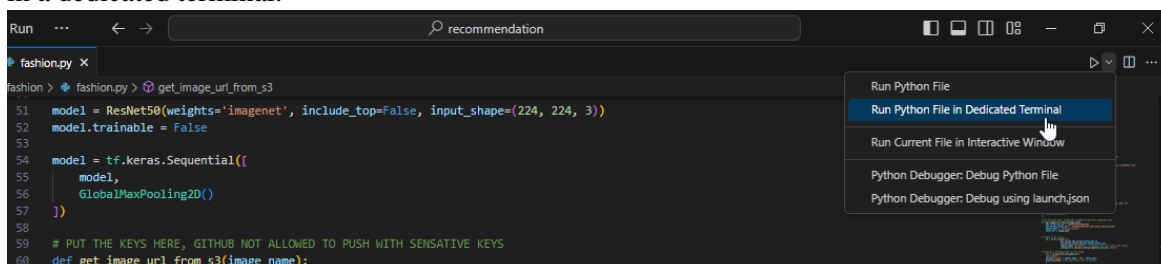
set FLASK\_APP=book.py

\$env:FLASK\_APP = "book.py"

Flask run --port 5005

```
\UniversalRecommendationSystem-main\lib\backend\recommendation> set FLASK_APP=book.py
\UniversalRecommendationSystem-main\lib\backend\recommendation> $env:FLASK_APP = "book.py"
\UniversalRecommendationSystem-main\lib\backend\recommendation> Flask run --port 5005
```

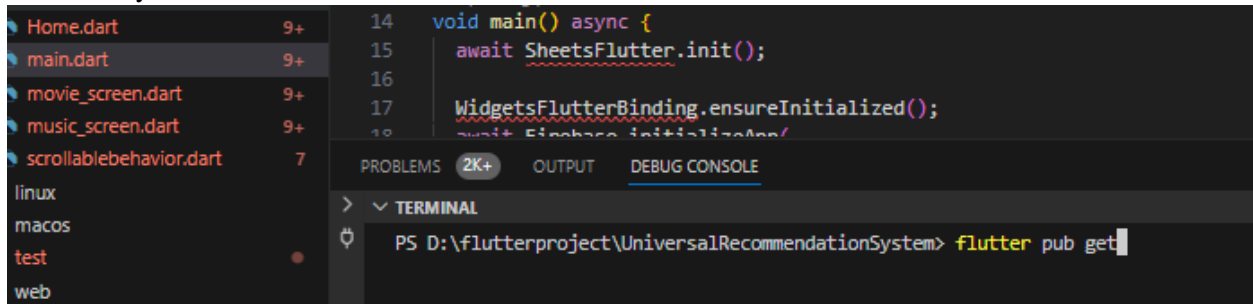
For the fashion recommendation system, you simply need to open fashion.py file and run the Python file in a dedicated terminal.



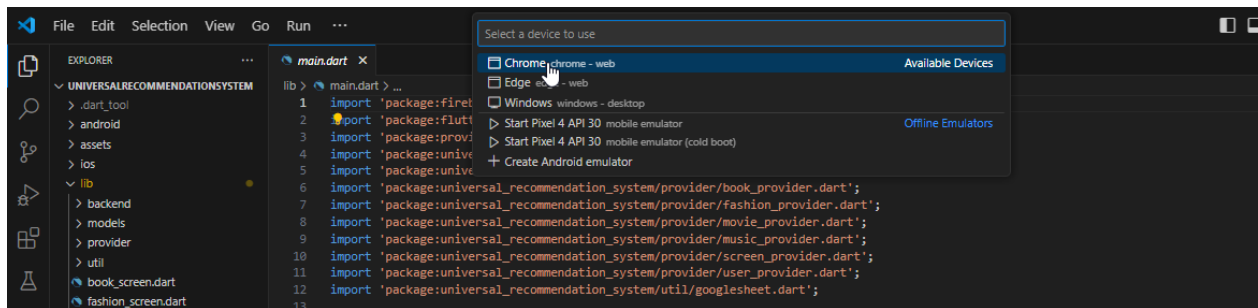
### Backend Completely run now move on the Frontend:

After opening the UniversalRecommendationSystem in VS Code, you need to reload the files, which can be achieved by running the **flutter pub get** command. After running this command, all files will be

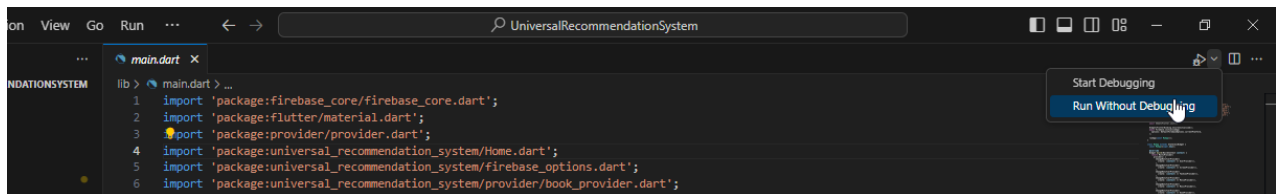
successfully reloaded.



Then select chrome to run on browser



And run without debugging on main.dart file



Congratulations you can use project Universal Recommendation System