FLASK REST API PROJECT: EXPENSE TRACKER

This is an application to track your day-to-day expenses. I have structured the application as two flask microservices, one is the rest-api that interacts with the database and handles the data whereas the web-app is responsible for the front-end.

The tree structure is like this:

----- expense-tracker

         --------- rest-api

                  ----------- api.py => main rest api file

                  ----------- models.py => database models

                  ----------- utils.py => utility functions

                  ----------- database => database folder contains the SQLite database

                          ----------- database.db

                  ----------- flaskenv

        -------- web-app

                  ----------- app.py => main application file

                  ----------- templates => html files

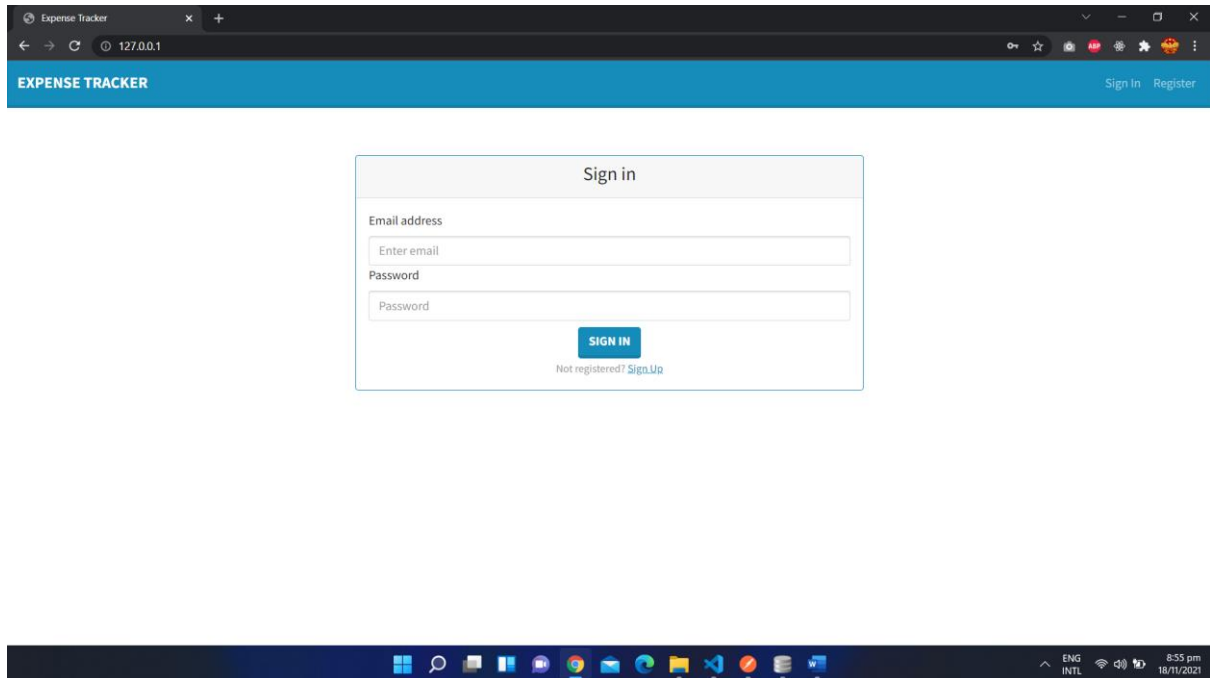   ----------- static => css, js files

How to start the project?

To make sure the project works correctly, we have to first start the flask REST API and then the flask application to consume that API

1) Create a virtual environment
2) Activate virtual environment
3) Install requirements using requirements.txt with command 'pip install -r requirements.txt'
4) Open a command prompt or terminal
5) Navigate to the project files
6) Navigate inside the api folder using cmd/terminal.
7) Run the command 'flask run' and your api will start serving at http://localhost:5000/
8) Now open another command prompt or terminal
9) Navigate inside the webapp folder using cmd/terminal
10) Run the command 'python app.py' and the web app will start serving at http://127.0.0.1:80/. Copy this link and paste it to your browser.

Test User credentials:

Email: test@test.com

Pass: test123

Add an Expense

Expense Name

Amount

Category

Select a Category

Note

Enter a note

Spent On
dd/mm/yyyy

ADD

Expense Name	Amount	Category	Note	Spent On	Actions
Pepsi	150	Grocery	Pepsi for snacks	2021-11-25	✏ 🗑
Cable Fee	300	Bills & Fees	for november	2021-11-03	✏ 🗑
Voltral	250	Medical	For pain	2021-11-19	✏ 🗑
Insect Killer Spray	350	Grocery	For mosquitos	2021-11-18	✏ 🗑
Internet Fee	3600	Bills & Fees	For the month of november	2021-11-03	✏ 🗑

Amount spent per category

Grocery

4%

Transportatio

Others

Medical

91%

Bills & Fees