projectC

Description

A website me and @Ohello404 https://github.com/Ohello404 developed as a Advanced Python Programming course's final project in AITU (Kazakhstan).

It is a marketplace for selling antiques, souveniers or relics.

Installation

You need to get Docker Desktop installed on your Windows (https://docs.docker.com/desktop/setup/install/windows-install/.

After the installation open **Docker Desktop** and login, if you already have an account, or create one.

Next up you will need to clone this repo:

git clone https://github.com/Kinshikinai/projectC.git

To run locally

You will need to have install these guys:

- **Node.js**

- **Python 3.14.x**

- **pgAdmin 4**

Then you need to:

1. Go to folder `frontend`

cd frontend

2. Install all node modules on your machine

npm i

3. Go to folder `backend`

cd ../backend

4. Install all python packages

pip install -r requirements.txt

Note: if you don't want to install these packages on your machine directly, you can do it in python venv

python -m venv projectCvenv

C:/Users/yourusername/path-to-git-repo/backend/projectCvenv/Scripts/activate.bat

5. Starting frontend:

```bash
cd frontend

npm start
```

It should show something like:

<img src="screenshots/frontend.png" style="width: 100%">

6. Before starting backend, we need to setup our database:

- Setup pgAdmin4 server

- Open pgAdmin4

- Create your own user or continue with `postgres`

- Go to only `server` you have -> `databases`.

- Left-click and choose `Create` -> `Database` (Alt + Shift + N)

- Name it `porjectC` or any other name

- Left-click on database you just created and choose `Restore`

- In `Format` choose `Plain`

- Select the file located in `backend/app/projectCdb.sql`

- Click `Restore` (choose your user in role, if you created one other than `postgres`)

7. Edit files in `backend/app`:

- Open the `backend/app/db.py` file

- Set `host` to `localhost`

- Set `database` to `projectC` or the name you set for database

- Set `user` to `postgres` or the name os user you created

- Set `password` to password you set while pgAdmin4 setup

- Let the port remain the same

8. Starting backend:

```bash
cd backend
uvicorn app.main:app --reload
```

<img src="screenshots/backend.png" style="width: 100%">

9. Go to frontend http://localhost:3000

To run using Docker

No installations to local machine needed

1. Go to repository and run:

docker compose up --build

2. Copy backup file to docker machine:

docker cp "C:\Users\your-username\path-to-repo\backend\app\projectCdb.sql" postgres_db:/tmp/projectCdb.sql

3. Apply backup to postgres container:

docker exec -i postgres_db psql -U yourusername -d projectC -f /tmp/projectCdb.sql

4. Go to frontend http://localhost:3000