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I am a full-time student of IITM BS. Currently in the diploma level of programming.

Demo Video: <https://www.youtube.com/watch?v=xaA5xjPM2vM>

https://drive.google.com/file/d/11dbgW3OjYcKCqJ05krf_g_Ujb5Gwbisb/view?usp=sharing

Description

Project Name : **EcoMart**

EcoMart is a basic e-commerce platform, featuring dual access for admin and customers. Users can manage their carts, adding, editing, or removing products before finalizing purchases. Admin can also control products and categories, with graphical sales insights available.

This consist of two APIs for CRUD operations on Products and Category

Technologies used

1. aniso8601==9.0.1
2. blinker==1.6.2
3. click==8.1.6
4. colorama==0.4.6
5. contourpy==1.1.0
6. cycler==0.11.0
7. dominate==2.8.0
8. Flask==2.3.2
9. Flask-Bootstrap==3.3.7.1
10. Flask-RESTful==0.3.10
11. fonttools==4.42.0
12. greenlet==2.0.2
13. itsdangerous==2.1.2
14. Jinja2==3.1.2
15. kiwisolver==1.4.4
16. MarkupSafe==2.1.3
17. numpy==1.25.2
18. packaging==23.1
19. Pillow==10.0.0
20. pyparsing==3.0.9
21. python-dateutil==2.8.2
22. pytz==2023.3
23. six==1.16.0
24. SQLAlchemy==2.0.19
25. typing_extensions==4.7.1
26. tzdata==2023.3
27. visitor==0.1.3
28. Werkzeug==2.3.6
29. WTForms==3.0.1

API Design

APIs are for CRUD Operations on CATEGORY and PRODUCT

- For CATEGORY

GET:- localhost:8080/category_api/{id}

GET:- localhost:8080/category_api/

POST:- localhost:8080/category_api/

PUT:- localhost:8080/category_api/{id}

DELETE:- localhost:8080/category_api/{id}

- For PRODUCT

GET:- localhost:8080/product_api/{id}

GET:- localhost:8080/product_api/

POST:- localhost:8080/product_api/

PUT:- localhost:8080/product_api/{id}

DELETE:- localhost:8080/product_api/{id}

Architecture and Features

```
APPDEV-PROJECT/  
├ static/  
│   ├── assets/  
│   ├── styles/  
│   ├── a.png  
│   ├── al.webp  
│   ├── reg.png  
│   └── ul.jpg  
├ templates/  
│   ├── admin/  
│   ├── login/  
│   └── user/  
├ admin_routes.py  
├ api.py  
├ api_methods.yaml  
├ application.py  
├ authentication.py  
├ database.sqlite3  
├ report.pdf  
├ requirements.txt  
├ user_routes.py  
└ vault.py
```