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I am Sandeep Kumar from Bihar. I am currently at the diploma level, and in addition to that, I am pursuing a BSc in Physics. I have a medium-level academic background and have undertaken several subjects, including MLP (Machine Learning and Pattern Recognition), MAD II (Mobile Application Development II), JAVA, and System Command. I am passionate about programming and have completed two projects related to MLP and MAD II.

Description

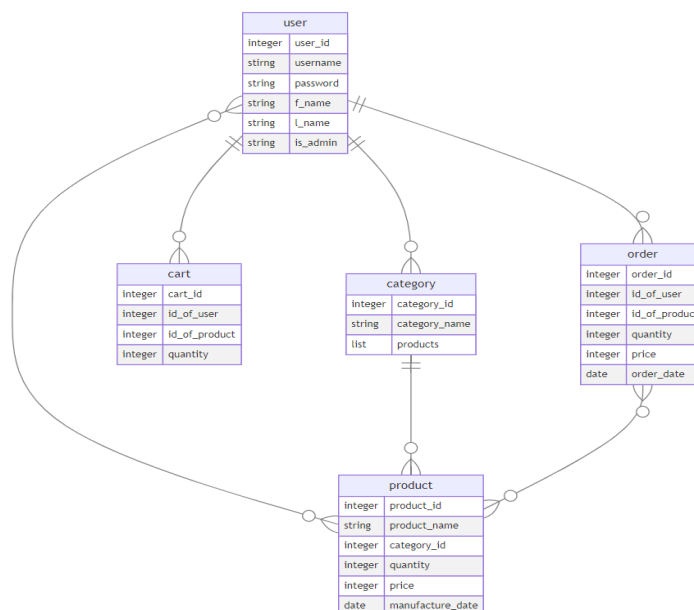
In this project, a solid grasp of Flask, Jinja templates, API integration, HTML, CSS, and effective database management are essential. A basic understanding of JavaScript can be beneficial but is optional.

Technologies used

1.Flask 2. Jinja 2 Templating 3 SQLAlchemy 4.SQLite database 5.HTML 6.CSS
7.FLASK 8.Font Awesome

The purpose of using these technologies is to create a web application that is efficient, user-friendly, and visually appealing

DB Schema Design



Architecture and Features

In the organization of this project, the main project directory is named 'mad1'. Within this directory, there is a 'templates' folder where all HTML templates are stored. The 'static' folder is currently empty but can be used for storing static assets like CSS and JavaScript files. Additionally, there is an 'instance' folder where the database is stored. The heart of the project lies in the 'main.py' file, where all the routing and models are defined. Furthermore, we maintain a 'requirements.txt' file listing all the project dependencies, ensuring smooth development and deployment.

In this project, we have implemented user authentication, allowing users to log in. Regular users can visit the main page, view products, add them to their cart, and place orders. On the other hand, administrators have additional privileges. They can create new product categories, add products to these categories, and perform essential CRUD (Create, Read, Update, Delete) operations on both products and categories. This segregation of roles ensures that user and admin functions are well-differentiated, enhancing security and usability.

Video

<https://drive.google.com/file/d/1Sh-5bq3maO-0Yqxp7x6mmNghKWHhX8Db/view>