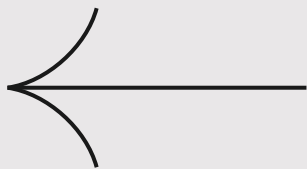


PROJECT 01 - Market

PRESENTATION

Rui Li

<https://github.com/BigData2025-Rev/ruili-project1.git>







Project Requirements



Overall	Create a Python-based application that connects to MySQL or MongoDB and performs CRUD operations to simulate a store.
User Features	Users can register, login, purchase products, and view their order history.
Admin Features	Admins can view all orders and users, modify inventory, edit/remove users, and grant admin access.
CRUD	The application must support Create, Read, Update, and Delete operations
Data Structure	Use at least three different tables or collections and create an ERD.
Additional	Use logging to record events, use git and github.



My Project 01 - Market Website

Register / Login Page

User can login and register here.

Welcome / Market Page

User can purchase and deposit.

Admin Page

Admin user can check all users / products / orders and make changes.

Order History Page

User can check their order history.

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Table Users

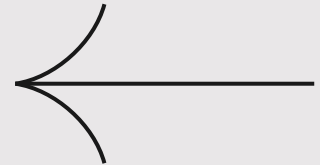
Store user info, such as id, username, password, deposit..

Table Products

Store products info, such as name, price, inventory.

Table Orders

Store order info, include product id, user id, date. References to table users and products.





Tech Stack

Backend

Python Flask

Provide restful API and
keep user login status.

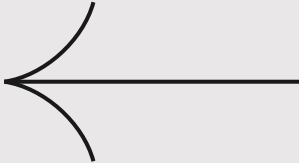
MySQL

Store and maintain
project data.

Frontend

HTML CSS JavaScript

Together build frontend webpage.
Send request.





PROJECT

DEMO

