Justin Verrick

Car Rental System

INFO-C 450

Demo Link - https://iu.mediaspace.kaltura.com/media/t/1_imhx56zs

Product Brochure

Overview:

This Car Rental System is designed to provide a user-friendly and efficient platform for vehicle reservation. It will simplify inventory management, enhance user experience, and have secure transactions. Hopefully, making the car rental process much easier and less trouble for the user.

Key Features:

- Simple user interface: Easy navigation for users and administrators.
- Efficient and simple reservation system: Customers can browse, select, and reserve vehicles easily.
- Secure payments: Secure payment processing for safe transactions.
- Inventory management: Admins can add, remove, and update vehicle availability. Admins can modify vehicle pricing.
- Modify existing reservations: Users can modify or cancel reservations. Admins can edit or cancel user reservations.

Why Choose Our System?

- Timesaving: Quick and easy booking process.
- Simple: Simplified vehicle selection process.
- Security: Secure payment ensures customer confidence in the security of the system.
- Scalability: Designed to handle future expansion if needed.

Technologies Used:

- Frontend: HTML, CSS, JavaScript.
- Backend: Python (Flask framework for logic and API connections).
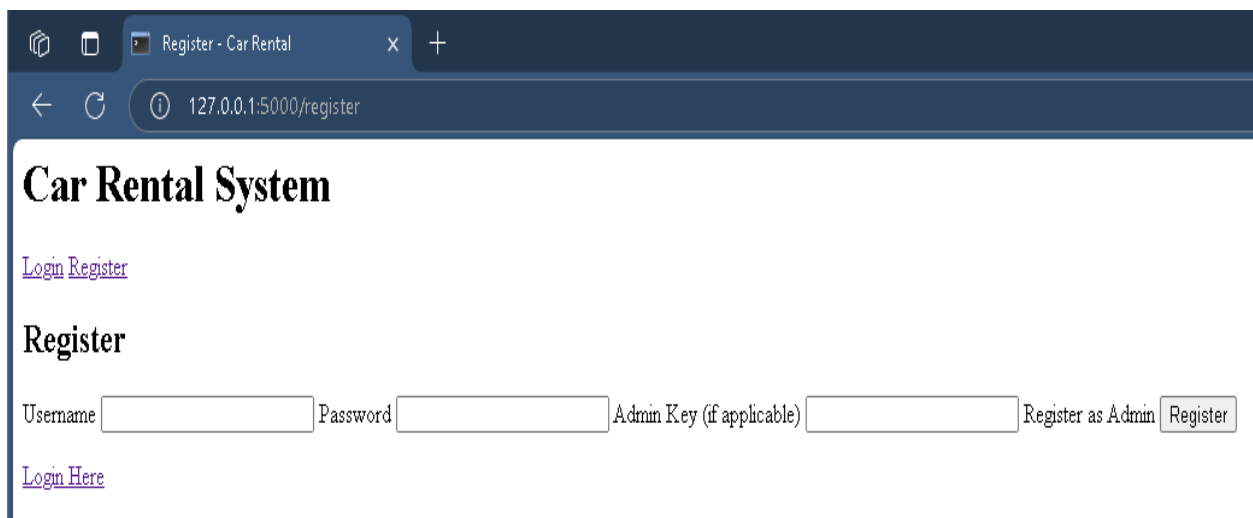- Database: SQLite

User Benefits:

- Customers can easily book vehicles.
- Customers can easily modify existing reservations.
- Admins can add, edit, or remove vehicle inventory and customer reservations efficiently.
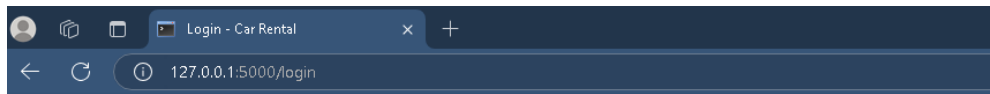- Secure transactions increase trust and reliability.

Snapshots From Website:

Website Homepage:
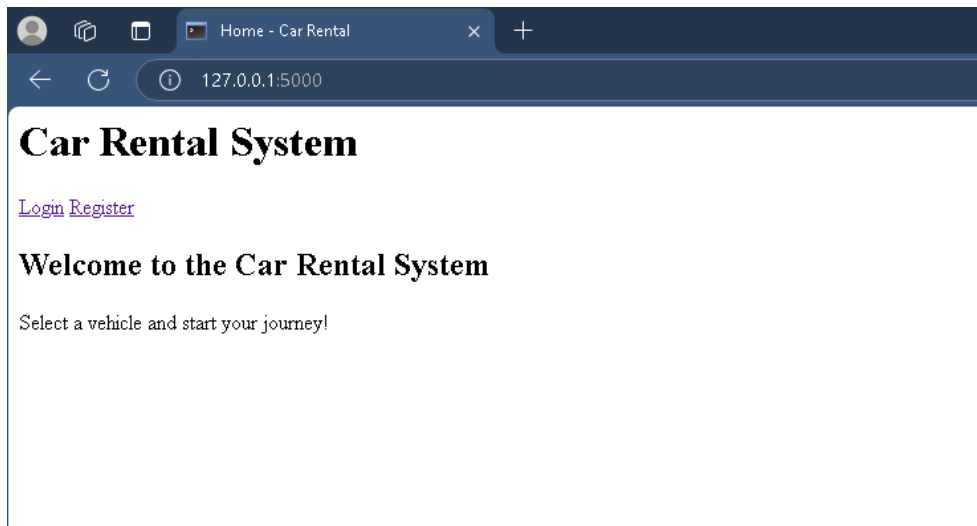
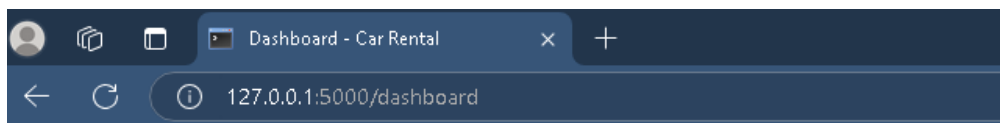Website Register Page:

Website Login Page:

Car Rental System

Login Register

Login

Username [_____] Password [_____] [Login]

Register Here

Reserve Vehicle:

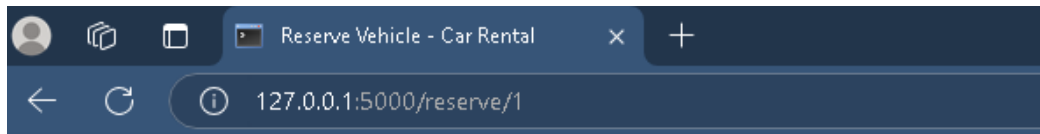**Car Rental System**

Dashboard Logout

Dashboard

Available Vehicles

Sedan - $50 per day Reserve

SUV - $100 per day Reserve

Truck - $75 per day Reserve

Van - $60 per day Reserve
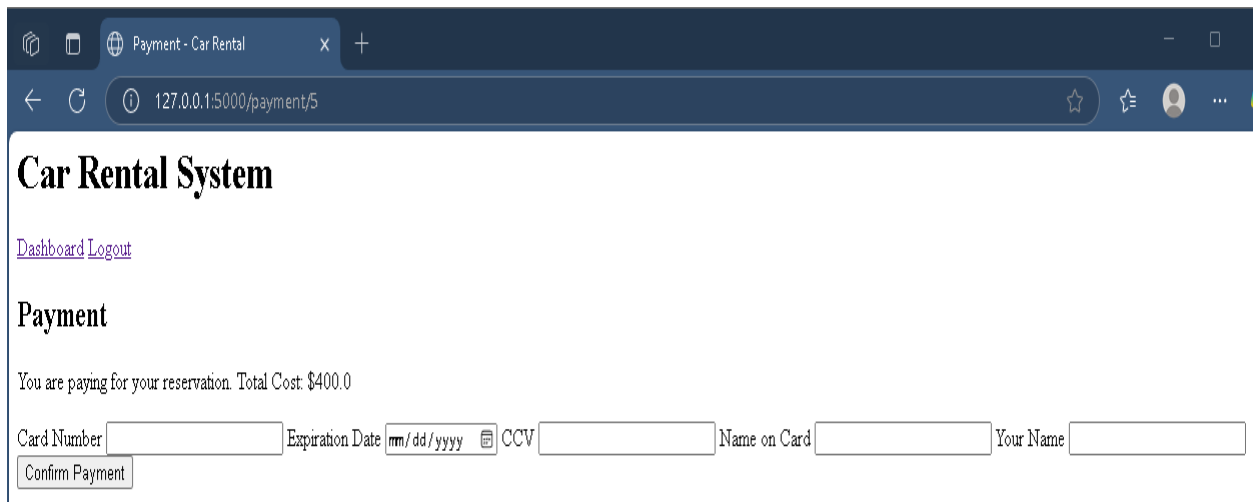
View My Reservations

Car Rental System

Dashboard Logout

Reserve a Vehicle

You are reserving: **Sedan** for $50 per day

Start Date [mm/dd/yyyy] End Date [mm/dd/yyyy] [Confirm Reservation]
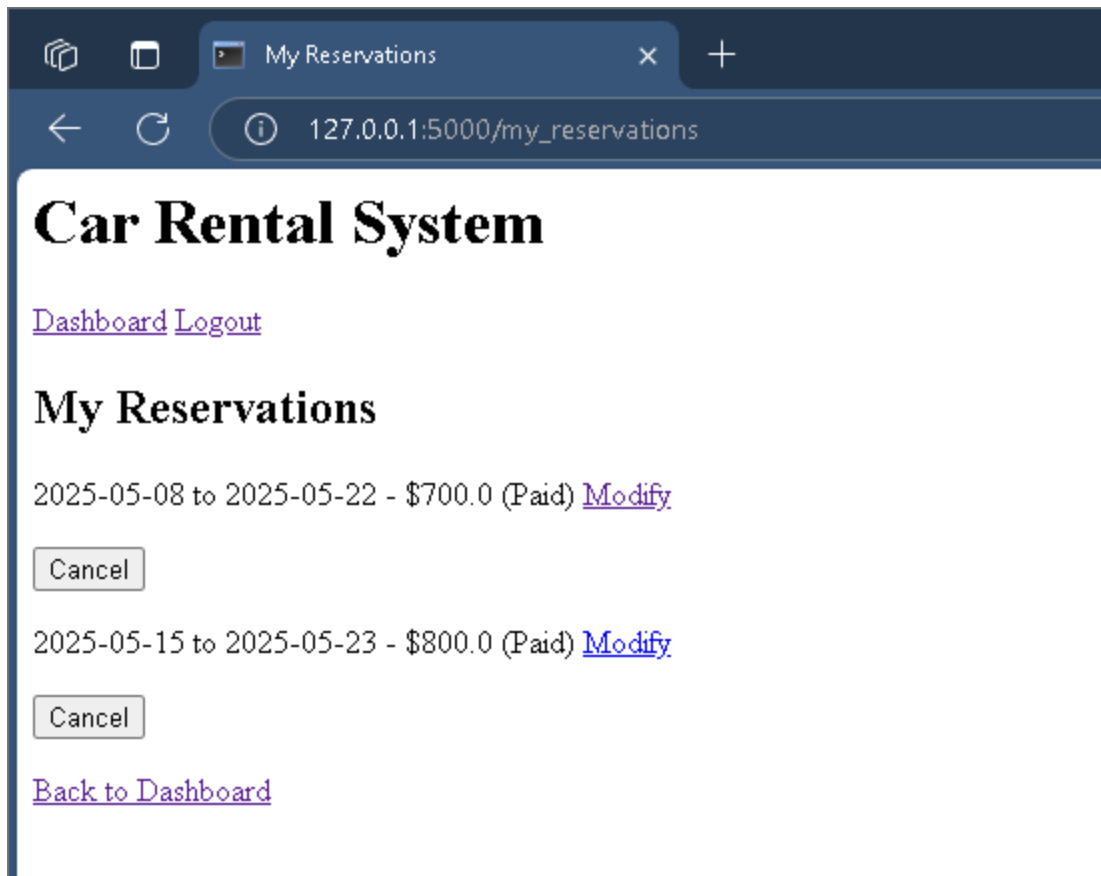
Payment Page:

Car Rental System

Dashboard Logout

Payment

You are paying for your reservation. Total Cost: $400.0

Card Number [ ] Expiration Date [mm/dd/yyyy] CCV [ ] Name on Card [ ] Your Name [ ]
[Confirm Payment]

View My Reservation Page:

Car Rental System

Dashboard Logout

My Reservations

2025-05-08 to 2025-05-22 - $700.0 (Paid) Modify

Cancel

2025-05-15 to 2025-05-23 - $800.0 (Paid) Modify

Cancel

Back to Dashboard

Admin Dashboard:

Car Rental System

Admin Dashboard

Manage Vehicles

Vehicle Type [   ] Price Per Day [   ] [Add Vehicle]

Existing Vehicles

Sedan - $50 - Available: Yes

[Remove]

Truck - $75 - Available: Yes

[Remove]

Van - $60 - Available: Yes

[Remove]

SUV - $100 - Available: Yes

[Remove]

Customer Reservations

Justin Verrick reserved Sedan from 2025-05-08 to 2025-05-22 Edit

[Remove]

Justin Verrick reserved SUV from 2025-05-15 to 2025-05-23 Edit

[Remove]

John Doe reserved Truck from 2025-05-23 to 2025-05-30 Edit

[Remove]

For more details, visit project repository on GitHub: [https://github.com/JDV1281/Car-Rental-System] or contact at [jdverrick1@gmail.com].