Car Rental Project

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Introduction

car rental website project involves creating a platform where users can browse, reserve, and manage car rental services. Below is an overview of the essential features and components of such a project:

1. Project Objectives

- Provide users with a user-friendly interface to rent vehicles.

- Allow car rental companies to manage their fleet, bookings, and availability.

- Implement secure and efficient booking and payment systems.

2. Key Features

- Frontend (User Interface)

- Homepage: Displays available cars, promotions, and a search bar for quick filtering.

- Search & Filters: Users can filter cars by location, price range, car type, transmission, seating capacity, and rental dates.

- Car Details Page: Provides details such as car model, features, pricing, availability, and photos.

- Booking System: Users can select dates, see pricing, and confirm reservations.

- User Account Management:

- Login/Signup functionality (via email, phone, or third-party services like Google).

- Manage reservations, view history, and edit profile details.

- Backend (Admin and System Management)

- Car Inventory Management:

- Add, update, or delete car listings.

- Manage car availability and pricing (e.g., dynamic pricing based on demand).

Booking Management:

- View and manage bookings.
- Handle cancellations or extensions.

1. User Management: Monitor user activity, verify users, and provide support.

2. Analytics Dashboard: Monitor revenue, bookings, customer feedback, and car usage trends.

Payment Gateway Integration

- Support for credit/debit cards, mobile payments, and digital wallets.
- Secure transaction processing and refund handling.

Technologies Used :

Frontend
- HTML, CSS, JavaScript
- Backend: PHP
- Database: MySQL

Workflow :

1. Customer Interaction:

- login & logout & registration
- Pay
- Report
- Reserve car
- View car advanced search
- View car

2. System Processing:

- Check car availability.
- Process payments securely.
- Confirm booking and send notifications.

3. Admin Interaction:

1. add car
2. Login & logout
3. Advanced car search
4. Advanced costumer search
5. Advanced reservation search
6. Advanced search index
7. Car report
8. Change car status
9. Status report
10. Edit car view
11. Edit car
12. view car report
13. View car search
14. View costumer report
15. View costumer search