TRAVELERS & BUISNESSES IN NEED OF VEHICLE RENTALS

1) Travelers:

Individuals requiring a car at a specific location for leisure or buisness proposal.

2) Coperate Clients:

Buisnesses looking for short-term fleet rental solutions.

3) Service Providers:

Car rental companies seeking an efficient platform to list, manage & optimize their fleet operations.

4) Peer-to-peer Vehicle Owners:

Private car owners who wish to offer their vehicles for rental (if the marketplace supports such services).

FOR SERVICE PROVIDERS:

* Booking Dashboard:
Comprehensive tracking of reservations & payments.

* Fleet Management:
Tools for efficiently adding, updating & managing vehicle listings.

* Revenue Analytics:
Detailed insights into earnings & vehicle utilization.

RENTALS OPERATIONS FRAMEWORK

* Customer Experience:
A streamlined journey starting with searching for vehicles.
Browse available vehicles by location & date.
View detailed car information, including features, pricing & images.
Select a vehicle, confirm the reservation, & proceed with payment.
Receive booking confirmation along with car collection details.

ENTITY RELATIONSHIP MODELS:

* Key Entities:
- User: Represents either a customer or a service provider.
- Vehicle: Each car listed is treated as a distinct entity.
- Booking: Represents the transaction connecting the user & the provider.

RELATIONSHIPS:

A user can have multiple bookings. Each vehicle is linked to one provider but can be rented by multiple users. A booking serves serves as the connection between a user & provider.

1) VEHICLE RENTALS FOR A DEFINED DURATION:

SERVICE ARCHITECTURE:
FRONTEND UI/UX DESIGN:

A user-friendly interface with an intuitive layout, mobile-first approach, & streamlined navigation.

- Core features: Advanced filters, search functionality, booking modules, & interactive forms.

⭐ BACKEND INFRASTRUCTURE:

- Database to manage & store information related to users, vehicles & bookings.
- APIs to handle search, reservations, payment processing & notifications.

⭐ PAYMENT SYSTEMS:

Integrated payment gateways ensure secure & hassle-free transactions.

⭐ ALERT SYSTEM:

Notifications via email & SMS to provide booking confirmations, updates & reminders.