

Rental Car Schema Diagram

★ Rental Car Management System -

Data Schema:

Table and Relationships:

1. Car Table:

- Car ID (primary key).
- Name
- Model.
- Rent per Day.
- Availability.

2. Rental Table.

- Rental ID (Primary Key)
- Car ID (Foreign key referencing cars)
- Customer ID (Foreign key referencing customer)
- Pick up Date
- Return Date

3. Customer Table

- Customer ID (Primary Key)
- Name
- Contact Info
- Address.

② 4. Payment Table:

- Payment ID (Primary Key)
- Rental ID (Foreign Key referencing Rentals)
- Amount
- Status

5. Location Table:

- Location ID (primary key)
- Zone
- Address

6. Drivers Table:

- Driver ID (Primary Key)
- Name
- Assigned Car (Foreign key referencing Cars)

Example Data:

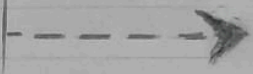
1. Cars:	Cas ID	Model	Availability	Price	
	1	Toyota Camry	Yes	5000/-	
2. Rentals:	Rental ID	Cas ID	Customer ID	Pick up Date	Return Date
	101	1	1001	2025-01-15	2025-01-18
3. Customer:	Customer ID	Name	Contact Info	Address	
	1001	A. Siddiqui	siddiqui@.com	Garden East.	
4. Payment:	Payment ID	Rental ID	Amount	Status	
	201	101	15000/-	Paid	
5. Location:	Location ID	Zone	Address		
	1	Zone A	Gulshan Iqbal.		
6. Drivers:	Driver ID	Name	Assigned Car		
	301	Ahmed	1		

③ [Cars]

Car ID
Name
Model
Rent per Day
Availability

[Customers]

Customers ID
Name
Contact Info
Address



[Rentals]

Rental ID
Car ID
Customers ID
Pick up Date
Return Date

[Payment]

Payment ID
Rental ID
Amount
Status



[Drivers]

Driver ID
Name
Assigne car

[Locations]

Location ID
Zone
Address



^{or}
: My project overview:"

Creating a Market place for Car Rentals.

The car rental industry is evolving, and there is an increasing demand for flexible, convenient transportation options. This project aims to create a seamless marketplace connecting car owners with customers seeking flexible, short-term rentals. By simplifying the rental process, offering diverse vehicle options, and ensuring transparency, the platform will cater to travelers, locals, and business, providing a convenient and efficient transportation solution.

My Business Goal for the Rental car Website

① Purpose of The website :-

- provide an online platform for renting cars conveniently.
- Bridge the gap between car owners and customers needing temporary transportation

② Benefits :-

- simplifies the car rental process with instant booking and availability checks.
- Saves time for both customers and car owners by automating the process.

③ Usage :-

- For customers looking for flexible transportation options without owning a vehicle.
- For business and travelers needing short-term rentals.

④ Target Audience :-

- Tourists and travelers needing transportation in new cities.
- Local residents needing cars for special events or emergencies.
- Companies requiring vehicle for temporary business use.

⑤ Products/Services Offered:-

- Car rentals with customizable time durations
- Different car types (economy, luxury, SUVs) for varying customer needs.
- Easy payment methods with real-time billing and invoicing.

⑥ Unique Features:-

- Advanced search by car type, location and price range.
- Real-time car availability and booking updates.
- Delivery Zones feature for door steps car delivery or pickup.
- Integration of customer review and rating for better decision-making.

⑦ Problem Solving Marketplace Solution:-

- Provides an efficient platform for car owners to list their vehicles and reach a larger audience, creating a trusted marketplace.
- Eliminates the hassle of physically visiting car rental offices.
- Provides transparent pricing and availability details.
- Reduces waiting times with instant online bookings.

⑧ Where it will Be Used:-

- Urban areas with high demand for flexible transportation.
- Tourist hotspots and major cities.
- Businesses needing temporary vehicle solution.

⑨ Business Outcomes:-

- Increased revenue by reaching a larger customer base online.
- Enhanced customer satisfaction with a seamless and reliable platform.
- Build brand trust and loyalty with high-quality services and unique features.

⑩ Why it is Needed:-

- Growing demand for car rentals as an alternative to ownership.
- Rising tourism and short-term travel opportunities.
- Provides a competitive edge in the rapidly evolving car rental market.