# Car Rental System

Submitted By

Mayuri Sandip Gund

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## INTRODUCTION

Online car rental systems allow customers to reserve vehicles directly through a website or app. This eliminates the need to visit a rental office in person. Users can search for cars based on their needs, compare rates, and book rentals with a few clicks. These systems benefit both renters and rental companies by streamlining the rental process and offering greater flexibility.

## PROJECT SCOPE

#### **For Customers:**

- Search & book cars (by type, location, date)
- Manage account & rentals
- Securely pay for rentals
- Access additional services (child seats, GPS, etc.)

### **For Rental Companies:**

- Manage car fleet (add, edit, track availability)
- Set pricing & manage inventory
- View & manage customer reservations
- Generate reports & analyze data

## HARDWARE, SOFTWARE AND LANGUAGE

#### **HARDWARE**

PROCESSOR: I5 CORE

• RAM: 8 GB

HARD DISK: 256 GB

#### **SOFTWARE**

- ECLIPSE
- MYSQL WORKBENCH

#### **LANGUAGE**

- OPERATING SYSTEM: WINDOWS/LINUX
- DATABASE: MYSQL
- PROGRAMMING LANGUAGE: JAVA

## BENEFITS OF HOTEL MANAGEMENT

#### **FOR CUSTOMERS:**

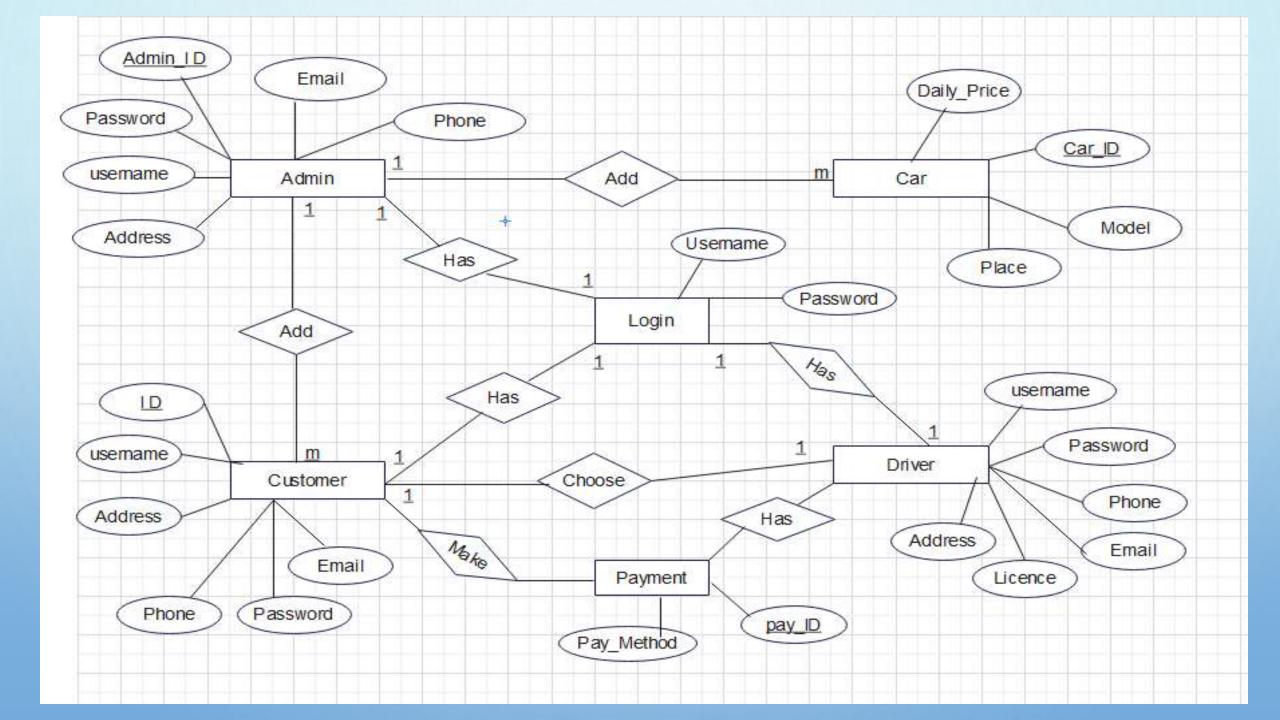
- Book Anytime AND Anywhere
- Easy Comparison
- Faster Reservations.

#### FOR RENTAL COMPANIES:

- Streamlined bookings for wider customer reach,
- Efficient operations
- · Data-driven decisions.

## LIMITATIONS OF HOTEL MANAGEMENT

- Limited car inspection
- Hidden fees
- Internet dependence
- Less flexibility
- Data security concerns



## **FUTURE SCOPE**

- Mobile car unlock and start
- Advanced car filtering
- Al rental recommendations
- Subscription car access
- Electric/hybrid car focus
- Real-time car pricing
- Improved customer experience

## CONCLUSION

ONLINE CAR RENTAL SYSTEMS HAVE BECOME THE GO-TO SOLUTION FOR RENTING VEHICLES, OFFERING RENTERS **EFFORTLESS BOOKING** AND **CLEAR PRICING** THROUGH USER-FRIENDLY PLATFORMS. RENTAL COMPANIES ENJOY **INCREASED EFFICIENCY** AND **WIDER REACH**, WHILE DATA EMPOWERS THEM TO OPTIMIZE THEIR BUSINESS. AS TECHNOLOGY ADVANCES, EXPECT A FUTURE FILLED WITH **CUTTING-EDGE FEATURES** LIKE REMOTE CAR UNLOCKING AND PERSONALIZED RECOMMENDATIONS, MAKING THE CAR RENTAL EXPERIENCE EVEN MORE **CONVENIENT AND DELIGHTFUL**.

## **REFERENCES**

- www.JavaTPoint.com
- > www.GeeksforGreeks.com
- > www.W3School.com
- > www.tutorialspoint.com