

Car Rental System

Submitted By

Mayuri Sandip Gund

INDEX

- Introduction
- Project Scope
- Hardware , Software and Language
- Benefits of Car Rental System
- Limitations of Car Rental System
- ER Diagram
- Future Scope
- Conclusion
- References

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:

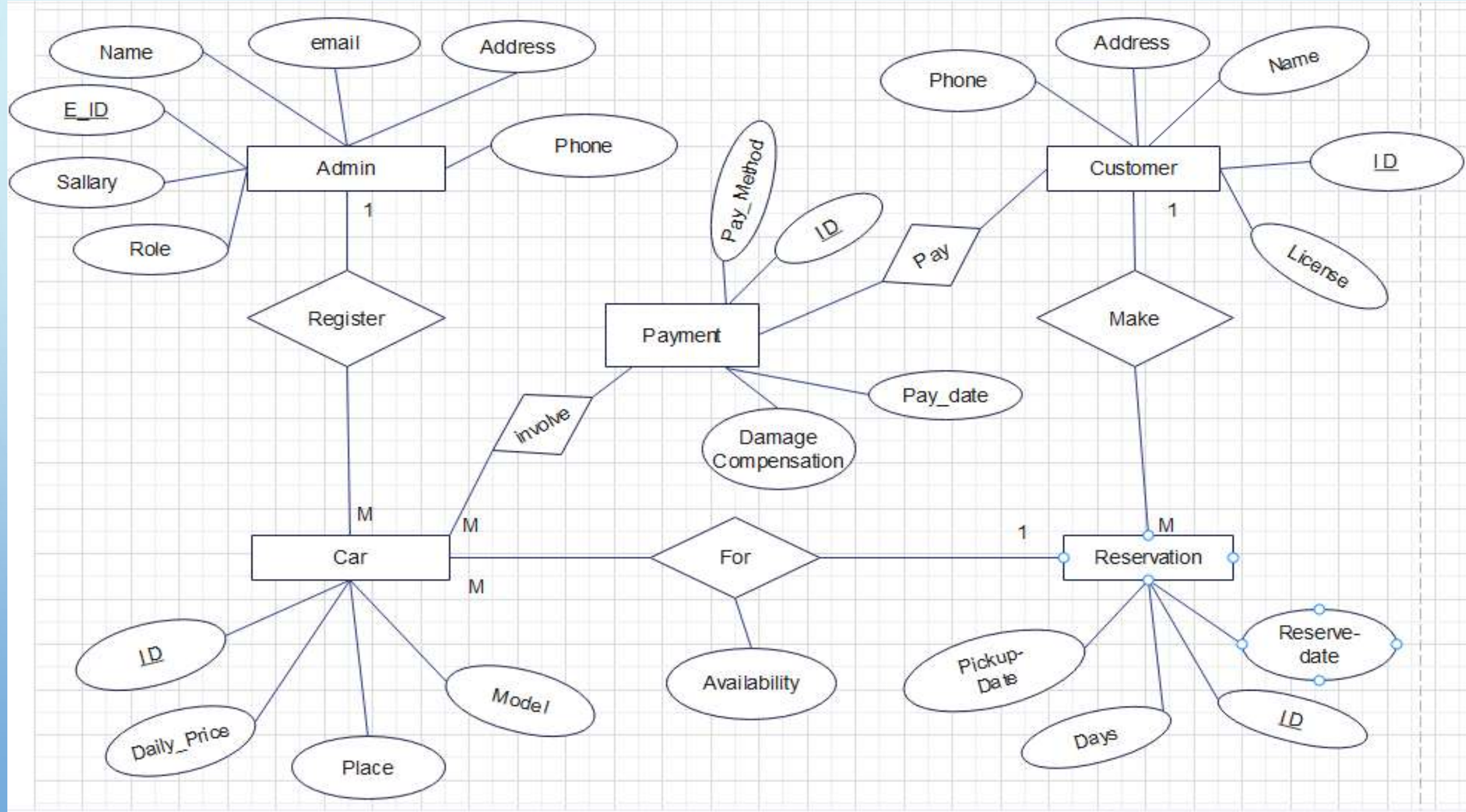
- Book Anytime AND Anywhere
- Easy Comparison
- Faster Reservations.

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
- AI 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.GeeksforGeeks.com
- www.W3School.com
- www.tutorialspoint.com