**Objective:**

The primary objective of this project is to develop a Car Rental Management System. By streamlining administrative procedures, enhancing customer satisfaction, and optimizing resource use, the system seeks to completely transform the way that automobile rentals are run. It will increase overall efficiency, decrease manual errors, and streamline operations by offering a centralized platform for managing client information, car inventory, rental transactions, and payments.

**Functional Requirements:**

1.Customer Management:

* Add, edit, and delete customer information.
* View customer details and rental history.

2.Car Management:

* Add, edit, and delete car information.
* Car’s availability status
* Car’s rental cost

3.Rental Management:

* Process rental bookings.
* Calculate rental duration and cost.
* Manage rental statuses.

4.Payment Management:

* Keep track of rental payment transactions.
* Process payment methods such as credit card or cash.
* Manage receipts and payment status.

**Non-functional Requirements:**

1.Security:

* Provide secure access to the system with unique identifiers (e.g., username and password) for each user.
* Ensure data encryption for sensitive information such as payment details.

2.Performance:

• To provide a flawless user experience, make sure database queries and response times are efficient.

3.Scalability:

* Build the system to handle an increasing number of users, vehicles, and rental deals in the future.

4.Usability:

* Create an easy-to-use user interface to make navigating and interacting with the system simple.