

# **Car Rental Management System Requirement Gathering:**

## **1. Project Overview:**

The Car Rental Management System project aims to create an efficient and user- friendly software solution for managing all aspects of a car rental operations. This includes inventory management, rent tracking, vehicle configuration, and customer engagement.

## **2. Extent of the System:**

The system is proposed as a comprehensive Renatal management system, covering essential features like customization of car,booking cars for rent and sales of vehicle accessories

## **3. Viewers/Public Involved:**

- Users: People who wants to rent the car or buy the accessories
- owners-: People who provide the cars for renting
- Drivers: vehile drivers assigned by the car owners

## **4. Modules Included:**

The key modules included in the system are:

- Inventory Management: To track vehicle inventory.
- Sales: To manage the sales of vehicle accessories
- Payment

## **5. \*\*Users Identified:\*\***

Users identified in the project include:

- Owners
- Administrators
- User

## 6. System Ownership:

- The Car Rental Management System will be owned by admin itself.

## 7. Data Collection Contacts:

### 8. Data collection contacts include:

- Visited various car rental websites eg: [www.rentalcars.com](http://www.rentalcars.com)
- People who have Rent cars.
- Read various articles on car rental for their legal study

## **Feasibility Study for Car Dealership Management System**

### 1. Introduction

The purpose of this feasibility study is to assess the practicality and viability of developing the Car Rental Management System. This system aims to streamline car rental operations, including vehicle inventory management, sales, user interactions, and vehicle configuration. The study will evaluate technical, operational, and economic feasibility

### 2. Technical Feasibility

#### 2.1 Technology Assessment

- Resource Availability: The required technology stack, including React.js, Express.js, Node.js, and MongoDB, is readily available and well-documented.
- Stability of Technology: The selected technologies are stable and widely adopted in the industry.

#### 2.2 Scalability

- The chosen technology stack can scale to accommodate a growing user base and expanding vehicle inventory.

### 3. Operational Feasibility

#### 3.1 User Acceptance

- The system's user-friendly interface and intuitive features ensure user adaptability.

#### 3.2 Priority of Business Problems

- The system addresses critical business problems related to inventory management, sales tracking, and user engagement.
- The proposed solution aligns with the organization's strategic goals.

### 4. Economic Feasibility

#### 4.1 Cost Analysis

- Development Cost: The cost of developing the software software licenses, and hardware, is well within the budget.
- Feasibility Study Cost: The cost of conducting this feasibility study is justifiable given the potential benefits.

#### 4.2 Revenue Generation

- The Car Rental Management System has the potential to generate revenue by increasing sales efficiency, attracting more customers, and improving user satisfaction.

#### 5. Conclusion

Based on the feasibility study conducted, the Car Rental Management System project is deemed feasible:

- The required technology and expertise are available.
- It offers operational benefits by addressing priority business problems.
- The project's cost is justifiable, and it has the potential to generate revenue for the organization