



**Parshvanath Charitable Trust's**  
**A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE**  
**(All Programs Accredited by NBA)**  
**Department of Information Technology**



# **CAR RENTAL MANAGEMENT SYSTEM**

<b>Shrikant Pawar</b>	<b>21104086</b>
<b>Darshan Patil</b>	<b>21104077</b>

**Project Guide**  
**Prof. Rujata Chaudhari**

# Contents

- **Introduction**
- **Objectives**
- **Scope**
- **Literature Survey**
- **Proposed System**
- **Project Outcomes**
- **Block Diagram**
- **Use Case**
- **Technology Stack**

# 1. Introduction :

- In today's digital world, where everything is accessible online then why not travelling?
- Hence the project aims to fulfill mentioned requirement by providing various types of cars on rent online.
- Problem Identified : Difficulties to take car on rent manually.
- Solution Proposed : An Online Car rental Platform to provide car on rent .

.

## 2. Objectives :

- To create a user friendly web GUI to allow everyone book a car on the rent easily.
- To make the customer aware that hiring a car is the next best option to buy a car.
- To provide customer support, with the help of social media handles, email, and phone call.
- To build payment portal for effective transactions.
- To create a webpage that can continuously update and make improvement based on user experience, feedback and technological enhancement.
- To reduce the manual work for managing the Cars, Booking and Customer.

### 3. Scope :

- Can foster innovation in user interface design, user experience optimization and different types of cars.
- Can allow users to filter out specific cars with available brand .
- Can allow customers to make reservations online, manage their accounts, and view vehicle lists.
- Can provide secure login page as well as secure user data and payment options.
- You can experience variety of well known branded cars by driving .

## 4. Literature Survey :

Sr No	Author	Published Paper Name	Description	Year
1	M. K. Geraghty	Revenue Management Saves Car Rental.	The research paper titled "Revenue Management Saves National Car Rental" likely discusses how implementing revenue management strategies and techniques has been beneficial for National Car Rental, potentially leading to increased profitability and efficient pricing strategies in the car rental industry.	1997
2	Gonçalo Homem de Almeida Correia	Optimizing the Use of Electric Vehicles in a Regional Car Rental Fleet	The research paper titled "Optimizing the Use of Electric Vehicles in a Regional Car Rental Fleet" likely focuses on strategies and methods to enhance the efficiency and effectiveness of incorporating electric vehicles (EVs) into a regional car rental company's fleet.	2014

## 5. Proposed System :

- **User Registration** : Allow users to register and create their profiles.
- **Account Management**: Allow users to manage their accounts.
- **Car Lists and Search**: Display variety of cars and provide search option for the users
- **Car Booking and Payment**: Provide users to book a car on rent where they want with User-friendly and secure payment options.

- **Admin User :** Allow admin user to manage entire portal.
- **Customer Support:** Provide channels for customer support using mail, and phone.
- **User Feedback :** Allow users to add feedback for their experience as well as about the services that rental site provide.

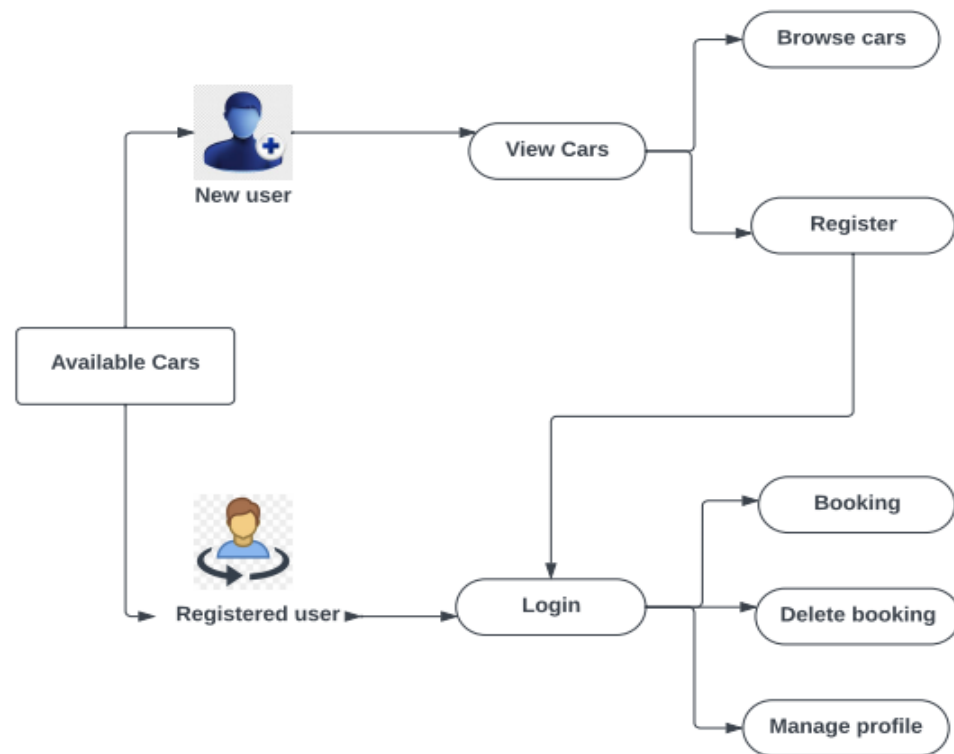


## **6. Outcomes of Project :**

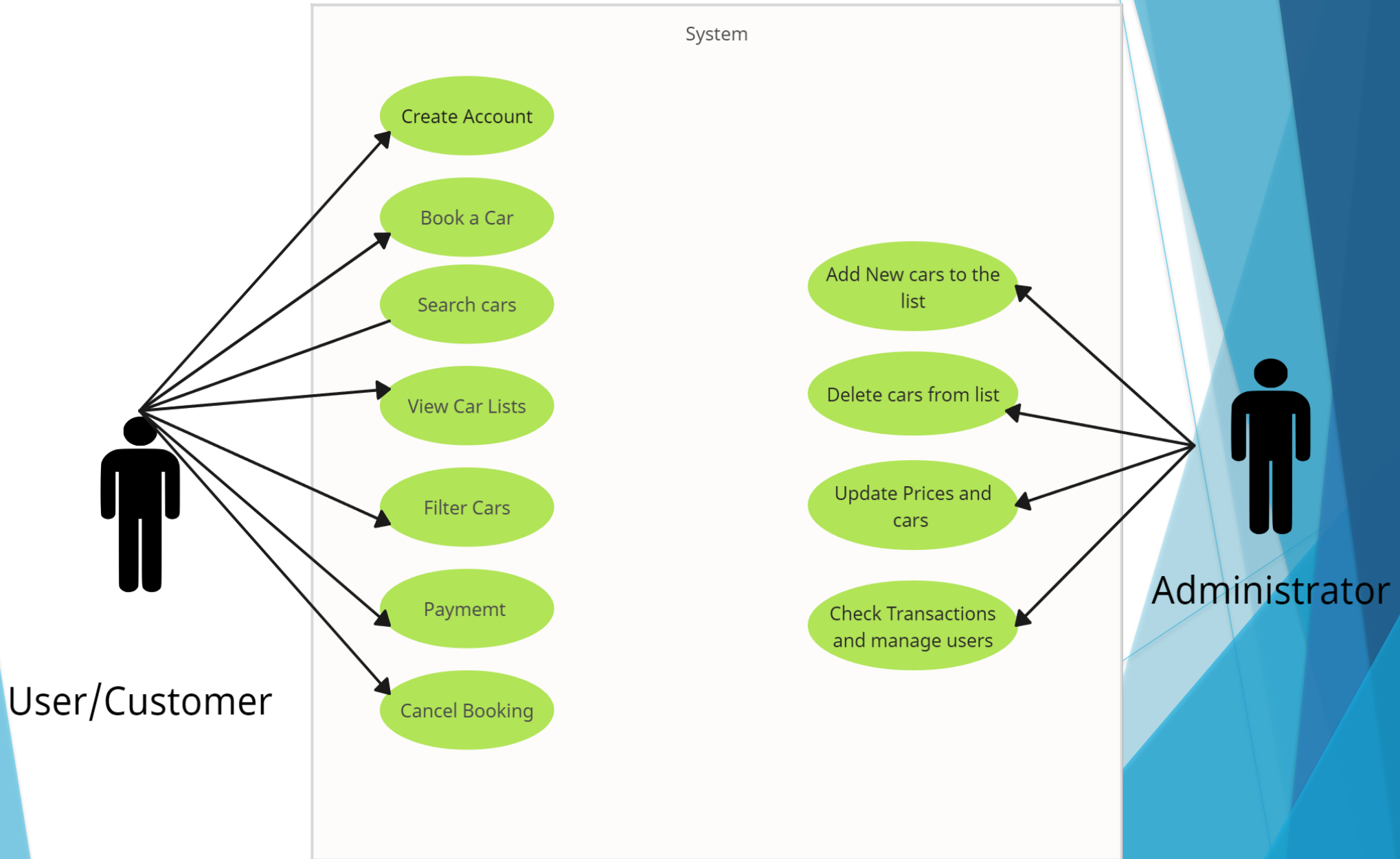
- User can securely access their account without any problem.
- User can easily sign up and create your account to book a car.
- User can explore various types of cars from car listing.
- Admin user can manage the portal and can use features like add or remove user, add or remove car from the list and also accept or decline the booking of a cars.

- Users can reach out to us for inquiries or for any problem.
- Users can provide feedback based upon our services.
- Users can use search tool to find cars quickly.
- User can get in touch with our support team for assistance via email or phone.
- User can connect with us on social media for updates, promotions, etc.

## 7. Block Diagram :



## 8. Use Case :



## 9. Technology Stack :

- **Front-end :**

- HTML – To structuring content.
- CSS – To style and layout of web pages
- JavaScript - For client-side interactivity and enhancing the user experience.

- **Back-end:**

- MySQL -To store, manage, and retrieve structured data.
- PHP – For server-side scripting



**Thank You**