# Car Rent System

## INTRODUCTION:

The main objective of the application car Rental System requires a temporary vehicle.

Rent now: primarily serves people who require a temporary vehicle, for example, those who do not own their own car, travelers who are out of town, or owners of damaged or destroyed vehicles who are awaiting repair or insurance compensation.

## System Actors(Users)

- Admin
- Registered Users
- Guest Users

## Admin Features:

- Admin Login
- Admin can Add New vehicle brand Details
- Admin can Manage Vehicle Brand Details(Edit, Delete)
- Admin can Add New Vehicle Details
- Admin Can Manage vehicle Details(Edit, Delete)
- Admin can Manage Booking details(Admin can confirm and Cancel Booking)
- Admin Can Manage Testimonial Details (Active and Inactive)
- Admin Can Check All registered users details
- Admin Can Change Password
- Admin Dashboard has(Count all users, Count total booking, Count total subscribers, Count total queries, etc)

## Registered User Features:

- New User can Register through the Registration page
- Registered User can login with a valid email and password
- User can find car details and Booked car
- User can View Car booking history
- User Can Check Booking Status(admin can approve or disapprove)
- User can Update their Profile
- User Can Update their Password
- Logout

## Guest User Features:

- Guest user can view the website and Surfe/Find Car details
- Guest user can also enquirer through the contact us page.

## Software Requirements:

- XAMPP server
- Language Used
    1. Front End :(User Interface) HTML 5 , CSS3, JQUERY, JAVASCRIPT, BOOTSTRAP.
    2. Back End : PHP/ Laravel / MYSQL

## How to run Project:

1. Download and Unzip the file on your local system copy rentCar.

## Database Configuration:

Open phpmyadmin

Create Database: car_rent
Import database car_rent.sql (available inside zip package)

## Registered User:

Open Your browser put inside browser “http://localhost/index”
Login Details for
user: test@gmail.com
password: test@12345

## For Admin Panel:

Open Your browser put inside browser “http://localhost/admin”

Login Details for admin :

User Name: admin

Password : admin

## Functional Requirements:

These are statements of services the system should provide, how the system should react to particular inputs, and how the system should behave in particular situations. It specifies the application functionality that the developers must build into the product to enable users to accomplish their tasks.

1) Reservation:

- ❏ The system must allow the customer to register for reservation.
- ❏ The system shall allow the customer to view detailed descriptions of a particular car.
- ❏ The system shall present an option for advanced search to limit the car search to
- ❏ specific categories of car search.
- ❏ The system must allow the customers to select specific cars using different search categories while reservation.
- ❏ The system must view a list of the available cars during reservation.
- ❏ The system shall allow the employee to update reservation information.
- ❏ The system shall allow the employee to view reservations made by customers

2) Log in:

- ❏ The system should allow manager to log in to the system using their Email and password.
- ❏ The system should allow employee to login to the system using their Email and password.
- ❏ The system shall allow the manager to create new user account.
- ❏ The system shall allow manager to change account password.
- ❏ The system shall allow customer to change account password.
- ❏ The system shall allow customer to logout.
- ❏ The system shall allow manager to logout.

3) Car:

- ❏ The system should allow customer to register new cars.
- ❏ The system shall allow customer to select cars in the list.
- ❏ The system shall allow customer to select cars in the list.
- ❏ The system shall allow customer to Search cars by specific record.
- ❏ The system shall allow customer to Search cars by specific record.
- ❏ The system shall allow customer to display all available car.
- ❏ The system shall allow customer to display all rented car.
- ❏ The system shall allow customer to display all off duty car.

# Non-functional Requirements

Non-functional requirements, as the name suggests, are requirements that are not directly concerned with the specific services delivered by the system to its users. They may relate to emergent system properties such as reliability, response time, and store occupancy. Alternatively, they may define constraints on the system implementation such as the capabilities of I/O devices or the data representations used in interfaces with other systems. Non-functional requirements, such as performance, security, or availability, usually specify or constrain characteristics of the system as a whole.

## 1) Usability:

The system provides a help and support menu in all interfaces for the user to interact with the system.

## 2) Security:

The system provides username and password to prevent the system from unauthorized access. The customer password must be greater than eight characters. The subsystem should provide a high level of security and integrity of the data held by the system, only users with valid passwords and email can login to view user's page.

## 3) Performance:

The system response time for every instruction conducted by the user must not exceed more than a minimum of 10 seconds.

## 4) Availability:

The system should always be available for access 24 hours, 7 days a week.

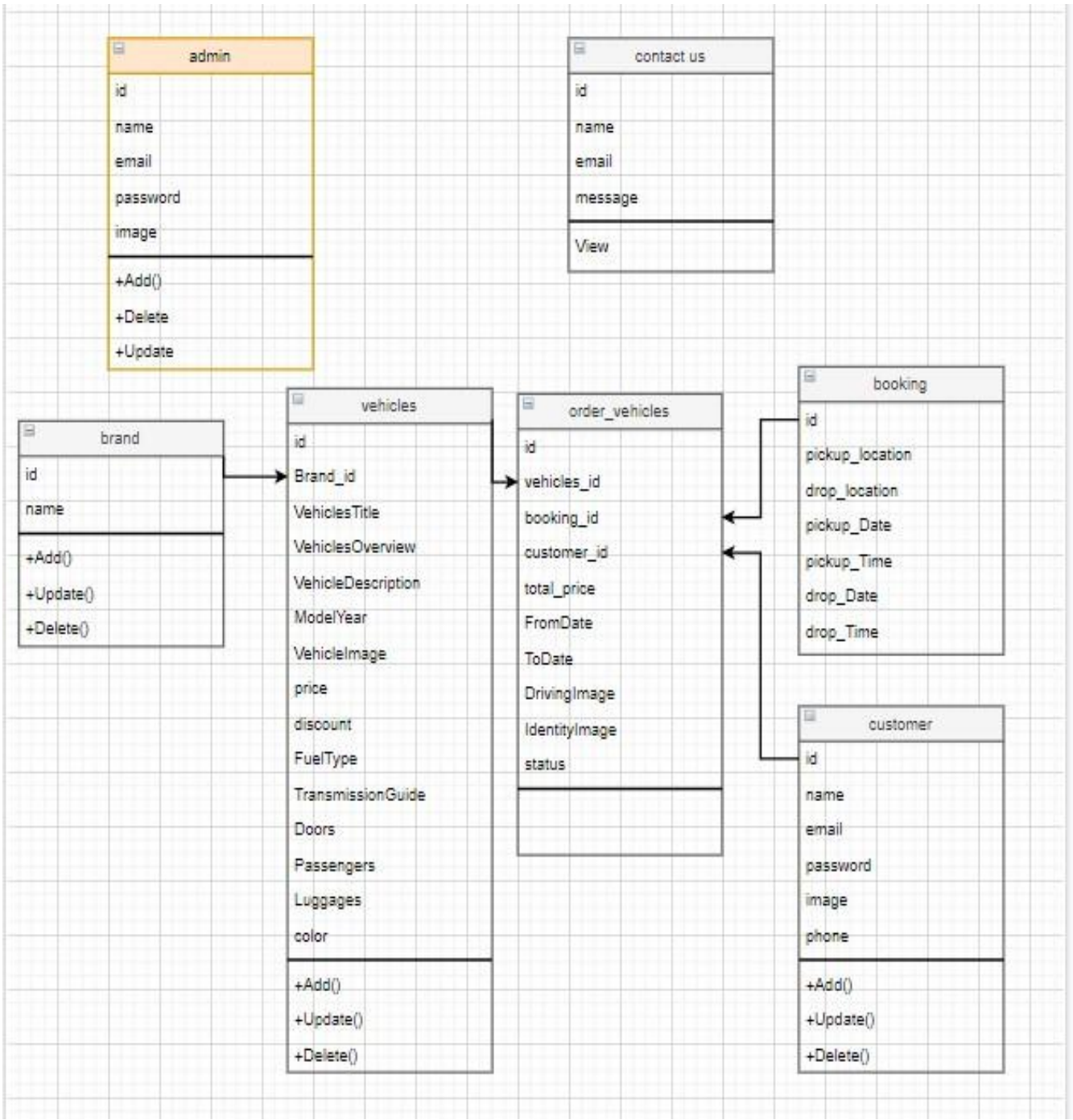
## 5) Error handling:

the error message that guides the user to recover from an error provided. Validation of user's input is highly essential.

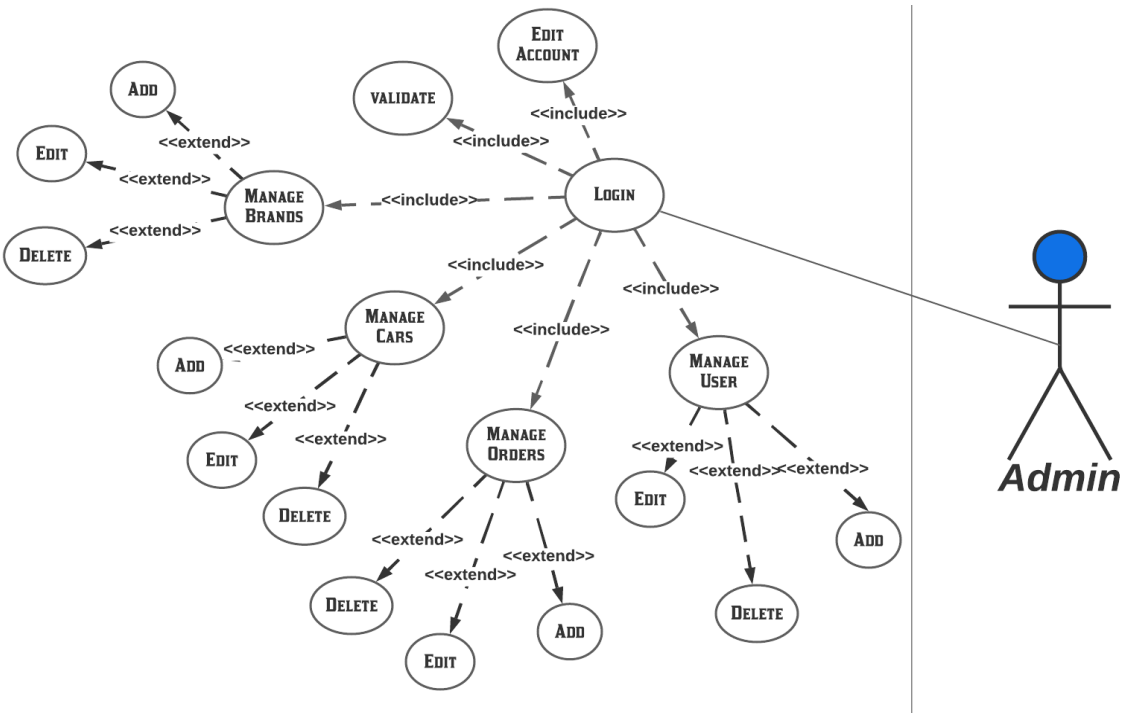
## 6) Ease of use:

Considered the level of knowledge possessed by the users of this system, a simple but quality
user interface developed to make it easy to understand and required less training.

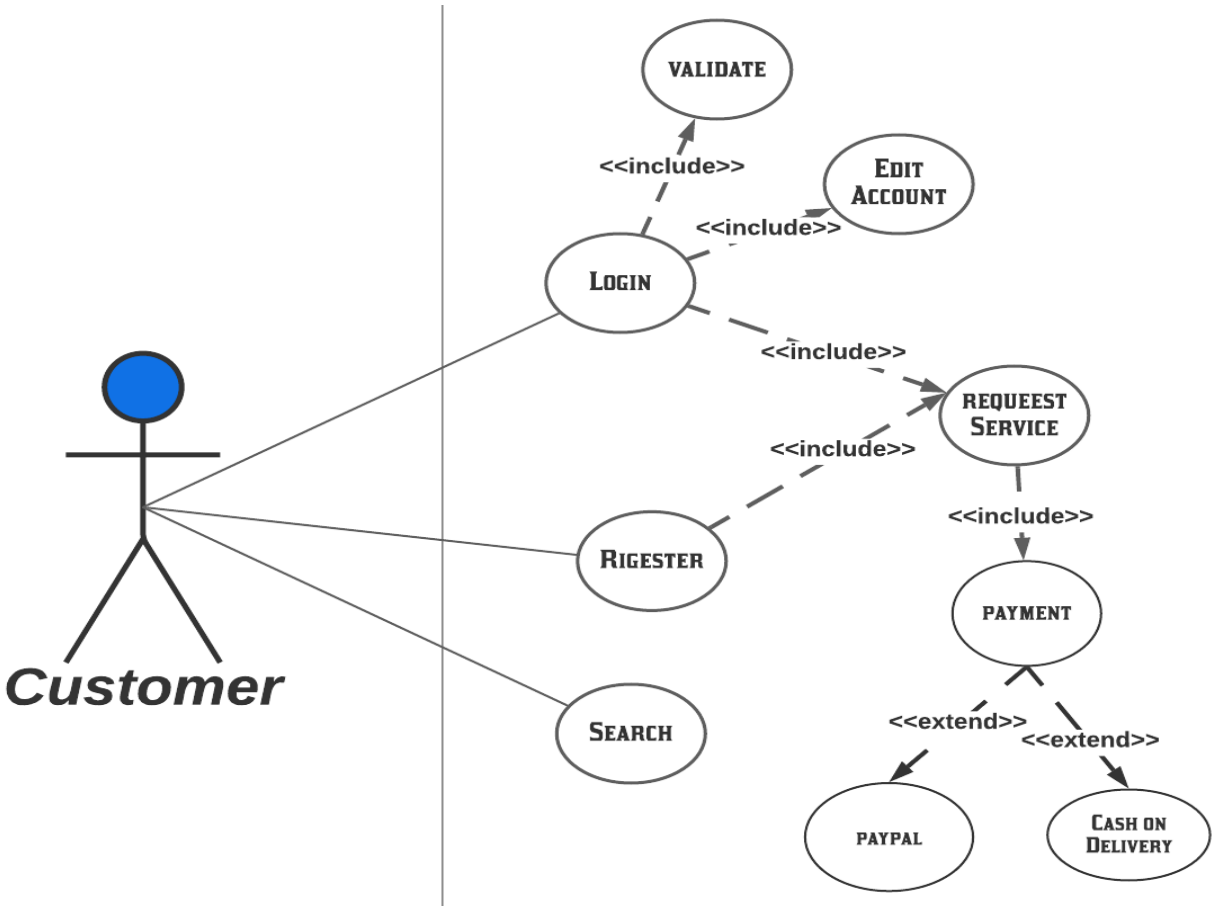
## class Diagram:



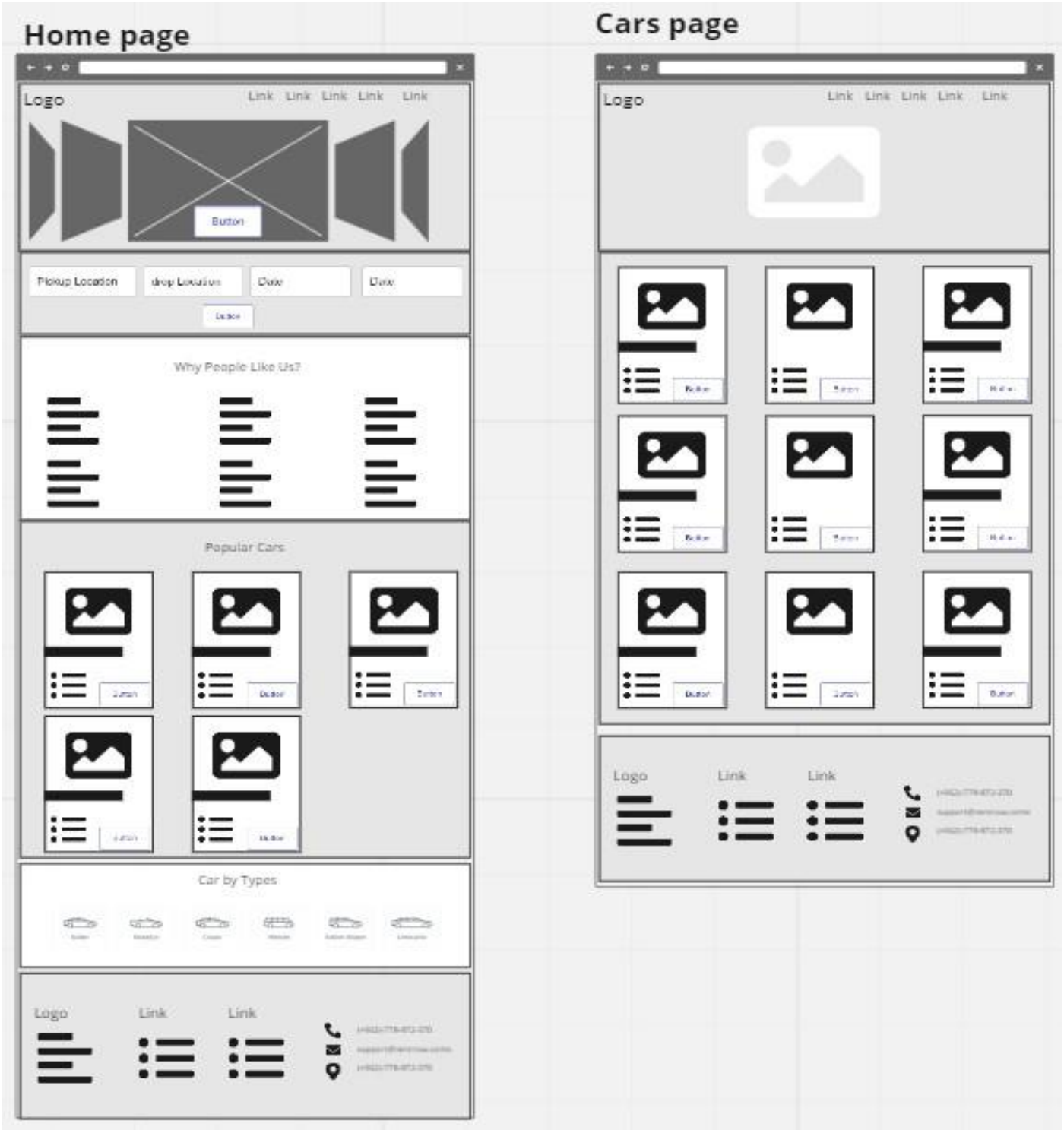
## UseCase Admin:




## UseCase customer



## Wireframe:


Home page
Logo
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Pickup Location
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Date
Why People Like Us?
Popular Cars
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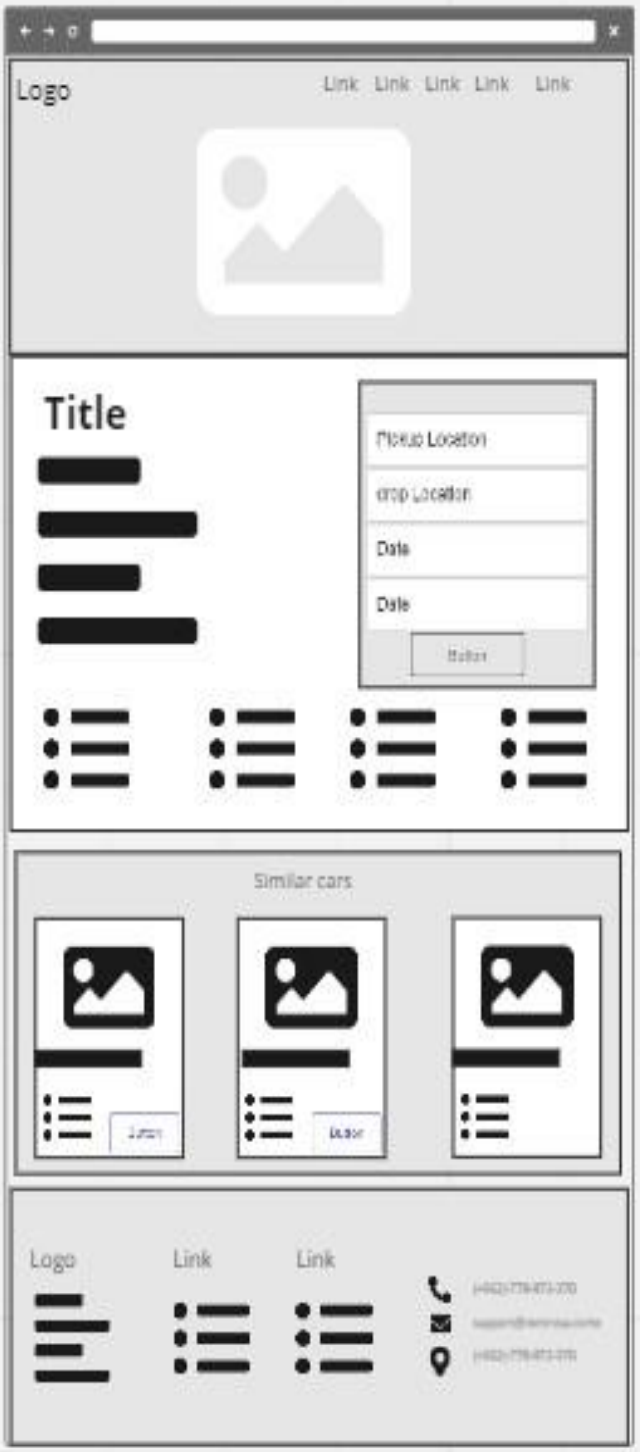
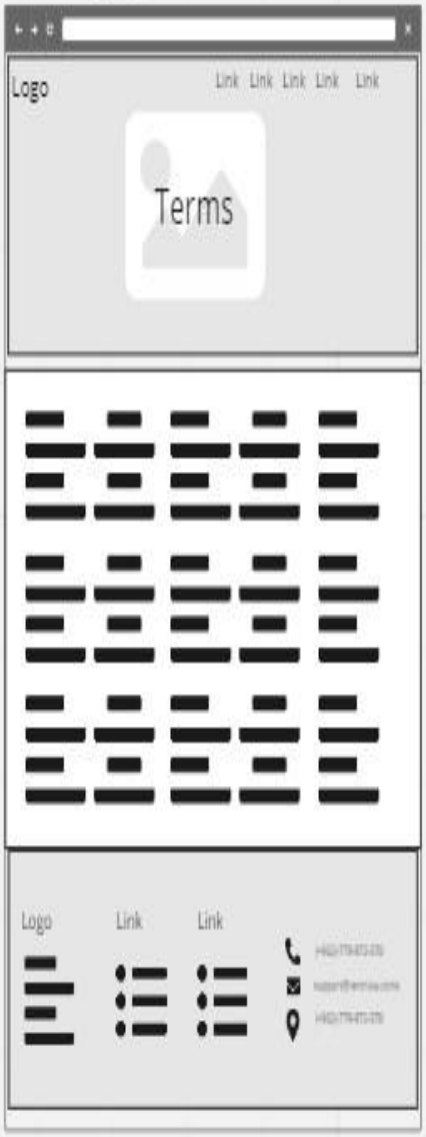
## search car

## car details

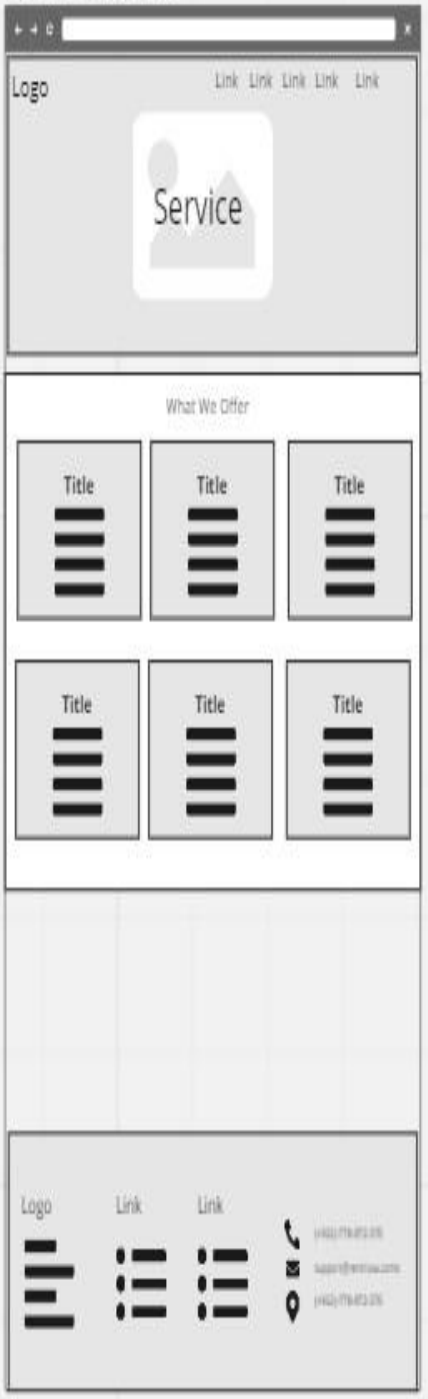


## Terms page




## contact

## Service page



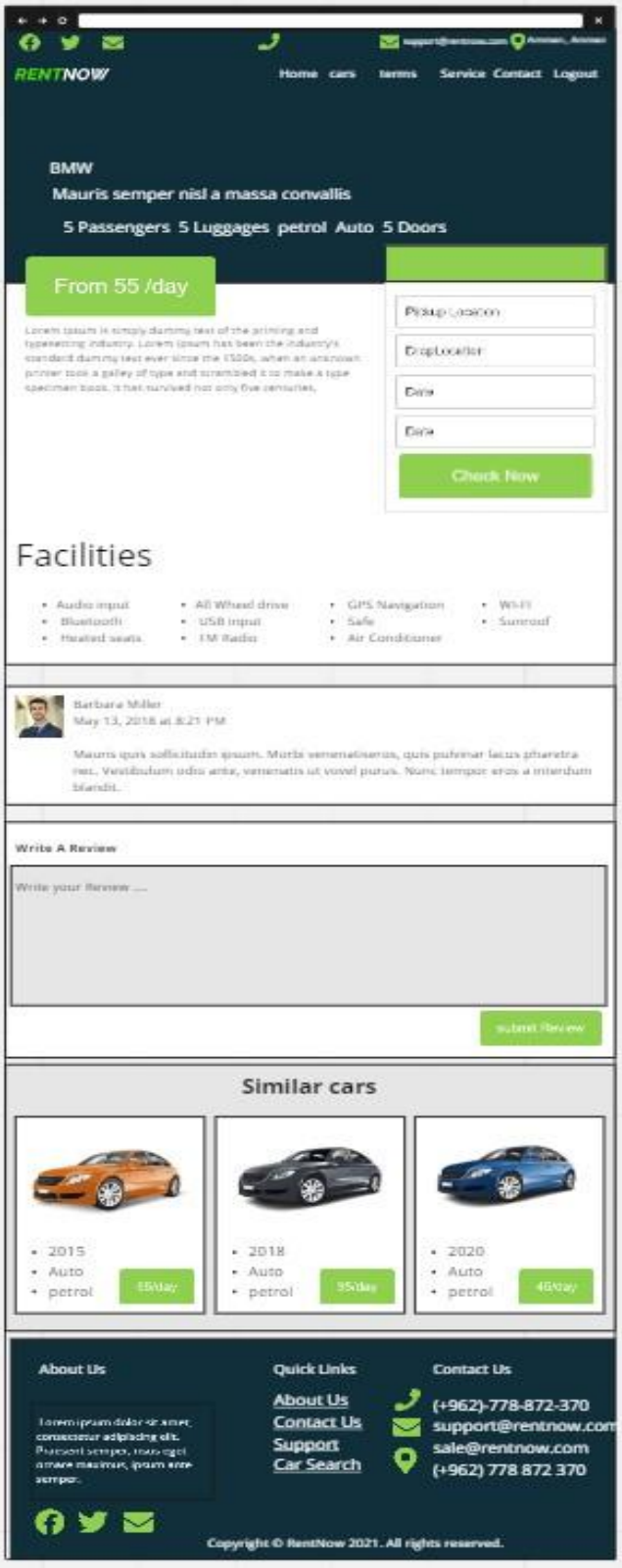
# Mock-ups

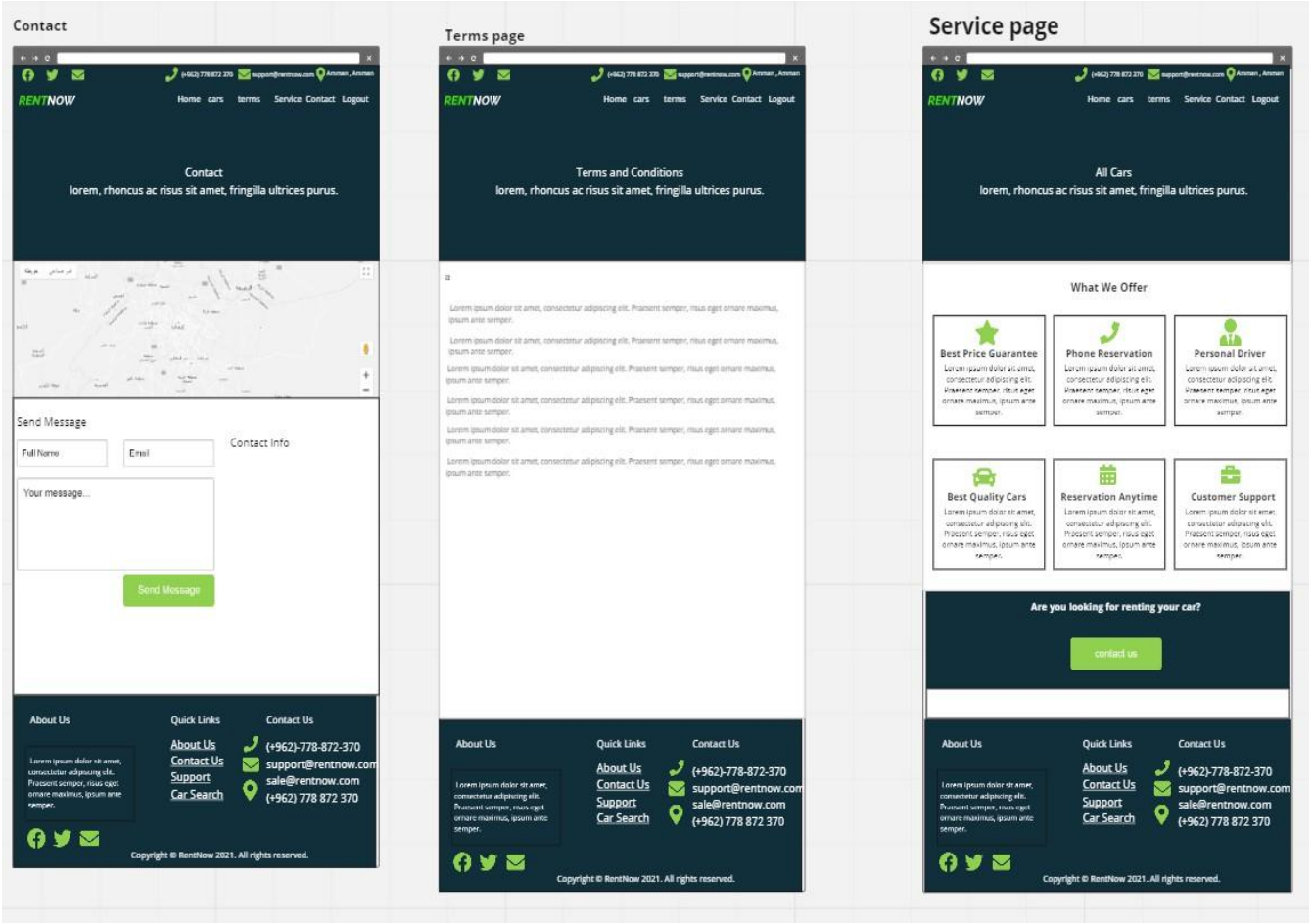
Home Page

Cars page

car-search

car details






## Conclusion:

The car rental business has emerged with new goodies compared to the past experience where every activity concerning the car rental business is limited to a physical location only. Even though the physical location has not been totally eradicated; the nature of functions and how these functions are achieved has been reshaped by the power of the internet. Nowadays, customers can reserve cars online, rent car online, the customer is a registered member, or go to the office to pick the car.

The web-based car rental system has offered an advantage to both customers as well as Car Rental Company to efficiently and effectively manage the business and satisfy customers' need at the click of a button.