**Car Details**

**1. Introduction**

**Purpose:** This document outlines the requirements for the Car Details functionalities of the car rental system.

**Scope:** The functionalities include showing full details of cars that the user clicked and having navigation buttons for booking the selected car and adding the car to wish list.

**Audience:** Developers, designers and testers involved in the development and testing of the car rental system.

**2. Functionalities**

**2.1 User stories**

As a user, I want to see the full details of the car I clicked in the Home page.

As a user, I need to be redirected to the Book Car page when I click Book Car button.

As a user, the system must notify me if the car is not available currently.

As a user, I can add the car to my wish list when I click Add to Wish list button.

**2.2 Requirements**

A system should show specific car details like car number, model name, brand name, colour, image, kilo meter, type, engine type, price and availability to the users.

On clicking Book Car button, user must be redirected to Book Car page if selected car is available.

A system should notify the user, if the car is unavailable.

On clicking Add to Wish list button, the car details must be added to the User Wish list.

**Car Details**

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| **Column Name** | **Data Type** | **Description** |
| RegistrationNumber | VARCHAR(50) | Primary key for the table. |
| ManufacturerName | VARCHAR(50) | Name of the manufacturer of the vehicle. |
| CarModel | VARCHAR(50) | Model of the vehicle. |
| ModelYear | INT | Year in which the vehicle was manufactured. |
| PassengerCapacity | INT | Number of passengers that the vehicle can seat. |
| Colour | VARCHAR(50) | Color of the vehicle. |
| TransmissionType | VARCHAR(50) | Transmission type of the vehicle (e.g., automatic, manual). |
| FuelType | VARCHAR(50) | Type of fuel that the vehicle uses (e.g., gasoline, diesel, electric). |
| HasAc | BIT | Boolean value to represent whether car had ac or not. |
| Mileage | INT | Mileage of the vehicle. |
| ImageData | VARBINARY(MAX) | Store image as raw byte array |
| PricePerHour | INT | Price to rent the vehicle per hour. |
| PricePerDay | INT | Price to rent the vehicle per day. |
| PricePerWeek | INT | Price to rent the vehicle per week. |
| KilometersDriven | DECIMAL(10,2) | Total number of kilometers that the vehicle has been driven. |
| CarAvailability | VARCHAR(50) | Availability status of the vehicle (e.g., available, rented, unavailable). |
| Description | VARCHAR(MAX) | Description of the vehicle. |