

# SYNOPSIS

**ON**

# AutoCart Bucket

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# INTRODUCTION

The project objective is to deliver the online shopping Website into an online platform. This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps to buy the products in the shop anywhere through the internet using the website. There are numerous E-commerce websites across the internet which have a wide range of products of many categories but there is a limitation of these websites that customer has to search a lot to find a particular product of their choice, to overcome this limitation, This project focuses on a particular category i.e. Car accessories and its parts, where you can buy various car-related accessories such seat covers, GPS navigators, car tires, lights, etc.

# EXISTING SYSTEM

Some existing systems similar to our project are:-

1. **Autofurnish**
2. **Boomdo**
3. **Carplus**
4. **Motorbhp**
5. **Autotrends**

These websites provide a user-friendly interface, which helps search for any desired car accessories easier.

# USE OF THE PROJECT

This document lays out a project plan for an e-commerce website for online shopping. The shopping site targets a particular variety related to car accessories. The scope of this project named Autocart Bucket is to provide a user-friendly e-commerce website that will be used for buying accessories like seat covers, car tires, car horns, etc. A Relational Database Management System (RDBMS) is used to store all the details related to users, products, owners. An online shopping (E-commerce) website for Car Accessories like seat covers, car tires, car horns, etc. Its development is based on Full-Stack web development using Mern Stack technology.

The website consists of two modules:

1. **The first module** is the User Module, i.e. the face of the website where users can buy or view products. The user can be a visitor or a customer. Visitors can view all the products but can't buy them. If the visitor has visited the website 1st time then they have to sign up to buy the product or add their desired product or cart, else they have to log in with their user id and password which they have entered during signup to buy the products. For security purposes, there is google re-captcha while signup and text captcha during login.
2. **The second Module** is Owner Module from where the website can be controlled and content inside the website can be manipulated. Each Owner can update the users(view the number of users and can delete them too), Update the products (View products inside each category, edit products, and can add products inside respective categories), and view orders(can view order list of particular users).

# Feasibility of Project

* The front-end part of all applications forms the user-accessible area. This layer, also known as the presentation layer, covers everything available to the user; this front-end operative part of all the applications deal directly with the user interface.
* Back-end, also known as the Logic Layer, this layer deals with everything other than the user interface. The data validation part forms the nucleus of this layer’s core structure.
* The database is the central data part of the application. All process in database management systems like extraction, creation, manipulation, or deletion of the data from the database is a part of this layer.

# FUNCTIONAL SPECIFICATION

* Once a user is registered, he/she can add products to the cart to buy them further or directly buy them.
* After checkout, the user can view all addresses registered by him if any, otherwise, the user can add the address on which he/she wants delivery.
* Users can view the website as a visitor. He/She can view the products and other things but to buy the product, they have to sign up for 1st time and then log in.
* Users must sign up by providing valid details like First Name, Last Name, User ID which is their identity, State, DOB, email, Phone, password with confirmation to register themselves on the website.
* Even if the user has an address added and they want to add another address, they can do it.
* After the order is placed, user can view their previous orders in the Your Order Panel.
* The owner can view the number of users using the website and can delete the user if needed.
* The owner can view the products inside each category and can add, edit and delete products inside each category.
* The owner can view the orders of a particular user with all the details like order date, address, phone, etc.
* After Login/Signup users can also view their details by clicking on their user ID in the header part where they can also update their details if they want to.
* There is an Owner Panel from where the website will be controlled.
* The owner will log in from the user id and password which is already entered in the database to log in.

**Software Specification**

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| 1. | Technology Implemented | Mern Technology |
| 2. | Language Used | HTML, CSS, JAVASCRIPT, REACT |
| 3. | Database | MongoDB |
| 4. | User Interface Design | Figma |
| 5. | Web Browser | Chrome |

# Hardware Requirements

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| 1. | Processor | Core i3 |
| 2. | Operating System | Windows |
| 3. | RAM | 4 GB (Minimum) |
| 4. | Hardware Devices | Laptop |
| 5. | Hard Disk | NA |
| 6. | Display | Adaptive |

# FUTURE SCOPE

*The scope of this project named as AutoCart Bucket is to provide a user-friendly e-commerce website that will be used for buying accessories related to Cars like Seat Cover, Tires, Lights, etc. A Relational Database Management System (RDBMS) is used to store all the details related to users, products, owners.*