

# UNIVERSITY OF NORTH TEXAS

COMPUTER SCIENCE DEPARTMENT

CSCE5560/E-COMMERCE

## Auto Accessories

**(Ecommerce website for automobile accessories)**

A place where you can sell and buy all the automobile accessories.

### **TEAM MEMBERS**

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## **INTRODUCTION:**

The main objective of the project is used to provide automobile accessories in general we call it car accessories to consumers and vendors. It will automate some of the basic operations of an online store. Scope would be to provide basic functionalities using a web application so that those manual process can be automated. Web based applications have evolved greatly in the last few years from simple websites to full-fledged enterprise business systems and business portals integrating with databases, mail systems and a host of third-party software.

The reason to choose this topic of ecommerce site is that there are limited number of ecommerce sites on automobile accessories and the ability to make connection between different vendors and customers and the place to get the best deals from different vendors which helps the customer to choose the right product for less price.

## **Proposed methodology:**

Web based applications, as opposed to client/server, are primarily server based; almost all the code for the application resides on the server. There is usually no client component and users access the application through a web browser.

Web based applications enjoy several advantages over the more traditional client/server technology:

- Easier and faster to develop
- Easier to deploy since all the code resides on the server machine
- No individual client machine installations are required
- Easier to support and upgrade

Features:

- A search bar to browse various accessories and a filter to show all the available accessories for a specified car based on car year and model.
- A shopping cart to conveniently add the list of products into on single list and order all together.
- Catalogue display to browse through specified accessories that customer is looking for.
- Customer login to easily access his/her own saved personal information, products, and credit cards.
- Vendor login, to manage the orders from customers and list the products to sell.

### Security features:

- Secure your checkout or SSL is reliable way to encrypt the data transmission between online store and customers.
- Force customers to create a strong password in order to reduce brute force attacks.
- Two step authentication which refers to the process of giving another verification step to the account owner to identify their login attempt. In other words, when a shopper logs in to your store and makes purchases, he must click on a link sent to his mailbox or type in a number sent to his phone.
- Secure payment gateway like WooCommerce payment gateway for secure transaction between consumer and merchant.

### Software Requirements:

- Operating System: Microsoft Windows 10.
- Front-End: HTML, CSS
- Back-End: PHP, WORDPRESS
- Database: MySQL
- Database size : Default is enough for our project.

### Hardware Requirements:

- Processor – Intel P-IV based system
- Memory – 512 MB RAM (minimum)

Basic algorithm how the website works.

1. If( User already registered)

{

a. Enter Username and password

b. Click login

}

2. Else If( User wants to register)

{

a. Enter Registration details

b. Click SignUp

c. Login

}

3. Browse the catalogue

4. If(Products selected)

{

a. Add to cart

b. Enter the billing details

c. Enter the payment details

d. Place order

}

5. If(Order approved by administrator)

{

a. Order confirmed

}

- A user-friendly website where all types of car accessories can easily be available to customers by using search engine and can choose the products according to the feedback and ratings.
- A web server that can manage an online storefront and process transactions, a database system that can keep a check of the items the store has in stock, and a dispatch system linked to a warehouse where the goods can be instantly located and sent to the buyer as quickly as possible.
- Keeping the design simple a site that's easy to navigate, well-designed, and makes the process of shopping easy, straightforward, and hassle-free.
- Use of color inspirations to our advantage.
- Showing customers what they are buying via high quality images, product description, blog posts and about us page.