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#### 1. INTRODUCTION

### 1.1COMPANY PROFILE

projecttunnel. is your trusted partner for Software engineering and Applications Development, Website Application Advancement in Java/J2ee, .Net and PHP and maintenance, Search Engine Optimization (SEO) and Outsourcing services. We are Delighted to demonstrate to you, through this response, that We are having the abilities, people, processes, technology And the Desire to be your strategic partner of choice.

WorldSoft strives to establish and maintain a best in class work environment and it recognizes that diversity is truly a competitive advantage and helps drive innovation. Worldsoft has an inclusive environment that fosters respect for individuals, their ideas and contributions. We also have an entrepreneurial spirit and encourage its employees to learn and grow by giving them new opportunities and autonomy.

#### **VISION**

"Together we create the enterprises of tomorrow."

#### **MISSION**

To provide world class information technology solutions and services to enable our customer to serve their customer better.

#### **INSTITUTE BENEFITS**

- A Real & Quality Industrial Training for your students.
- Improved quality of your students after Training.

#### **BENEFITS TO STUDENTS**

- Quality Training.
- Experienced and Professional Trainers.
- Latest Courseware.
- Globally Recognized Certifications.
- Placement Opportunities.

**GUIDE: NEELESH KUMAR PRAJAPATI** 

# **ABSTRACT**

Regarding the registration module, it contains the information about newly joined User details like name of the user, password etc. Vehicls Details module contains the details like Name of the Vehicle, send from, send to etc. Billing and Payment Details will contain the details like Actual Amount to be paid, emi. Searching is having the details of the customer. Any agent will login and search the details of the customer it will show all details like customer Details, vehicle name, payment type etc.

This "Online Vehicle Showroom" project mainly contains the vehicle information. The vehicle is purchased that vehicle amount will be cleared or not it will clear then it's ok. Otherwise the agent will search the details of the customer and recover the right information

#### 1. INTRODUCTION

In general, software engineers distinguish software faults from software failures. In case of a failure, the software does not do what the user expects. A fault is a programming error that may or may not actually manifest as a failure. A fault can also be described as an error in the correctness of the semantic of a computer program. A fault will become a failure if the exact computation conditions are met, one of them being that the faulty portion of computer software executes on the CPU. A fault can also turn into a failure when the software is ported to a different hardware platform or a different compiler, or when the software gets extended. Software testing is the technical investigation of the product under test to provide stakeholders with quality related information.

Software testing may be viewed as a sub-field of Software Quality Assurance but typically exists independently (and there may be no SQA areas in some companies). In SQA, software process specialists and auditors take a broader view on software and its development. They examine and change the software engineering process itself to reduce the amount of faults that end up in the code or deliver faster.

#### 1.1 OVERVIEW

#### STUDY OF THE SYSTEM

In the flexibility of uses the interface has been developed a graphics concepts in mind, associated through a browser interface. The GUI's at the top level has been categorized as follows

- 1. Administrator Interface Design.
- 2. User Interface.
- 3. Security Authentication.
- 4. Reports.
- 5. General end-users.

The administrative user interface will maintain the different users details, the interface helps the administration with all the transactional states like which users sending the mails, and which users receiving whishing mails, users details information history. And the statistics of the system in difference stratagies.

#### 1.2 OBJECTIVE

The main purpose of Online Vehicle Showroom is to develop a user friendly application for vehicle showroom administrator as well as customers. This application allows storing vehicle information, stock available at different locations, comparison of products, payment modes etc. This will include the login form for both administrator and customers with their own scope of accessibility. This allows the administrator a global scope and the customer with limited scope. And thus help in maintaining the security of the records.

This system will reduce the manual operation required to maintain all the records of booking information. And also generates the various reports for analysis. Main concept of the project is to enter transaction reports and to maintain customer records.

This project is aimed at developing a Web application that depicts Online Vehicle Showroom and booking vehicles through online. Customer can register to this site and he/she can book vehicles by entering his login information. Administrator is main user of this system and he can add employees, and new vehicle details. This is the website project developed using PHP and MySQL database.

## 2. PROJECT FEASIBILITY STUDY

#### 2.1 TECHNICAL FEASIBILITY:

Evaluating the technical feasibility is the trickiest part of a feasibility study. This is because, at this point in time, not too many detailed design of the system, making it difficult to access issues like performance, costs on (on account of the kind of technology to be deployed) etc. A number of issues have to be considered while doing a technical analysis.

## i) Understand the different technologies involved in the proposed system:

Before commencing the project, we have to be very clear about what are the technologies that are to be required for the development of the new system.

#### ii) Find out whether the organization currently possesses the required technologies:

- o Is the required technology available with the organization?
- o If so is the capacity sufficient?

For instance –

"Will the current printer be able to handle the new reports and forms required for the new system?"

## 2.1.1 H/W SPECIFICATION

Processor : Pentium IV

• RAM Capacity : 1GB

• Hard Disk : 160GB

#### 2.1.2 S/W SPECIFICATION

• Technology : PHP

Web-Technologies : HTML ,JavaScript ,CSS

• Web Server : Apache

Backend Database : MySQL

• Text Editor : Notepad ++

## 3 MODULES DESCRIPTION

#### Login module

In login module a user who has purchage by e-commerce would have been given a user id and a password. He would have his personal information stored in the database referred to earlier in section 2 as 'db-user'. This 'personal information' would be henceforth referred to as 'profile'. Such a user with a profile in db-user shall be called a 'registered user'. A registered user will be able to check the availability of product as well as buy a product by logging into the system

## • Search product

The customer can search any product regarding the needs and related products will be Shown in the next page with the correespnding products. As user can search a single Product with any names it will be searched and displayed

#### Admin Pannal

Admin pannel is for the administrator to add the product, category, brands, title, price, keywords, spectification , image, of the product which is directory visible in web site this is The page where administrator control all the thing of the websites.

## 4. PROCESS DESCRIPTION/METHODOLOGY

The Online Vehicle Showroom software starts with a login form by choosing among two types of user i.e. ADMIN or COMMON USER and later corresponding username and password is to be entered. The admin updates his website with the available stock in showroom and details regarding the description, color, price, accessories etc. The common user is supposed to maintain an account in website to carry on any further transactions. If the common user does not have the account he is directed to create an account by registering into the website by providing his sufficient information like email id, contact details etc and then login. Once logged in he can purchase the products from the showroom or add to carts.

The modules used in this software are as follows:

- Login: This module has a drop down list box from where we have to selected ADMIN or COMMON USER. The ADMIN has all the rights in the *software including updating the status of his site*. The other fields in login is username and password. If the username and password is correct then he is directed to next page.
- Newuser: This module is for the users who does not have an account. Here user is directed to create an account first to login. The account creation is done by filling the registration form with users details such as name, phone, email etc.
- Product: This module has information regarding the vehicles such as its name, model, color, price information etc..

The ADMIN has the authority to Add, Delete, Update etc. the product

The COMMON USER can only view the vehicles, add to cart only those in the stock etc.

- Accessories: This module consists of various available accessories of the vehicle with its name and description, price information etc.
- Search: This is the module that helps the customer to ease his search based on his budjet or interest. The search can be done on different categories like model no, colour, price etc
- Cart: User can select a vehicle and add to the cart. He can also remove from the cart if he dislikes it later.
- Payment: This module describes the payment done by the customer. The payment information can include things like the model purchased, quantity, colour, mode of payment(cash, loan)etc.
- Stocks: This gives the details regarding the products available for sale at the present point of time in the stock.

## 4.1DATA FLOW DIAGRAM (DFD)

A graphical tool used to describe and analyze the moment of data through a system manual or automated including the process, stores of data, and delays in the system. Data Flow Diagrams are the central tool and the basis from which other components are developed. The transformation of data from input to output, through processes, may be described logically and independently of the physical components associated with the system. The DFD is also know as a data flow graph or a bubble chart.

DFDs are the model of the proposed system. They clearly should show the requirements on which the new system should be built. Later during design activity this is taken as the basis for drawing the system's structure charts. The Basic Notation used to create a DFD's are as follows:

**1. Dataflow:** Data move in a specific direction from an origin to a destination.



**2. Process:** People, procedures, or devices that use or produce (Transform) Data. The physical component is not identified.

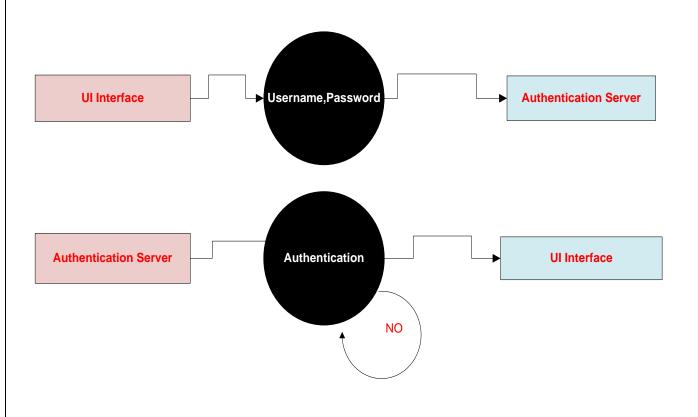


**3. Source:** External sources or destination of data, which may be People, programs, organizations or other entities.

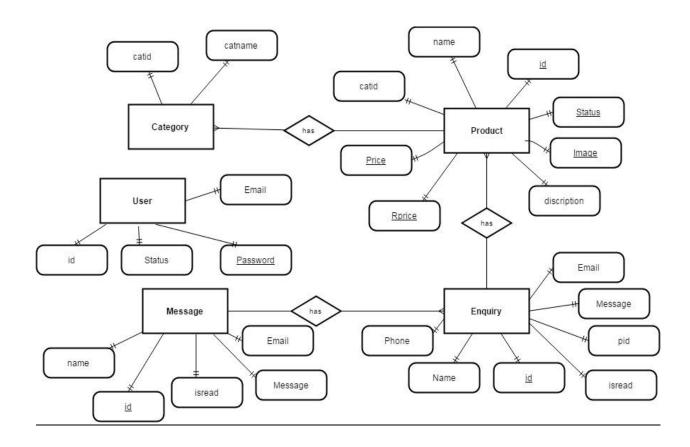
**4. Data Store:** Here data are stored or referenced by a process in the System.



## **Authentication Data Flow Diagram:**



# 4.2 E-R Diagrams



## **UML DIAGRAMS**

#### UNIFIED MODELING LANGUAGE DIAGRAMS

The unified modeling language allows the software engineer to express an analysis model using the modeling notation that is governed by a set of syntactic semantic and pragmatic rules.

A UML system is represented using five different views that describe the system from distinctly different perspective. Each view is defined by a set of diagram, which is as follows.

#### USER MODEL VIEW

This view represents the system from the users perspective.

The analysis representation describes a usage scenario from the end-users perspective.

#### STRUCTURAL MODEL VIEW

In this model the data and functionality are arrived from inside the system.

This model view models the static structures.

#### BEHAVIORAL MODEL VIEW

It represents the dynamic of behavioral as parts of the system, depicting the interactions of collection between various structural elements described in the user model and structural model view.

#### IMPLEMENTATION MODEL VIEW

In this the structural and behavioral as parts of the system are represented as they are to be built.

#### ENVIRONMENTAL MODEL VIEW

In this the structural and behavioral aspects of the environment in which the system is to be implemented are represented.

UML is specifically constructed through two different domains they are:

UML Analysis modeling, which focuses on the user model and structural model views of the system.

UML design modeling, which focuses on the behavioral modeling, implementation modeling and environmental model views.

Use case Diagrams represent the functionality of the system from a user's point of view. Use cases are used during requirements elicitation and analysis to represent the functionality of the system. Use cases focus on the behavior of the system from external point of view.

Actors are external entities that interact with the system. Examples of actors include users like administrator, bank customer ...etc., or another system like central database.

## **Use Case Diagrams**

# UML Diagrams Unified Modeling Language:

The Unified Modeling Language allows the software engineer to express an analysis model using the modeling notation that is governed by a set of syntactic semantic and pragmatic rules.

A UML system is represented using five different views that describe the system from distinctly different perspective. Each view is defined by a set of diagram, which is as follows.

#### User Model View

- i. This view represents the system from the users perspective.
- ii. The analysis representation describes a usage scenario from the end-users perspective.

#### • Structural model view

- i. In this model the data and functionality are arrived from inside the system.
- ii. This model view models the static structures.

#### Behavioral Model View

It represents the dynamic of behavioral as parts of the system, depicting the interactions of collection between various structural elements described in the user model and structural model view.

## • Implementation Model View

In this the structural and behavioral as parts of the system are represented as they are to be built.

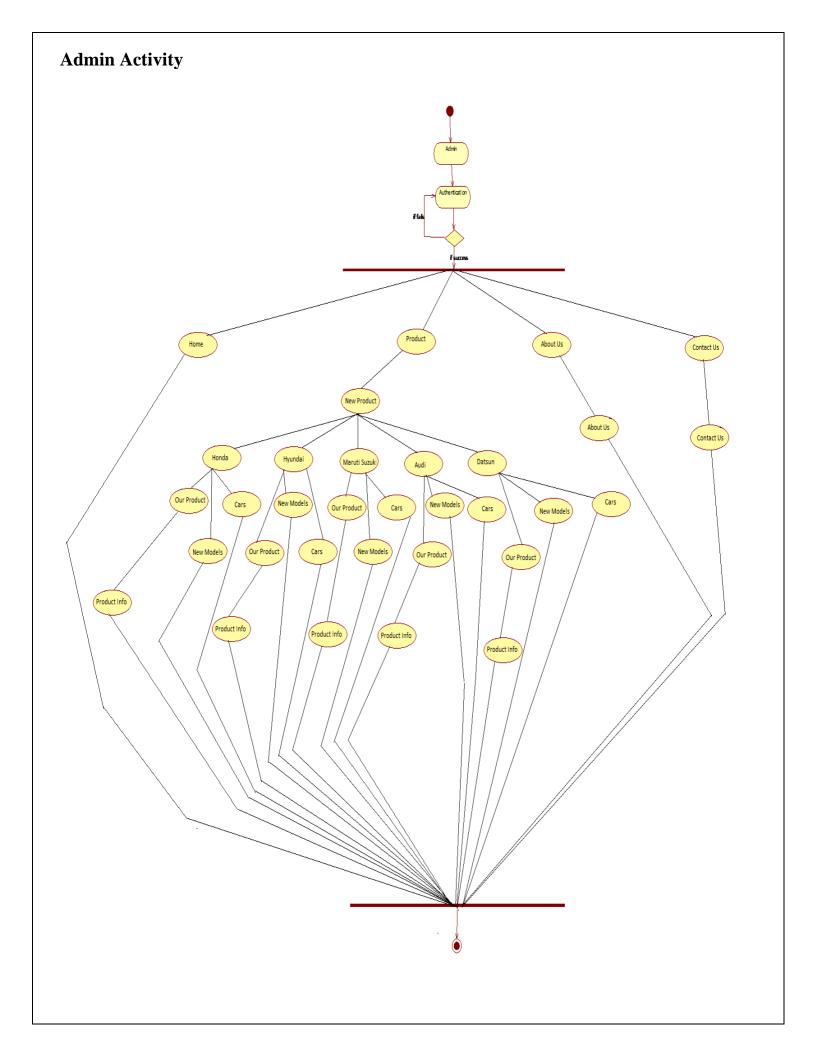
Environmental Model View
 In this the structural and behavioral aspects of the environment in which the system is to be implemented are represented.

UML is specifically constructed through two different domains they are:

- ✓ UML Analysis modeling, this focuses on the user model and structural model views of the system.
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Actors are external entities that interact with the system. Examples of actors include users like administrator, bank customer ...etc., or another system like central database.



#### 5. TECHNOLOGY OVERVIEW

The technology selected for implementing E-Commerce is PHP/MYSQL.Apache is used as the HTTP server. The development was done in a 'windows' environment using adobe dreamweaver CS5/Sublime

#### 5.1 PHP

PHP is a general-purpose scripting language that is especially suited to serverside web development where PHP generally runs on a web server. PHP code is embedded into the HTML source document. Any PHP code in a requested file is executed by the PHP runtime, usually to create dynamic web page content. It can also be used for command-line scripting and client-side GUI applications. PHP can be deployed on many web servers and operating systems, and can be used with many relational database management systems (RDBMS). It is available free of charge, and the PHP Group provides the complete source code for users to build, customize and extend for their own use

## 5.2 MYSQL

MySQL is a relational database management system (RDBMS) that runs as a server providing multi-user access to a number of databases. MySQL is a popular choice of database for use in web applications and is an open source product. The process of setting up a MySQL database varies from host to host, however we will end up with a database name, a user name and a password. Before using our database, we must create a table. A table is a section of the database for storing related information. In a table we will set up the different fields which will be used in that Page | 34 table. Creating a table in phpMyAdmin is simple, we just type the name, select the number of fields and click the 'go' button. we will then be taken to a setup screen where you must create the fields for the database. Another way of creating databases and tables in phpMyAdmin is by executing simple SQL statements. We have used this method in order to create our database and tables.

#### 5.3 APACHE

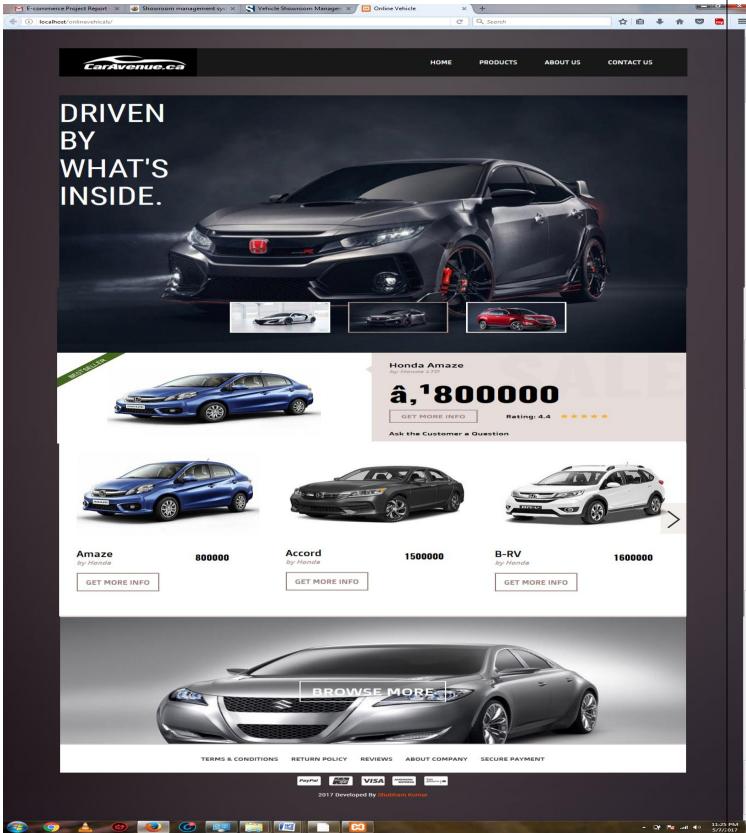
The Apache HTTP Server is a web server software notable for playing a key role in the initial growth of the World Wide Web. In 2009 it became the first web server software to surpass the 100 million web site milestone. Apache is developed and maintained by an open community of developers under the auspices of the Apache Software Foundation. Since April 1996 Apache has been the most popular HTTP server software in use. As of November 2010 Apache served over 59.36% of all websites and over 66.56% of the first one million busiest websites.

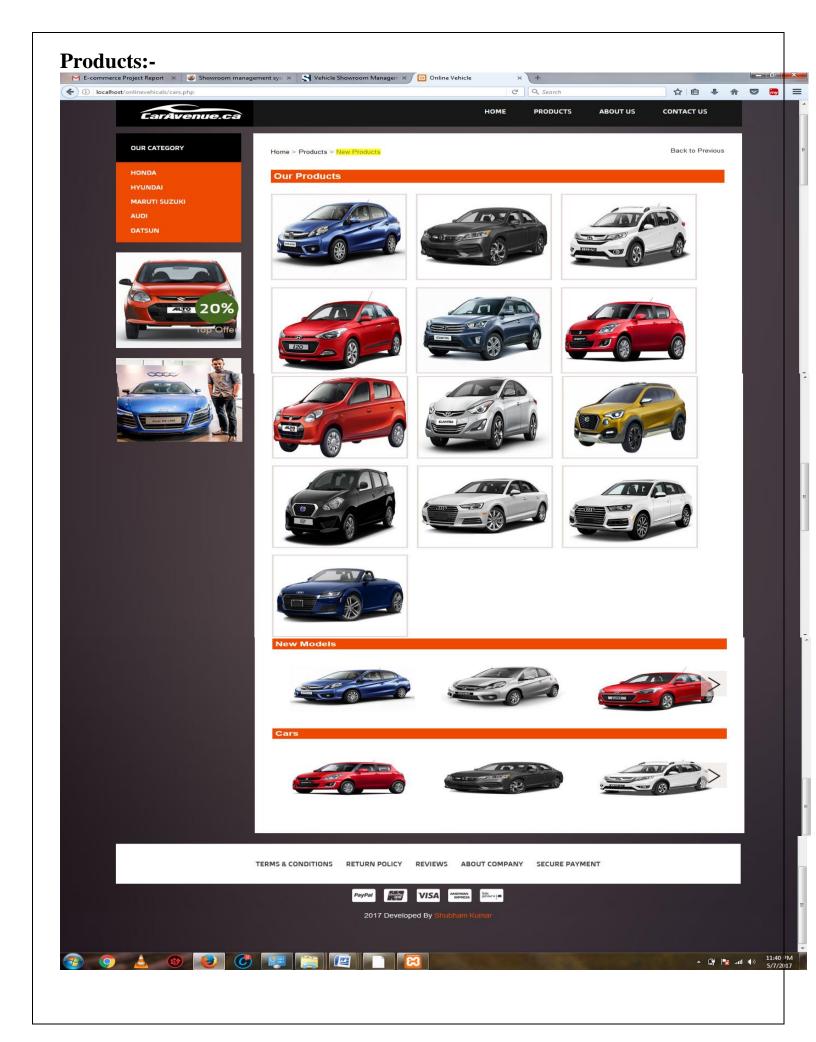
#### 5.4 XAMPP

XAMPP is a small and light Apache distribution containing the most common web development technologies in a single package. Its contents, small size, and portability make it the ideal tool for students developing and testing applications in PHP and MySQL. XAMPP is available as a free download in two specific packages: full and lite. While the full package download provides a wide array of development tools, XAMPP Lite contains the necessary technologies that meet the Ontario Skills Competition standards. The light version is a small package containing Apache HTTP Server, PHP, MySQL, phpMyAdmin, Openssl, and SQLite

## 6. SCREEN SHOTS

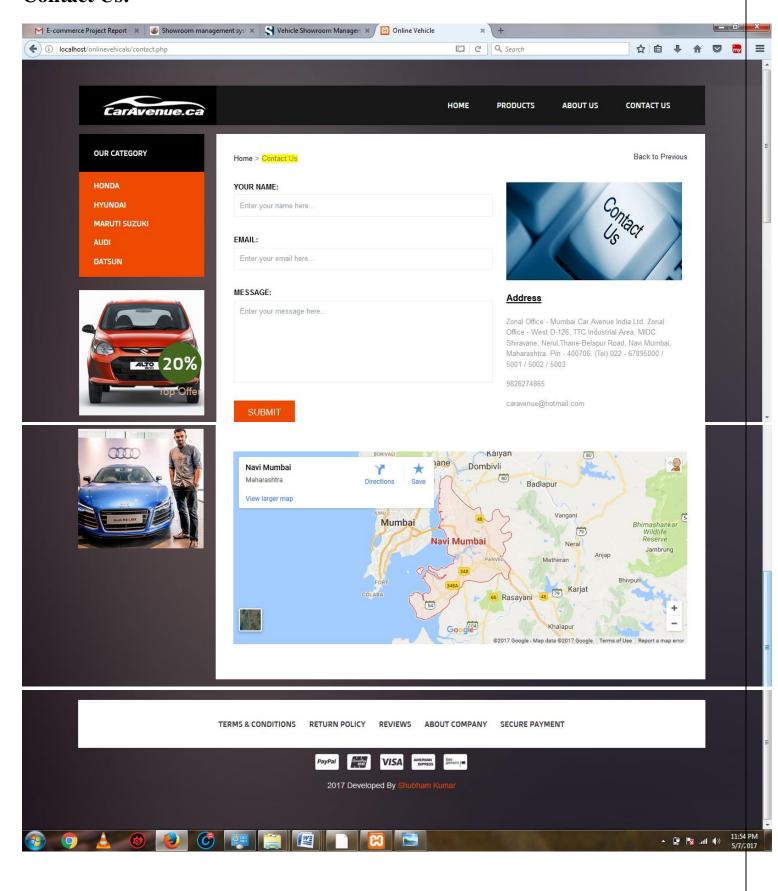
## Home:-

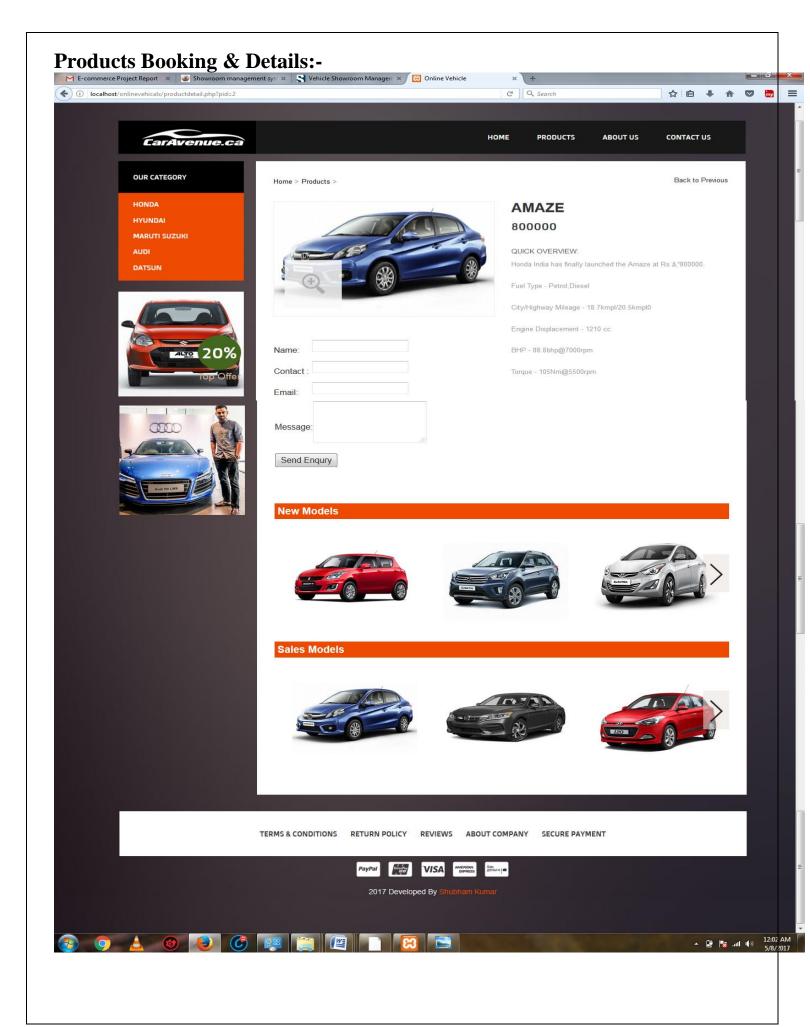




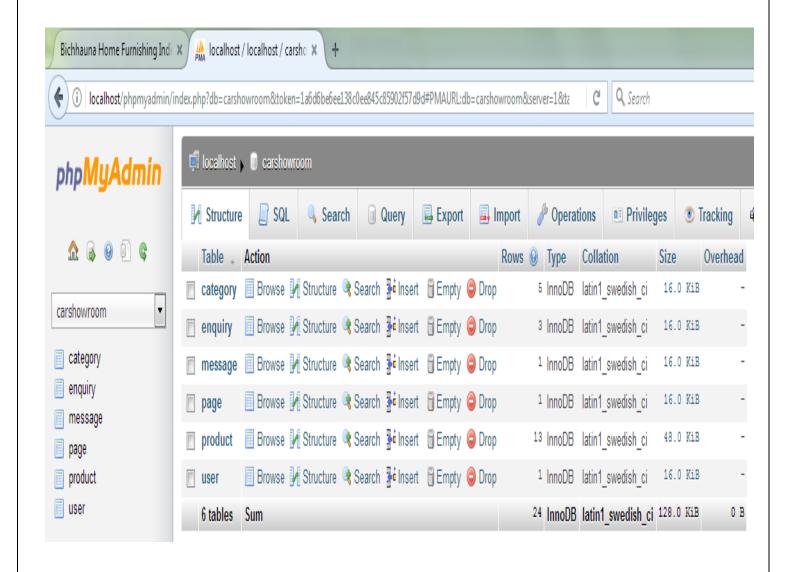


## **Contact Us:-**





## **Data Base:-**





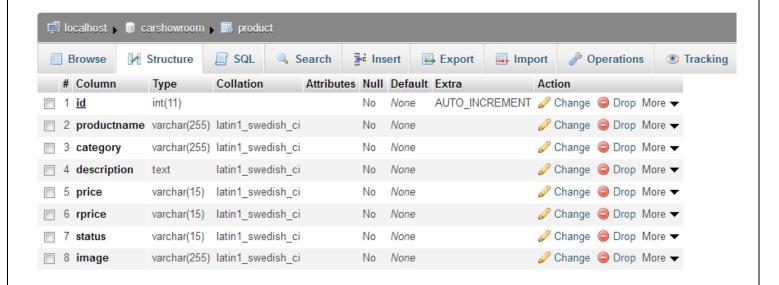
# Enquiry:-



# Message:-



## Product:-



## User:-



```
Coding
7.
Home Page:-
<?php
include('common/dbconnect.php');
?>
<html>
<head>
<title>Online Vehicle</title>
<link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
<!-- ¡Query (necessary for Bootstrap's JavaScript plugins) -->
<script src="js/jquery-1.11.0.min.js"></script>
<!-- Custom Theme files -->
<link href="css/style.css" rel='stylesheet' type='text/css' />
<!-- Custom Theme files -->
<meta name="viewport" content="width=device-width, initial-scale=1">
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>
<!-- Google Fonts -->
<link href='http://fonts.googleapis.com/css?family=Doppio+One' rel='stylesheet'</pre>
type='text/css'>
link
href='http://fonts.googleapis.com/css?family=Roboto+Condensed:400,300,700'
rel='stylesheet' type='text/css'>
k href='http://fonts.googleapis.com/css?family=Oswald:400,700'
rel='stylesheet' type='text/css'>
</head>
<body>
<?php
     include("common/header1.php");
     ?>
<!-- Header Starts Here -->
<div class="header" style="margin-left:-15px;">
     <div class="container">
```

```
<!-- Banner Slide Starts Here -->
              <div class="slider">
              <!-- Slideshow 3 -->
              <script src="js/responsiveslides.min.js"></script>
              <script>
                // You can also use "$(window).load(function() {"
                $(function() {
                 // Slideshow 3
                 $("#slider3").responsiveSlides({
                  manualControls: '#slider3-pager',
                 });
                });
               </script>
           <
              <div class="banner">
                       <h1 style="color:gray;">The future of the
automobile.</h1>
                   </div>
              <div class="banner banner2">
                       <h1>Driven by what's inside.</h1>
                   </div>
              <1i>>
              <div class="banner banner1">
                       <h1>The Best or Nothing</h1>
                   </div>
              <a href="#"><img src="images/small1.jpg" alt=""></a>
            <a href="#"><img src="images/small2.jpg" alt=""></a>
            <a href="#"><img src="images/small3.jpg" alt=""></a>
           </111>
           <div class="clearfix"> </div>
           </div>
```

```
<!-- Banner Slide Ends Here -->
          <!-- Best Seller Starts Here -->
          <div class="best-seller">
               <div class="best-seller-row">
                    <div class="seller-column">
                         <div class="sale-box">
                               <span class="on_sale</pre>
title_shop">bestseller</span>
                         </div>
                         <img src="images/-amaze.jpg" alt="" class="seller-</pre>
img">
                    </div>
                    <div class="seller-column1">
                         <h3>Sale</h3>
                         <span class="sale-nip"></span>
                         <h4>Honda Amaze</h4>
                         <small>by Honda LTD</small>
                         ₹800000
                         <div class="price">
                               <a href="amaze.php">Get More Info</a>
                               <span class="rating">Rating: 4.4 <i</pre>
class="ratings"></i></span>
                          </div>
                         Ask the Customer a
Question
                    </div>
                    <div class="clearfix"></div>
               </div>
               <div class="biseller-info">
               <?php
                         $sql = "select p.*,c.*,p.id as pid from product as
p,category as c where p.category=c.id";
                         $cq = mysql_query($sql);
                         while(cr = mysql fetch array(cq))
                          ?>
```

```
<
                          <div class="biseller-column">
                          <img src="upload/<?php echo $cr['image']?>" alt=""
class="veiw-img">
                                <div class="veiw-img-mark">
                                     <a href="productdetail.php?pid=<?php
echo $cr['pid']; ?>">Info</a>
                                </div>
                          <div class="biseller-name">
                                <h4><?php echo $cr['productname']; ?></h4>
                                <small>by <?php echo $cr['categoryname'];</pre>
?></small>
                          </div>
                          <div class="biseller-name1">
                                <?php echo $cr['price']; ?>
                          </div>
                          <div class="clearfix"></div>
                          <div class="price-s">
                                <a href="productdetail.php?pid=<?php echo
$cr['pid']; ?>">Get More Info</a>
                          </div>
                          </div>
                     <?php
                </div>
          </div>
                <script type="text/javascript">
                     $(window).load(function() {
                          $("#flexiselDemo3").flexisel({
                                visibleItems: 3,
                                animationSpeed: 1000,
```

```
autoPlay: true,
                                  autoPlaySpeed: 3000,
                                  pauseOnHover: true,
                                  enableResponsiveBreakpoints: true,
                            responsiveBreakpoints: {
                                  portrait: {
                                       changePoint:480,
                                       visibleItems: 1
                                  },
                                  landscape: {
                                       changePoint:640,
                                       visibleItems: 2
                                  },
                                  tablet: {
                                       changePoint:768,
                                       visibleItems: 3
                                  }
                         });
                       });
                   </script>
                   <script type="text/javascript"</pre>
src="js/jquery.flexisel.js"></script>
     </div>
</div>
<div>
<?php
     include("common/footer.php");
     ?>
     </div>
</body>
</html>
<?php
include('common/dbconnect.php');
?>
```

```
<html>
<head>
<title>Online Vehicle</title>
<link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
<!-- ¡Query (necessary for Bootstrap's JavaScript plugins) -->
<script src="js/jquery-1.11.0.min.js"></script>
<!-- Custom Theme files -->
<link href="css/style.css" rel='stylesheet' type='text/css' />
<!-- Custom Theme files -->
<meta name="viewport" content="width=device-width, initial-scale=1">
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>
<!-- Google Fonts -->
<link href='http://fonts.googleapis.com/css?family=Doppio+One' rel='stylesheet'</pre>
type='text/css'>
link
href='http://fonts.googleapis.com/css?family=Roboto+Condensed:400,300,700'
rel='stylesheet' type='text/css'>
k href='http://fonts.googleapis.com/css?family=Oswald:400,700'
rel='stylesheet' type='text/css'>
</head>
<body>
<?php
     include("common/header1.php");
     ?>
<!-- Header Starts Here -->
<div class="header" style="margin-left:-15px;">
     <div class="container">
           <!-- Banner Slide Starts Here -->
                 <div class="slider">
                 <!-- Slideshow 3 -->
                 <script src="js/responsiveslides.min.js"></script>
                 <script>
                   // You can also use "$(window).load(function() {"
                   $(function() {
```

```
// Slideshow 3
                 $("#slider3").responsiveSlides({
                  manualControls: '#slider3-pager',
                 });
                });
               </script>
           <
              <div class="banner">
                       <h1 style="color:gray;">The future of the
automobile.</h1>
                  </div>
              <
              <div class="banner banner2">
                       <h1>Driven by what's inside.</h1>
                  </div>
              <div class="banner banner1">
                       <h1>The Best or Nothing</h1>
                  </div>
              <a href="#"><img src="images/small1.jpg" alt=""></a>
            <a href="#"><img src="images/small2.jpg" alt=""></a>
            <a href="#"><img src="images/small3.jpg" alt=""></a>
           </11/>
           <div class="clearfix"> </div>
           </div>
         <!-- Banner Slide Ends Here -->
         <!-- Best Seller Starts Here -->
         <div class="best-seller">
              <div class="best-seller-row">
                  <div class="seller-column">
                       <div class="sale-box">
```

```
<span class="on_sale</pre>
title_shop">bestseller</span>
                         </div>
                         <img src="images/-amaze.jpg" alt="" class="seller-
img">
                    </div>
                    <div class="seller-column1">
                         <h3>Sale</h3>
                         <span class="sale-nip"></span>
                         <h4>Honda Amaze</h4>
                         <small>by Honda LTD</small>
                         ₹800000
                         <div class="price">
                              <a href="amaze.php">Get More Info</a>
                              <span class="rating">Rating: 4.4 <i</pre>
class="ratings"></i></span>
                         </div>
                         Ask the Customer a
Question
                    </div>
                    <div class="clearfix"></div>
               </div>
               <div class="biseller-info">
               <?php
                         $sql = "select p.*,c.*,p.id as pid from product as
p,category as c where p.category=c.id";
                         $cq = mysql_query($sql);
                         while($cr = mysql_fetch_array($cq))
                         ?>
                    <div class="biseller-column">
```

```
<img src="upload/<?php echo $cr['image']?>" alt=""
class="veiw-img">
                                <div class="veiw-img-mark">
                                     <a href="productdetail.php?pid=<?php
echo $cr['pid']; ?>">Info</a>
                                </div>
                          <div class="biseller-name">
                                <h4><?php echo $cr['productname']; ?></h4>
                                <small>by <?php echo $cr['categoryname'];</pre>
?></small>
                          </div>
                          <div class="biseller-name1">
                                <?php echo $cr['price']; ?>
                           </div>
                          <div class="clearfix"></div>
                          <div class="price-s">
                                <a href="productdetail.php?pid=<?php echo
$cr['pid']; ?>">Get More Info</a>
                          </div>
                           </div>
                     <?php
                     ?>
                </div>
          </div>
                <script type="text/javascript">
                      $(window).load(function() {
                          $("#flexiselDemo3").flexisel({
                                visibleItems: 3,
                                animationSpeed: 1000,
                                autoPlay: true,
                                autoPlaySpeed: 3000,
                                pauseOnHover: true,
                                enableResponsiveBreakpoints: true,
                          responsiveBreakpoints: {
```

```
portrait: {
                                    changePoint:480,
                                    visibleItems: 1
                               },
                               landscape: {
                                    changePoint:640,
                                    visibleItems: 2
                               },
                               tablet: {
                                    changePoint:768,
                                    visibleItems: 3
                               }
                       });
                     });
                 </script>
                 <script type="text/javascript"</pre>
src="js/jquery.flexisel.js"></script>
     </div>
</div>
<div>
<?php
     include("common/footer.php");
     </div>
</body>
</html>
Abut Us Coding:-
<html>
<head></head>
<body>
<div class="footer-top abt-ft">
               <a href="#">terms & conditions</a>
```

```
<a href="#">return policy</a>
                  <a href="#">reviews</a>
                  <a href="About.php">about company</a>
                  <a href="#">secure payment</a>
              </div>
         <i class="paypal"></i>
              <i class="wi"></i>
              <i class="visa"></i>
              <i class="amazon"></i>
              <i class="sm"></i>
         2017 Developed By <a href="#">Shubham
Kumar</a>
    </div>
</body>
</html>
PHP Coding:-
<?php
include('common/dbconnect.php');
$sql = "select * from page where id='1'";
         q = mysql_query(sql);
         r = mysql_fetch_array(q)
?>
<html>
<head>
<title>Online Vehicle</title>
<link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
<!-- ¡Query (necessary for Bootstrap's JavaScript plugins) -->
<script src="js/jquery-1.11.0.min.js"></script>
<!-- Custom Theme files -->
<link href="css/style.css" rel='stylesheet' type='text/css' />
<!-- Custom Theme files -->
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>
<!-- Google Fonts -->
<link href='http://fonts.googleapis.com/css?family=Doppio+One' rel='stylesheet'</pre>
type='text/css'>
link
href='http://fonts.googleapis.com/css?family=Raleway:100,200,300,400,500,600,
700,800,900' rel='stylesheet' type='text/css'>
k href='http://fonts.googleapis.com/css?family=Oswald:400,700'
rel='stylesheet' type='text/css'>
<script src="js/jquery.etalage.min.js"></script>
<link href="css/component.css" rel='stylesheet' type='text/css' />
<!-- Include the Etalage files -->
<!---//details-product-slider--->
<script src="js/easyResponsiveTabs.js" type="text/javascript"></script>
             <script type="text/javascript">
                   $(document).ready(function () {
                     $('#horizontalTab').easyResponsiveTabs({
                       type: 'default', //Types: default, vertical, accordion
                       width: 'auto', //auto or any width like 600px
                       fit: true // 100% fit in a container
                     });
                   });
                  </script>
</head>
<body>
<!-- Header Starts Here -->
<div class="header">
     <div class="container">
           <div class="header-top">
                <div class="logo">
                      <a href="index.php"><img src="images/logo2.jpg"></a>
                </div>
                <span class="menu"></span>
                <div class="clear"></div>
                <div class="navigation">
                      <a href="index.php">Home</a>
```

```
<a href="cars.php">Products</a>
                       <a href="about.php">About Us</a>
                       <a href="contact.php">Contact Us</a>
                  <script>
                       $( "span.menu" ).click(function() {
                        $(".navigation ul.navig").slideToggle("slow",
function() {
                         // Animation complete.
                        });
                       });
                  </script>
              </div>
              <div class="clearfix"></div>
         </div>
<?php
    include("common/sidebar.php");
    ?>
              </div>
              <div class="new-product">
                  <div class="new-product-top">
                       <a
href="index.php">Home</a>&nbsp;<span>&gt;</span>
                            <span class="act">About
Us</span>&nbsp;
                       </111>
                       <a href="index.php">Back to
Previous</a>
                       <div class="clearfix"></div>
                  </div>
                  <div class="sap tabs">
                     <div id="horizontalTab" style="display: block; width:</pre>
100%; margin: 0px;">
```

```
<div class="facts">
                                                  <h2>&nbsp&nbsp<u>About
us < /u > < /h2 >
                                                    <?php echo $r['description'];</pre>
?>
                                            </div>
                                        </div>
                                </div>
                            </div>
                 </div>
                 <div class="clearfix"></div>
                <!--- fOOTER Starts Here --->
           <?php
     include("common/footer1.php");
</body>
</html>
Acorrd:-
<?php
include('common/dbconnect.php');
?>
<html>
<head>
<title>Online Vehicle</title>
<link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
<!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
<script src="js/jquery-1.11.0.min.js"></script>
<!-- Custom Theme files -->
<link href="css/style.css" rel='stylesheet' type='text/css' />
<!-- Custom Theme files -->
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>
<!-- Google Fonts -->
<link href='http://fonts.googleapis.com/css?family=Doppio+One' rel='stylesheet'</pre>
type='text/css'>
link
href='http://fonts.googleapis.com/css?family=Raleway:100,200,300,400,500,600,
700,800,900' rel='stylesheet' type='text/css'>
k href='http://fonts.googleapis.com/css?family=Oswald:400,700'
rel='stylesheet' type='text/css'>
<link rel="stylesheet" href="css/etalage.css">
<script src="js/jquery.etalage.min.js"></script>
<!-- Include the Etalage files -->
<script>
           jQuery(document).ready(function($){
                 $('#etalage').etalage({
                      thumb_image_width: 400,
                      thumb_image_height: 250,
                      show_hint: true,
                      click_callback: function(image_anchor, instance_id){
                            alert('Callback example:\nYou clicked on an image
with the anchor: "'+image_anchor+"'\n(in Etalage instance: "'+instance_id+"')');
                 });
                // This is for the dropdown list example:
                 $('.dropdownlist').change(function(){
                      etalage_show( $(this).find('option:selected').attr('class') );
                 });
     });
</script>
<!---//details-product-slider--->
</head>
<body>
<!-- Header Starts Here -->
<div class="header">
```

```
<div class="container">
<?php
    include("common/header1.php");
    ?>
         <div class="about">
<?php
    include("common/sidebar.php");
?>
              </div>
              <div class="new-product">
                  <div class="new-product-top">
                       <1i><a
href="index.php">Home</a>&nbsp;<span>&gt;</span>
                           <1i><a
href="best.html">Accessories</a>&nbsp;<span>&gt;</span>
                           <a href="bikes.html">New</a>
Products</a>&nbsp;<span>&gt;</span>
                           <span class="act">Honda
Accord</span>&nbsp;
                       <a href="index.php">Back to
Previous</a>
                       <div class="clearfix"></div>
                  </div>
                  <div class="singel_right">
                <div class="labout span_1_of_a1">
                  <!-- start product_slider -->
                     <a href="optionallink.html">
                                         <img
class="etalage_thumb_image" src="images/accord.jpg" class="img-responsive"
/>
```

```
<img
class="etalage_source_image" src="images/accord.jpg" class="img-responsive"
/>
                                        </a>
                                   </div>
                    <div class="cont1 span_2_of_al">
                         <h3>Honda Accord</h3>
                         <div class="price_single">
                          <span class="actual">₹1500000</span>
                          <h2 class="quick">Quick Overview:</h2>
                          <a href="#">click for offer</a>
                         </div>
                         <h2 class="quick">Quick Overview:</h2>
                          Honda India has launched
the Accord at Rs ₹1500000.
           <br/>br>Fuel Type - Diesel</br>
                         <br/>br>City/Highway Mileage -
16.1kmpl/18.2kmpl0</br>
           <br> Engine Displacement - 1102 cc</br>
           <br/>
<br/>
br>BHP-90.8bhp@6400rpm</br>
           <br>Torque - 119Nm@4900rpm</br>
                         </div>
                    <div class="clearfix"></div>
               </div>
               <h3 class="new-models">New Models</h3>
                    <div class="best-seller">
                         <div class="biseller-info">
                         \langle li \rangle
                                   <div class="biseller-column">
                                   <img src="images/creta.jpg" alt="">
                                   </div>
```

```
<
                     <div class="biseller-column">
                     <img src="images/model.png" alt="">
                     </div>
                <div class="biseller-column">
                     <img src="images/brv.jpg" alt="">
                     </div>
               <
                     <div class="biseller-column">
                     <img src="images/swift.png" alt="">
                     </div>
                </div>
</div>
<script type="text/javascript">
     $(window).load(function() {
          $("#flexiselDemo3").flexisel({
               visibleItems: 3,
               animationSpeed: 1000,
               autoPlay: true,
               autoPlaySpeed: 3000,
               pauseOnHover: true,
               enableResponsiveBreakpoints: true,
          responsiveBreakpoints: {
               portrait: {
                     changePoint:480,
                     visibleItems: 1
                },
               landscape: {
                     changePoint:640,
                     visibleItems: 2
                },
               tablet: {
                     changePoint:768,
                     visibleItems: 3
```

```
});
     });
 </script>
<h3 class="new-models">Sales Models</h3>
     <div class="best-seller">
          <div class="biseller-info">
          \langle li \rangle
                     <div class="biseller-column">
                     <img src="images/accord.jpg" alt="">
                     </div>
               \langle li \rangle
                     <div class="biseller-column">
                     <img src="images/i20.jpg" alt="">
                     </div>
               <
                    <div class="biseller-column">
                    <img src="images/city.png" alt="">
                     </div>
               <
                    <div class="biseller-column">
                     <img src="images/-amaze.jpg" alt="">
                     </div>
               </div>
</div>
<script type="text/javascript">
     $(window).load(function() {
          $("#flexiselDemo1").flexisel({
               visibleItems: 3,
               animationSpeed: 1000,
               autoPlay: true,
```

```
autoPlaySpeed: 3000,
                                 pauseOnHover: true,
                                  enableResponsiveBreakpoints: true,
                            responsiveBreakpoints: {
                                 portrait: {
                                       changePoint:480,
                                       visibleItems: 1
                                  },
                                 landscape: {
                                       changePoint:640,
                                       visibleItems: 2
                                  },
                                  tablet: {
                                       changePoint:768,
                                       visibleItems: 3
                                  }
                         });
                      });
                  </script>
                  <script type="text/javascript"</pre>
src="js/jquery.flexisel.js"></script>
                 </div>
                <div class="clearfix"></div>
           </div>
           <!--- fOOTER Starts Here --->
           <?php
     include("common/footer1.php");
     <!--- fOOTER Starts Here --->
</body>
</html>
Cars Coding:-
<?php
include('common/dbconnect.php');
?>
```

```
<html>
<head>
<title>Online Vehicle</title>
<link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
<!-- ¡Query (necessary for Bootstrap's JavaScript plugins) -->
<script src="js/jquery-1.11.0.min.js"></script>
<!-- Custom Theme files -->
<link href="css/style.css" rel='stylesheet' type='text/css' />
<!-- Custom Theme files -->
<meta name="viewport" content="width=device-width, initial-scale=1">
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>
<!-- Google Fonts -->
<link href='http://fonts.googleapis.com/css?family=Doppio+One' rel='stylesheet'</pre>
type='text/css'>
link
href='http://fonts.googleapis.com/css?family=Raleway:100,200,300,400,500,600,
700,800,900' rel='stylesheet' type='text/css'>
k href='http://fonts.googleapis.com/css?family=Oswald:400,700'
rel='stylesheet' type='text/css'>
<link rel="stylesheet" href="css/etalage.css">
<script src="js/jquery.etalage.min.js"></script>
<!-- Include the Etalage files -->
<script>
           iQuery(document).ready(function($){
                 $('#etalage').etalage({
                      thumb_image_width: 400,
                      thumb_image_height: 350,
                      show hint: true,
                      click_callback: function(image_anchor, instance_id){
                            alert('Callback example:\nYou clicked on an image
with the anchor: "'+image_anchor+"'\n(in Etalage instance: "'+instance_id+"')');
                 });
                // This is for the dropdown list example:
                 $('.dropdownlist').change(function(){
```

```
etalage_show( $(this).find('option:selected').attr('class') );
              });
     });
</script>
<!---/details-product-slider--->
</head>
<body>
<?php
    include("common/header1.php");
<?php
    include("common/sidebar.php");
    ?>
              </div>
              <div class="new-product">
                   <div class="new-product-top">
                       <a
href="index.php">Home</a>&nbsp;<span>&gt;</span>
                            <a
href="cars.php">Products</a>&nbsp;<span>&gt;</span>
                            <span class="act">New
Products</span>&nbsp;
                       <a href="index.php">Back to
Previous</a>
                       <div class="clearfix"></div>
                   </div>
                   <div class="new-topday">
                       <h3 class="new-models">Our Products</h3>
         <?php
          $sql = "select * from product";
          $q = mysql_query($sql);
```

```
while(\$r = mysql_fetch_array(\$q))
          ?>
                         <a href="productdetail.php?pid=<?php echo
$r['id'];?>"><div class="today-new-left">
                              <img src="upload/<?php echo $r['image']; ?>"
style="width:400px; height:200px;" class="img-responsive">
                         </div></a>
                    <?php
            }
                    ?>
                         <div class="clearfix"></div>
                    </div>
                    <h3 class="new-models">New Models</h3>
                    <div class="best-seller">
                         <div class="biseller-info">
                         <
                                   <div class="biseller-column">
                                   <img src="images/brio.png" alt="">
                                   </div>
                              <
                                   <div class="biseller-column">
                                   <img src="images/i20.jpg" alt="">
                                   </div>
                              <
                                   <div class="biseller-column">
                                   <img src="images/city.png" alt="">
                                   </div>
```

```
<1i>>
                     <div class="biseller-column">
                     <img src="images/-amaze.jpg" alt="">
                      </div>
                </div>
</div>
<script type="text/javascript">
      $(window).load(function() {
          $("#flexiselDemo3").flexisel({
                visibleItems: 3,
                animationSpeed: 1000,
                autoPlay: true,
                autoPlaySpeed: 3000,
                pauseOnHover: true,
                enableResponsiveBreakpoints: true,
          responsiveBreakpoints: {
                portrait: {
                     changePoint:480,
                     visibleItems: 1
                },
                landscape: {
                     changePoint:640,
                     visibleItems: 2
                },
                tablet: {
                     changePoint:768,
                     visibleItems: 3
                }
       });
     });
 </script>
<h3 class="new-models">Cars</h3>
     <div class="best-seller">
          <div class="biseller-info">
```

```
<div class="biseller-column">
                    <img src="images/brv.jpg" alt="">
                    </div>
               <
                    <div class="biseller-column">
                    <img src="images/creta.jpg" alt="">
                    </div>
               \langle li \rangle
                    <div class="biseller-column">
                    <img src="images/model.png" alt="">
                    </div>
               <div class="biseller-column">
                    <img src="images/swift.png" alt="">
                    </div>
               \langle li \rangle
                    <div class="biseller-column">
                    <img src="images/accord.jpg" alt="">
                    </div>
               </div>
</div>
<script type="text/javascript">
     $(window).load(function() {
          $("#flexiselDemo1").flexisel({
               visibleItems: 3,
               animationSpeed: 1000,
               autoPlay: true,
               autoPlaySpeed: 3000,
               pauseOnHover: true,
               enableResponsiveBreakpoints: true,
          responsiveBreakpoints: {
```

```
portrait: {
                                       changePoint:480,
                                        visibleItems: 1
                                  },
                                  landscape: {
                                        changePoint:640,
                                        visibleItems: 2
                                  },
                                  tablet: {
                                        changePoint:768,
                                        visibleItems: 3
                                  }
                         });
                       });
                   </script>
                   <script type="text/javascript"</pre>
src="js/jquery.flexisel.js"></script>
                 </div>
                 <div class="clearfix"></div>
           </div>
           <!--- fOOTER Starts Here --->
           <?php
     include("common/footer1.php");
     ?>
     <!--- fOOTER Starts Here --->
</body>
</html>
Category:-
<?php
include('common/dbconnect.php');
?>
<html>
<head>
<title>Online Vehicle</title>
<link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
<!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
```

```
<script src="js/jquery-1.11.0.min.js"></script>
<!-- Custom Theme files -->
<link href="css/style.css" rel='stylesheet' type='text/css' />
<!-- Custom Theme files -->
<meta name="viewport" content="width=device-width, initial-scale=1">
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>
<!-- Google Fonts -->
<link href='http://fonts.googleapis.com/css?family=Doppio+One' rel='stylesheet'</pre>
type='text/css'>
link
href='http://fonts.googleapis.com/css?family=Raleway:100,200,300,400,500,600,
700,800,900' rel='stylesheet' type='text/css'>
k href='http://fonts.googleapis.com/css?family=Oswald:400,700'
rel='stylesheet' type='text/css'>
<link rel="stylesheet" href="css/etalage.css">
<script src="js/jquery.etalage.min.js"></script>
<!-- Include the Etalage files -->
<script>
           ¡Query(document).ready(function($){
                 $('#etalage').etalage({
                      thumb_image_width: 400,
                      thumb_image_height: 350,
                      show_hint: true,
                      click_callback: function(image_anchor, instance_id){
                            alert('Callback example:\nYou clicked on an image
with the anchor: "'+image_anchor+"'\n(in Etalage instance: "'+instance_id+"')');
                 });
                // This is for the dropdown list example:
                 $('.dropdownlist').change(function(){
                      etalage_show( $(this).find('option:selected').attr('class') );
                 });
     });
</script>
```

```
<!---//details-product-slider--->
</head>
<body>
<?php
    include("common/header1.php");
<?php
    include("common/sidebar.php");
     ?>
              </div>
              <div class="new-product">
                   <div class="new-product-top">
                        <a
href="index.php">Home</a>&nbsp;<span>&gt;</span>
                             < a
href="cars.php">Products</a>&nbsp;<span>&gt;</span>
                            <span class="act">New
Products</span>&nbsp;
                        <a href="index.php">Back to
Previous</a>
                   <div class="clearfix"></div>
                   </div>
                   <div class="new-topday">
                        <h3 class="new-models">Our Products</h3>
          $sql = "select * from product";
          q = mysql_query(sql);
           while(\$r = mysql_fetch_array(\$q))
                        <a href="productdetail.php?pid=<?php echo
$r['id'];?>"><div class="today-new-left">
                            <img src="upload/<?php echo $r['image']; ?>"
style="width:400px; height:200px;" class="img-responsive">
                        </div></a>
```

## **TESTING:**

Software Testing is the process used to help identify the correctness, completeness, security, and quality of developed computer software. Testing is a process of technical investigation, performed on behalf of stakeholders, that is intended to reveal quality-related information about the product with respect to the context in which it is intended to operate. This includes, but is not limited to, the process of executing a program or application with the intent of finding errors. Quality is not an absolute; it is value to some person. With that in mind, testing can never completely establish the correctness of arbitrary computer software; testing furnishes a criticism or comparison that compares the state and behavior of the product against a specification. An important point is that software testing should be distinguished from the separate discipline of Software Quality Assurance (SQA), which encompasses all business process areas, not just testing.

There are many approaches to software testing, but effective testing of complex products is essentially a process of investigation, not merely a matter of creating and following routine procedure. One definition of testing is "the process of questioning a product in order to evaluate it", where the "questions" are operations the tester attempts to execute with the product, and the product answers with its behavior in reaction to the probing of the tester[citation needed]. Although most of the intellectual processes of testing are nearly identical to that of review or inspection, the word testing is connoted to mean the dynamic analysis of the product—putting the product through its paces. Some of the common quality attributes include capability, reliability, efficiency, portability, maintainability, compatibility and usability. A good test is sometimes described as one which reveals an error; however, more recent thinking suggests that a good test is one which reveals information of interest to someone who matters within the project community.

## **Introduction:**

In general, software engineers distinguish software faults from software failures. In case of a failure, the software does not do what the user expects. A fault is a programming error that may or may not actually manifest as a failure. A fault can also be described as an error in the correctness of the semantic of a computer program. A fault will become a failure if the exact computation conditions are met, one of them being that the faulty portion of computer software executes on the CPU. A fault can also turn into a failure when the software is ported to a different hardware platform or a different compiler, or when the software gets extended. Software testing is the technical investigation of the product under test to provide stakeholders with quality related information.

Software testing may be viewed as a sub-field of Software Quality Assurance but typically exists independently (and there may be no SQA areas in some companies). In SQA, software process specialists and auditors take a broader view on software and its development. They examine and change the software engineering process itself to reduce the amount of faults that end up in the code or deliver faster.

Regardless of the methods used or level of formality involved the desired result of testing is a level of confidence in the software so that the organization is confident that the software has an acceptable defect rate. What constitutes an acceptable defect rate depends on the nature of the software. An arcade video game designed to simulate flying an airplane would presumably have a much higher tolerance for defects than software used to control an actual airliner.

A problem with software testing is that the number of defects in a software product can be very large, and the number of configurations of the product larger still. Bugs that occur infrequently are difficult to find in testing. A rule of thumb is that a system that is expected to function without faults for a certain length of time must have already been tested for at least that length of time. This has severe consequences for projects to write long-lived reliable software.

A common practice of software testing is that it is performed by an independent group of testers after the functionality is developed but before it is shipped to the customer. This practice often results in the testing phase being used as project buffer to compensate for project delays. Another practice is to start software testing at the same moment the project starts and it is a continuous process until the project finishes.

Another common practice is for test suites to be developed during technical support escalation procedures. Such tests are then maintained in regression testing suites to ensure that future updates to the software don't repeat any of the known mistakes.

It is commonly believed that the earlier a defect is found the cheaper it is to fix it.

Unit tests are maintained along with the rest of the software source code and generally integrated into the build process (with inherently interactive tests being relegated to a partially manual build acceptance process).

The software, tools, samples of data input and output, and configurations are all referred to collectively as a test harness.

## **History**

The separation of debugging from testing was initially introduced by Glen ford J. Myers in his 1978 book the "Art of Software Testing". Although his attention was on breakage testing it illustrated the desire of the software engineering community to separate fundamental development activities, such as debugging, from that of verification. Drs. Dave Gelperin and William C. Hetzel classified in 1988 the phases and goals in software testing as follows: until 1956 it was the debugging oriented period, where testing was often associated to debugging: there was no clear difference between testing and debugging. From 1957-1978 there was the demonstration oriented period where debugging and testing was distinguished now - in this period it was shown, that software satisfies the requirements. The time between 1979-1982 is announced as the destruction oriented period, where the goal was to find errors. 1983-1987 is classified as the evaluation oriented period: intention here is that during the software lifecycle a product evaluation is provided and measuring quality. From 1988 on it was seen as prevention

oriented period where tests were to demonstrate that software satisfies its specification, to detect faults and to prevent faults. Dr. Gelperin chaired the IEEE 829-1988 (Test Documentation Standard) with Dr. Hetzel writing the book "The Complete Guide of Software Testing". Both works were pivotal in to today's testing culture and remain a consistent source of reference. Dr. Gelperin and Jerry E. Durant also went on to develop High Impact Inspection Technology that builds upon traditional Inspections but utilizes a test driven additive.

# **Testing Concepts**

## Testing

## Testing Methodologies

- Black box Testing:
- White box Testing.
- Gray Box Testing.

### Levels of Testing

- Unit Testing.
- Module Testing.
- Integration Testing.
- System Testing.
- User Acceptance Testing.

- > Smoke Testing.
- > Sanitary Testing.
- > Regression Testing.
- > Re-Testing.
- > Static Testing.
- > Dynamic Testing.
- > Alpha-Testing.
- > Beta-Testing.
- Monkey Testing.
- > Compatibility Testing.
- > Installation Testing.
- > Adhoc Testing.
- > Ext....

## TCD (Test Case Documentation)

### STLC

- > Test Planning.
- > Test Development.
- > Test Execution.
- > Result Analysis.
- Bug-Tracing.
- > Reporting.
- Microsoft Windows Standards
- Manual Testing
- Automation Testing (Tools)
  - > Win Runner.
  - > Test Director.

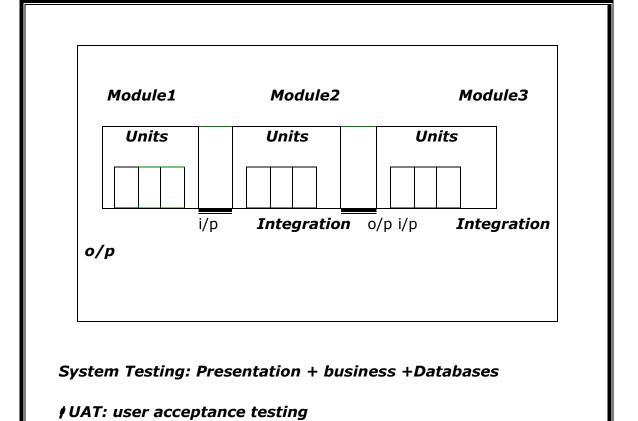
## **Testing:**

- The process of executing a system with the intent of finding an error.
- Testing is defined as the process in which defects are identified, isolated, subjected for rectification and ensured that product is defect free in order to produce the quality product and hence customer satisfaction.
- Quality is defined as justification of the requirements
- Defect is nothing but deviation from the requirements
- Defect is nothing but bug.
- Testing --- The presence of bugs
- Testing can demonstrate the presence of bugs, but not their absence
- Debugging and Testing are not the same thing!
- Testing is a systematic attempt to break a program or the AUT
- Debugging is the art or method of uncovering why the script /program did not execute properly.

## **Testing Methodologies:**

- Black box Testing: is the testing process in which tester can perform testing on an application without having any internal structural knowledge of application.
   Usually Test Engineers are involved in the black box testing.
- White box Testing: is the testing process in which tester can perform testing on an application with having internal structural knowledge.
  - Usually The Developers are involved in white box testing.
- **Gray Box Testing**: is the process in which the combination of black box and white box tonics' are used.

# **Levels of Testing:**



STLC (SOFTWARE TESTING LIFE CYCLE)

**Test Planning:** 

- Test Plan is defined as a strategic document which describes the procedure how to perform various testing on the total application in the most efficient way.
- 2. This document involves the scope of testing
- 3. Objective of testing,
- 4. Areas that need to be tested,
- **5.** Areas that should not be tested,
- 6. Scheduling Resource Planning,
- **7.** Areas to be automated, various testing tools

### **Test Development:**

- 1. Test case Development (check list)
- 2. Test Procedure preparation. (Description of the Test cases).

**Result Analysis**: **1.** Expected value: is nothing but expected behavior Of application.

**2.** Actual value: is nothing but actual behavior of application

**Bug Tracing:** Collect all the failed cases, prepare documents.

**Reporting:** Prepare document (status of the application)

#### Types Of Testing:

- **§ > Smoke Testing**: is the process of initial testing in which tester looks for the availability of all the functionality of the application in order to perform detailed testing on them. (Main check is for available forms)
- **† > Sanity Testing:** is a type of testing that is conducted on an application initially to check for the proper behavior of an application that is to check all the functionality are available before the detailed testing is conducted by on them.
- **Regression Testing:** is one of the best and important testing. Regression testing is the process in which the functionality, which is already tested before, is once again tested whenever some new change is added in order to check whether the existing functionality remains same.
- **† >Re-Testing:** is the process in which testing is performed on some functionality which is already tested before to make sure that the defects are reproducible and to rule out the environments issues if at all any defects are there.
- **† Static Testing:** is the testing, which is performed on an application when it is not been executed.ex: GUI, Document Testing
- **† Dynamic Testing:** is the testing which is performed on an application when it is being executed.ex: Functional testing.
- **† Alpha Testing:** it is a type of user acceptance testing, which is conducted on an application when it is just before released to the customer.
- **Beta-Testing:** it is a type of UAT that is conducted on an application when it is released to the customer, when deployed in to the real time environment and being accessed by the real time users.
- **Monkey Testing:** is the process in which abnormal operations, beyond capacity operations are done on the application to check the stability of it in spite of the users abnormal behavior.

- **Compatibility testing:** it is the testing process in which usually the products are tested on the environments with different combinations of databases (application servers, browsers...etc) In order to check how far the product is compatible with all these environments platform combination.
- **Installation Testing:** it is the process of testing in which the tester try to install or try to deploy the module into the corresponding environment by following the guidelines produced in the deployment document and check whether the installation is successful or not.
- **† Adhoc Testing:** Adhoc Testing is the process of testing in which unlike the formal testing where in test case document is used, with out that test case document testing can be done of an application, to cover that testing of the future which are not covered in that test case document. Also it is intended to perform GUI testing which may involve the cosmotic issues.

#### TCD (Test Case Document:

#### **Test Case Document Contains**

- Test Scope (or) Test objective
- Test Scenario
- Test Procedure
- Test case

This is the sample test case document for the Acadamic details of student project:

#### **Test scope:**

- Test coverage is provided for the screen "Acadamic status entry" form of a student module of university management system application
- Areas of the application to be tested

#### **Test Scenario:**

• When the office personals use this screen for the marks entry, calculate the status details, saving the information on student's basis and quit the form.

#### **Test Procedure:**

The procedure for testing this screen is planned in such a way that the data entry, status
calculation functionality, saving and quitting operations are tested in terms of Gui testing,
Positive testing, Negative testing using the corresponding Gui test cases, Positive test
cases, Negative test cases respectively

#### **Test Cases:**

Template for Test Case

T.C.No	Description	Ехр	Act	Result
1	Enter use name and password	True/false	True	Home page
2	Enter valid date to store in the database	Accurate/Valid data	Valid date	Data stored successfully

#### **Guidelines for Test Cases:**

#### 1. GUI Test Cases:

- Total no of features that need to be check
- Look & Feel
- Look for Default values if at all any (date & Time, if at all any require)
- Look for spell check

#### Example for Gui Test cases:

T.C.No	Description	Expected value	Actual value	Result
	Check for all the	The screen mus		
1	features in the	contain all the		
	screen	features		
	Check for the	The alignmen		
2	alignment of the	should be in		
	objects as per the	proper way		
	validations			

### 2. Positive Test Cases:

- The positive flow of the functionality must be considered
- Valid inputs must be used for testing
- Must have the positive perception to verify whether the requirements are justified.

T.C.No	Description	Expected	Actual value	Result
		value		
1	Check for the date	The date and		
	Time Auto Display	time of the		
		system mus		
		be displayed		
2	Enter the valid Rol	It should		
	no into the studen	accept		
	roll no field			

## 3. Negative Test Cases:

- Must have negative perception.
- Invalid inputs must be used for test.

## **Example for Negative Test cases:**

T.C.No	Description	Expected value	Actual value	Result
1	Try to modify The information in date	Modification should not be allow		
	and time	not be anow		
2	Enter invalid data in to the student details form, click on save	accept invalid data,		

#### **CONCLUSION:**

The system has been developed for the given conditions and is found working effectively. The developed system is flexible and changes, if required, can be made easily. Using the facilities and functionalities of the software has been developed in a neat and simple manner, thereby reducing the operator's work.

The speed and accuracy are maintained in proper way. The user-friendly nature of this software makes it very easy to work with all categories of people from tech-savvy to people with little knowledge of computers. The results obtained were fully satisfactory from the user point of view.

The system was verified and validated in each manner. The system has been developed with an insight into the necessary modifications that may be required in the future. Hence the system can be maintained successfully without much effort.

#### **BENEFITS:**

The project is identified by the merits of the system offered to the user. The merits of this project are as follows: -

- It's a web-enabled project.
- This project offers user to enter the data through simple and interactive forms. This is very helpful for the client to enter the desired information through so much simplicity.
- The user is mainly more concerned about the validity of the data, whatever he is entering. There are checks on every stages of any new creation, data entry or updation so that the user cannot enter the invalid data, which can create problems at later date.
- Sometimes the user finds in the later stages of using project that he needs to update some
  of the information that he entered earlier. There are options for him by which he can
  update the records. Moreover there is restriction for his that he cannot change the primary
  data field. This keeps the validity of the data to longer extent.

#### **LIMITATIONS:**

The size of the database increases day-by-day, increasing the load on the database back up and data maintenance activity.

Training for simple computer operations is necessary for the users working on the system.

## **Future Enhancements**

- ➤ Visitor Registration/ Login module.
- ➤ User may check various car listing with features.
- ➤ User may check the car features and inventory parts.
- ➤ User may select and add products to shopping cart.
- > Credit card payment option for car parts shopping.
- > Test drive booking registration available.
- > Car loan and other car booking facilities available in car buying section.

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