VELS

INSTITUTE OF SCIENCE, TECHNOLOGY
& ADVANCED STUDIES (VISTAS)
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NAAC ACCREDITED WITH 'A' GRADE

SCHOOL OF COMPUTING SCIENCES

DEPARTMENT OF COMPUTER APPLICATIONS

Trident
(AUTOMOTIVE APPLICATION)

A Mini Project

Submitted for the Partial fulfillment for the award of the degree of

BACHELOR OF COMPUTER APPLICATIONS (HONS)

BY

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BONAFIDE CERTIFICATE

This is to certify that the Capstone Project entitled **Trident (AUTOMOTIVE APPLICATION)** is the original record work done by **KIRAN VIGNESH RAJ.J, bearing the register number 19116114.**

Under my guidance and supervision for the partial fulfilment of award of degree of BACHELOR **OF COMPUTER APPLICATIONS (HONS)**, as per syllabus prescribed by the VISTAS.

GUIDE **HEAD OF THE DEPARTMENT**

Submitted for the Viva-Voce examination held on_____

at VISTAS, Pallavaram, Chennai.

INTERNAL EXAMINER **EXTERNAL EXAMINER**

ACKNOWLEDGEMENT

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I wish to extend my deep sense of gratitude and sincere thanks to the HEAD OF THE DEPARTMENT, **Dr.S.PRASANNA** MCA.,M.Phil.,Ph.D.

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I am using this opportunity to express my sincere gratitude to **MR.S.GANESH** and **Ms.SANDHYASRI,NIIT.** I express my thanks to the staff members of the department of Computer Applications for their encouragement and co-operation during the completion of my project work.

It is not only my responsibilities, but a deep wish to express my gratitude to my parents and the ALMIGHTY in making this project a grand success. I wish to remember forever the help rendered by my friends for their constant encouragement during the study.

DECLARATION

I affirm that the mini project work titled **"Trident"** being submitted in the partial fulfillment for the award of Bachelor of Computer Applications (Hons) is the original work carried out by me. It has not formed the part of any project work submitted for award of any degree or diploma, either in this or any other University.

(Signature of the Candidate) KIRAN VIGNESH RAJ.J

ABSTRACT:-

The project “learning application” delivers a modern, interactive, and personalized digital storefront for students. Therefore, all brands that wish to have an online presence are to consider a mobile- friendly design or fully responsive applications. The homepage has minimal content yet provides quick navigation to other essential pages using the sticky menu. In particular, a visitor can easily access the application using the e-book, maps and quiz. The logorepresents the brand so this application ensures that it is clearly visible at the center of the page layout.

A learning application includes different functions and functionality which helps the student to find the best e-book with ease. a student can effortlessly study and alter his or her frame of mind to a highly functional and active, interactive standards. The quiz part provides a fun learning environment where a student can learn from his mistakes and it is the more efficient way to understand high end concepts through simple multiple choice questions, especially when social distancing is still in place. This function allows a user to take full advantage of the growing trend. Since this is a standalone application, once installed in a mobile device there is no requirement for the internet and all the features present in the application can be accessed without the function of internet. The map feature makes it much easier to detect the institutions at ease and provides a easier path of direction to reach the certain institution effectively.

The learning application is designed from a user point of view. The user-friendly design helpsthe user in accomplishing their task with ease. Attempts have been made to keep the design simpleand understandable. The total line of code written for this application is JAVA & XML.

1. OBJECTIVE OF THE LEARNING APPLICATION PROJECT

- This application provides transparency, accuracy, and clarity. Good UI is considered to be of first and foremost importance.
- It has a well-structured application with compelling content and awesome features.
- A student can learn a lot from the e-books section and the data is represented in a simple and easy to read format.
- A Quiz section to make learning more efficient and entertaining.

2. PROBLEM STATEMENT

- **NO SOCIAL INTERACTION**

There is no actual interaction between teachers and students, since it is considered as a self-learning application there is no student to student or teacher to student interaction.

That makes the lack of social interaction between people is considered as a major drawback of this application. Social skills are great for teaching kids important social skills. Apps that teach listening, friendship, and even making eye contact are effective options. When you use apps to teach social skills, you make learning more enjoyable experience.

❖ DESKTOP IMCOMPATIBLE

The application is solely made on android studio which makes it incompatible for bigger and wider screens like desktop. The application is not responsive, which means the contents present in the application cannot adapt to the screen size when it varies but it can change according to few mobile devices and API. Software incompatibility is a characteristic of software components or systems which cannot operate satisfactorily together on the same computer, or on different computers linked by a computer network. They may be components or systems which are intended to operate cooperatively or independently. They may be components or systems which are intended to operate cooperatively or independently.

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❖ FORGETTING THE SHOWCASE BRANDS

Dealers tend to focus on showcasing their manufacturer's brands on their application – especially with a lot of manufacturers being very strict with their application brand guidelines. However, you need to remember to showcase your own brand too.

If a dealership has a brand name, history and local recognition, then that is what will make them stand out from a wide selection of other franchised dealers. As such, sharing content that sets your company apart from the rest is vital.

❖ NOT MENTIONING REASONS AND BENEFITS

A motor trade application needs to make it obvious what the next action is for a visitor – and also, why theyshould take that action.

The reasons and benefits help convince customers, and can come in the format of icons, micro-copy (little pieces of text that help support your page content) and more. For instance, rather than just putting a phone number, why not add a little line of text that says why you'd want to ring, or that reassures the customer with open hours and response times.

3. SYSTEM SPECIFICATION

3.1.HARDWARE REQUIREMENTS

Processor : pentium 2.4 GHz or above

Memory : 256 MB RAM or above

Cache memory : 128 KB or above

Hard disk : 2 GB or above (at least 3 mb free space required)

3.2.SOFTWARE REQUIREMENTS

Operating system : windows 7(professional)

NetBeans IDE : Version 8.2 or Above

JDK : Version 8 OR Above

4. SOFTWARE DESCRIPTION

NetBeans IDE

About NetBeans IDE

NetBeans IDE is a free, open source, integrated development environment (IDE) that enables you to develop desktop, mobile and web applications. The IDE supports application development in various languages, including Java, HTML5, PHP and C++. The IDE provides integrated support for the complete development cycle, from project creation through debugging, profiling and deployment. The IDE runs on Windows, Linux, Mac OS X, and other UNIX-based systems.

4.1 FRONT END

Front End Tools : HTML , CSS ,BOOTSTRAP & JAVASCRIPT

HTML:

HyperText Markup Language is the computer language that facilitates application creation. The language, which has code words and syntax just like any other language, is relatively easy to comprehend and, as time goes on, increasingly powerful in what it allows someone to create. HTML continues to evolve to meet the demands and requirements of the Internet under the guise of the World Wide Web Consortium, the organization that designs and maintains the language; for instance, with the transition to Web 2.0

CSS :

Cascading Style Sheets (**CSS**) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML.CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts.

This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file which reduces complexity and repetition in the structural content as well as enabling the .css file to be cached to improve the page load speed between the pages that share the file and its formatting.

BOOTSTRAP :

Bootstrap is an HTML, CSS & JS Library that focuses on simplifying the development of informative web pages Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

JAVASCRIPT :

JavaScript is a text-based programming language used both on the client-side and server side that allows you to make web pages interactive. Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web.Over 97% of applications use it client-side for web page behavior,often incorporating third-party libraries.Most web browsers have a dedicated JavaScript engine to execute the code on the user's device.

4.2 BACK END

Back End Tools:

JAVA, SERVLET & DERBY OR MY SQL DATABASE

JAVA:

One of the most widely used programming languages, Java is used as the server-side language for most back-end development projects, including those involving big data and Android development

SERVLET:

A servlet is a small Java program that runs within a Web server. Servlets receive and respond

to requests from Web clients, usually across HTTP, the Hypertext Transfer Protocol

DERBY DATABASE :

Apache Derby (previously distributed as IBM Cloudscape) is a relational database management system (RDBMS) developed by the Apache Software Foundation that can be embedded in Java programs and used for online transaction processing.

MY SQL

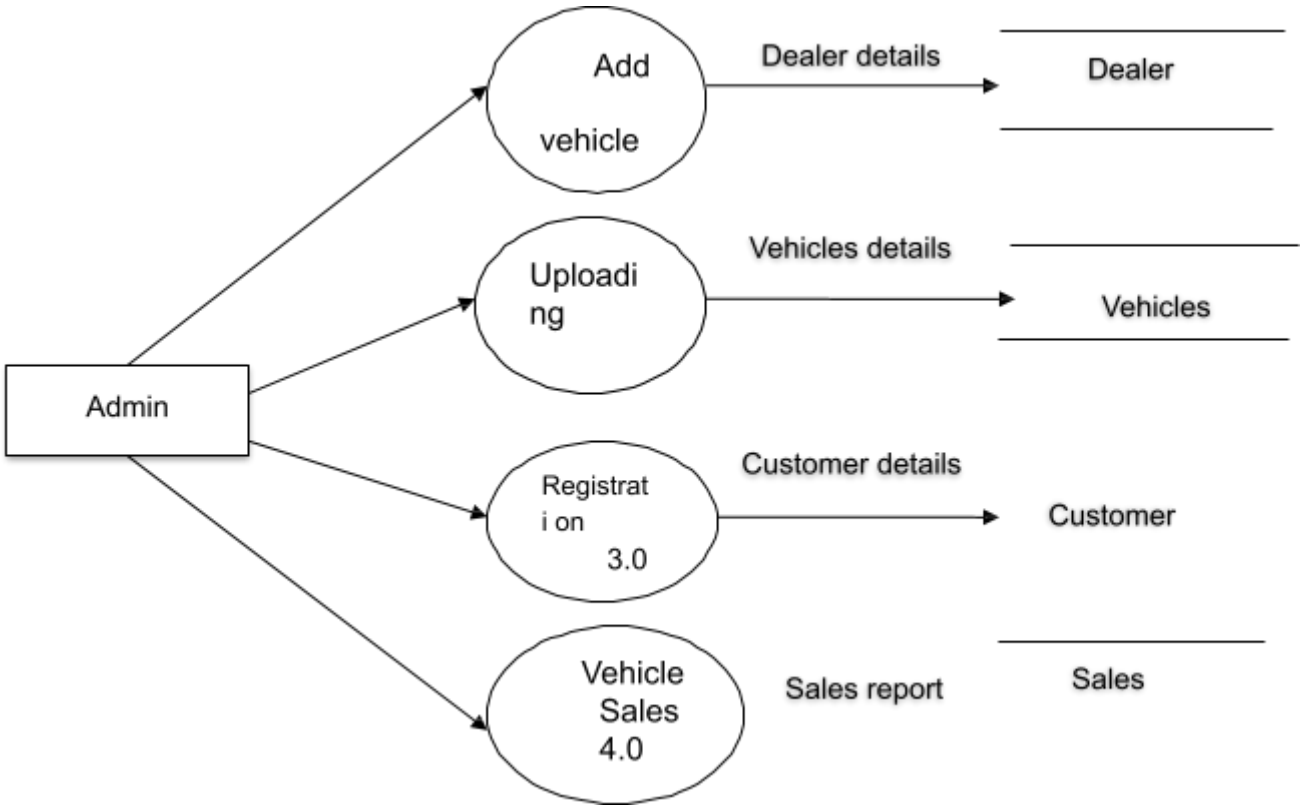
MySQL is a relational database management system based on SQL – Structured Query Language. The application is used for a wide range of purposes, including data warehousing, e-commerce, and logging applications.

MySQL is one of the most recognizable technologies in the modern big data ecosystem. Often called the most popular database and currently enjoying widespread, effective use regardless of industry, it's clear that anyone involved with enterprise data or general IT should at least aim for a basic familiarity of MySQL.

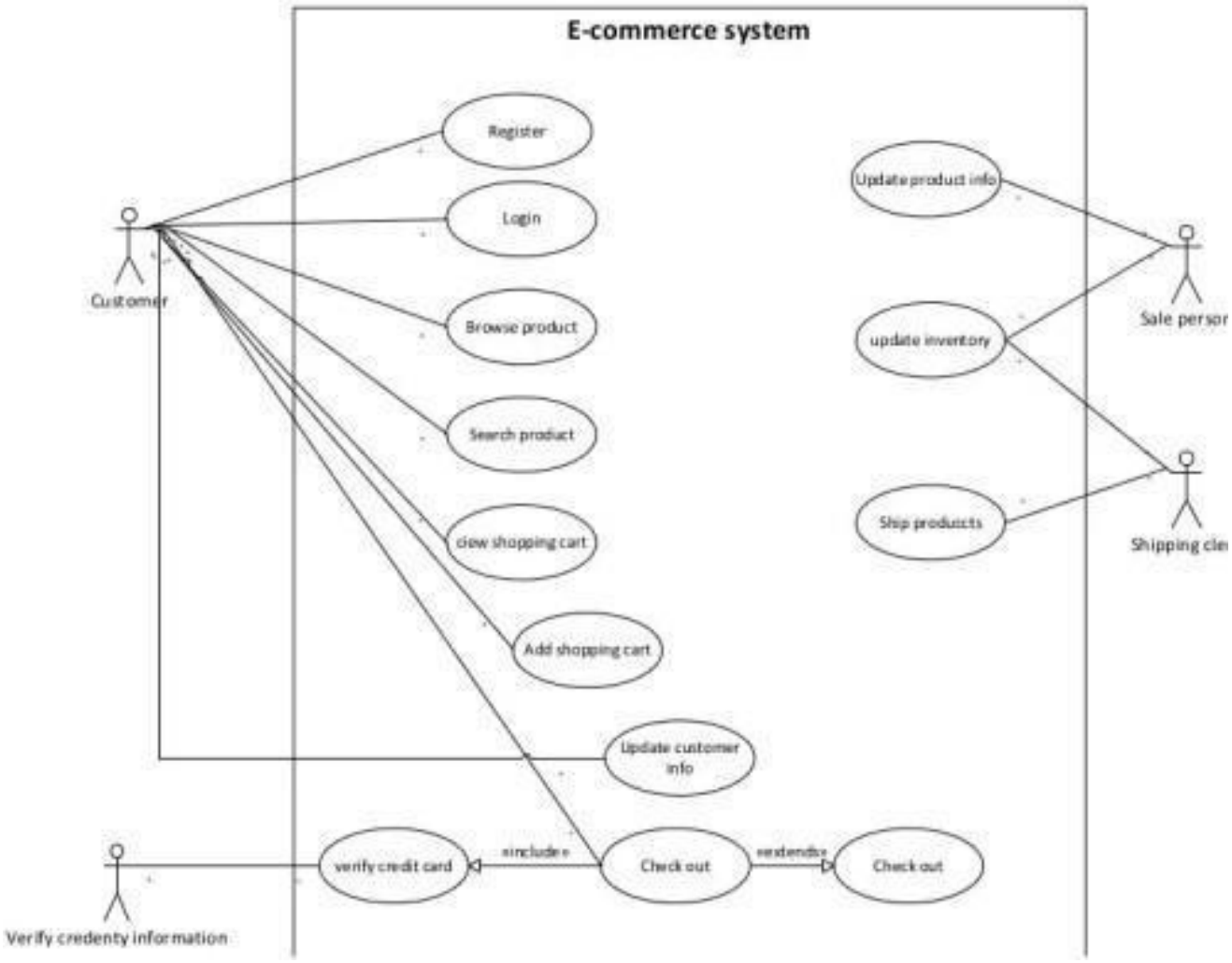
With MySQL, even those new to relational systems can immediately build fast, powerful, and secure data storage systems. MySQL's programmatic syntax and interfaces are also perfect gateways into the wide world of other popular query languages and structured data storesMySQL is a relational database management system (RDBMS) developed by Oracle that is based on structured query language (SQL).

5 .PROJECT DESIGN

5.1 DATA FLOW DIAGRAM



5.2 UML DIAGRAM



6. SYSTEM REQUIREMENT ANALYSIS

Technical Feasibility –

In Technical Feasibility current resources both hardware software along with required technology are analysed/assessed to develop the project. This technical feasibility study reports whether there exists correct required resources and technologies which will be used for project development. Along with this, the feasibility study also analyses technical skills and capabilities of the technical team, whether existing technology can be used or not, maintenance and up-gradation is easy or not for chosen technology etc.

Operational Feasibility –

In Operational Feasibility the degree of providing service to requirements is analyzed along with how easy the product will be to operate and maintain after deployment. Along with this other operational scopes are determining usability of product, Determining suggested solution by software development team is acceptable or not etc.

Economic Feasibility –

In the Economic Feasibility study the cost and benefit of the project is analyzed. Means under this feasibility study a detailed analysis is carried out of what will be the cost of the project for development which includes all required cost for final development like hardware and software resource required, design and development cost and operational cost and so on. After that it is analyzed whether the project will be beneficial in terms of finance for the organization or not.

Legal Feasibility –

The Legal Feasibility study project is analyzed from a legality point of view. This includes analyzing barriers of legal implementation of project, data protection acts or social media laws, project certificate, license, copyright etc. Overall it can be said that a Legal Feasibility Study is to know if proposed projects conform to legal and ethical requirements.

Schedule Feasibility –

In Schedule Feasibility Study mainly timelines/deadlines is analyzed for proposed project which includes how many times teams will take to complete final project which has a great impact on the organization as purpose of project may fail if it can't be completed on time

7. SYSTEM TESTING

System Testing is an important stage in any system development life cycle. Testing is a process of executing a program with the intention of finding errors. The importance of software testing and its implications with respect to software quality cannot be over Emphasized. Software testing is a critical element of software quality assurance and represents the ultimate review of specification, design and coding. A good test case is one that has a high probability of finding a yet undiscovered error.

Testing is the set of activities that can be planned in advance and conducted systematically. Different test conditions should be thoroughly checked and the bugs detected should be fixed. The testing strategies formed by the user are performed to prove that the software is free and clear from errors. To do this, there are many ways of testing the system's reliability, completeness and maintainability.

7.1. LEVELS OF TESTING:

The different types of testing are as follows:

Unit Testing:

- In the unit testing the analyst tests the program making up a system. The software units in a system are the modules and routines that are assembled and integrated to perform a specific function. In a large system, many modules on different levels are needed.

- Unit testing can be performed from the bottom up starting with the smallest and lowest level modules and proceeding one at time. For each module in a bottom-up testing, a short program executes the module and provides the needed data.

Integration Testing:

Integration testing is a systematic technique for constructing the program structure while conducting tests to uncover errors associated with interfacing. Objectives are used to take unit test modules and build program structure that has been directed by design. The integration testing is performed for this Hospital Management System when all the modules were to make it a complete system. After integration the project works successfully.

Black Box Testing:

This method treats the coded module as a black box. The module runs with inputs that are likely to cause errors. Then the output is checked to see if any error occurred. This method cannot be used to test all errors, because some errors may depend on the code or algorithm used to implement the module.

White Box Testing

White box testing, sometimes called glass-box testing, is a test case design method that uses the control structure of the procedural design to derive test cases. Using white box testing methods, the software engineer can derive test cases that

Guarantee that all independent paths within a module have been exercised at least once.
Exercise all logical decisions on their true and false side

- Execute all loops at their boundaries and within their operational bounds ·

Exercise internal data structure to assure their validity.

For example in this project white box testing is performed in the patient module. Without entering text if we apply it displays the message “First add record then save it” else it should be saved

Verification testing

Testing the system with the intent of confirming readiness of the product and customer acceptance.

Test	Test Area	Verification Result
Verification testing	Interaction of users with the system	The user should be able to use the system with ease.

Validation testing

Validation testing can be defined in many ways, but a simple definition is that can be reasonably expected by the customer. After the validation test has been conducted, one of two possible conditions exists.

· The functions or performance characteristics confirm to specification and are accepted. · A deviation from specification is uncovered and a deficiency list is created.

- Proposed system under consideration has been tested by using validation testing and found to be working satisfactorily.

For example, in this project validation testing is performed against inpatient search module. This module is tested with the following valid and invalid inputs for the field patient name.

User Acceptance Testing

Test	Test area	Expected results
Module testing	Adding new record	System should be able to add new records to the database
	Delete records	The system should be able to delete unwanted records
	Update records	The system should update records and save changes made.
	Search records	The system should be able to retrieve relevant records required by the user.

7.2. Why System Testing?

Testing is vital to the success of the system. System testing makes a logical assumption that if all the parts of the system are correct, the goal will be successfully achieved. Inadequate testing results in three types of problems:

1. The time lag between the cause and the appearance of the problem. 2. The effect of system errors on the files and records within the system. 3. Another reason for system testing is its utility as a user-oriented vehicle before implementation.

Activity Network for System Testing

1. Prepare a test plan.

2. Specify conditions for user acceptance testing.

3. Prepare test data for program testing.

4. Prepare test data for transaction path testing.

5. Plan user training.

6. Compile/assemble programs.

7. Prepare job performance aids.

8. Prepare operational documents.

Prepare Test

A workable test plan must be prepared in accordance with established design specifications. It includes the following items:

• Outputs expected from the system.

• Criteria for evaluating outputs.

• Procedure for using test data.

• Personnel and training requirements.

Specify Conditions for User Acceptance Testing

Planning for user acceptance testing calls for the analyst and the user to agree on conditions for the test.

Prepare Test Data for Program Testing

As each program is coded, test data are prepared and documented to ensure that all aspects of the program are properly tested.

Prepare Test Data for Transaction Path Testing

This activity develops the data required for testing every condition and transactions to be introduced into the system. The path of each transaction from origin to destination is carefully tested reliable results.

8. SYSTEM IMPLEMENTATION

Implementation of a new computer system to replace an existing one. This is usually difficult conversion. If not properly planned, there can be many problems. So large computer systems may take as long as a year to convert.

Implementation of a modified application to replace the existing one using the same computer. This type of conversion is relatively easy to handle, usually there are no major changes in the file.

The process of implementing software is much more difficult as compared to the task of creating the project. First we have to implement the software on a small scale for removing the bugs and other errors in the project and after removing them we can implement the software on a large scale. Before we think in terms of implementing the Software on a large basis, we must consider the Hardware requirements.

8.1.HARDWARE EVALUATION FACTORS:

When we evaluate computer hardware, we should first investigate specific physical and performance characteristics for each hardware component to be acquired. These specific questions must be answered concerning many important factors. These hardware evaluation factors questions are summarized in the below figure.

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HARDWARE EVALUATION FACTORS:

- Performance
- Cost
- Reliability
- Availability
- Compatibility
- Modularity
- Technology
- Ergonomics
- Connectivity
- Environmental requirements
- Software
- Support

8.2. SYSTEM MAINTENANCE

Security

Every member of staff of the hospital requires a username and password to log on to the system. The administrator of this system registers each member staff allotting username and password to each and he/she can also revoke access if it is deemed fit for any reason. The data of data-base are protected through multiple layers of security which includes but not limited to pass-words which are encrypted (should the hospital decide to take the software online with net-working available but since this is a stand-alone software, the password is not

encrypted) but each member is required to protect their password and change on the first logging when created by the administrator.

Performance requirement

For any software developed in this modern time, one of the most important things to do regularly is to update and upgrade and fix whatever bugs are found. The following are the list of maintenance required for this software: · Database archiving

- Password encryption
- Anti-virus protection.
- Password update every 72 days

8.3. Error handling

The system also has error and debugging code within the software to prevent system collapse and krypton 2 professional encryption programs are embedded within the software security layer to prevent hacking it when installed over an internet network. Also, within the code itself, SQL inject susceptible characters had been cleaned up.

Installation

After developing and testing the software, the next thing is to deploy the software and run it. For the purpose of this thesis, the installation and deployment of the software will be done from a compact disc (CD) from which the software has been copied to and will be run on a window platform.

9 .APPENDIX

Code Efficiency:

Reviewing of Code efficiency for a module is carried out after the module is successfully compiled and all the syntax errors eliminated. Code efficiency review is an extremely cost-effective strategy for reduction in coding errors in order to produce high quality code. Normally, two types of efficiency are carried out on the code of a module - code optimization and code inspection. The procedure and final objective of these two efficiency techniques are very different as discussed below.

Optimization of Code:

Code optimization is an informal code analysis technique. In this technique, after a module has been coded, it is successfully compiled and all syntax errors are eliminated. Some members of the development team are given the code a few days before the optimization meeting to read and understand the code. Each member selects some test cases and simulates execution of the code by hand (i.e. trace execution through each statement and function execution). The main objectives of the optimization are to discover the algorithmic and logical errors in the code. The members note down their findings to discuss these in an optimization meeting where the coder of the module is also present.

9.1. CODING:

INDEX.HTML

```
<!DOCTYPE html>
<html>
  <head>
    <title>T R I D E N T</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="icon"
href="https://lh3.googleusercontent.com/-yCe34y0i1tg/YPlH4gF-
m3I/AAAAAAAAAAY/vUbvSd_ESVsKUVCNLfVt0x7JO1LnGad1QCMICGAYYCw/s83-
c/faviconmk3.png" type="image/gif">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="stylesign.css">
    <link rel="stylesheet" href="styleshow.css">
    <link rel="stylesheet" href="styledrop.css">
    <link rel="stylesheet" href="stylesearch.css">
    <link rel="stylesheet" href="stylegrid.css">
    <link rel="stylesheet" href="coolcb.css">
    <link rel="stylesheet" href="stylefoot.css">
    <link rel="stylesheet" href="https://unpkg.com/aos@next/dist/aos.css" />
    <link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
```

</head>

```
      <body style="background-color:black;">

       <div class="navbar">
 <a href="index.html"><i class="fa fa-fw fa-home"></i></a>
 <a href="mclaren.html" style="word-spacing: 2px; letter-spacing: 4px;">New Cars</a>
 <div class="dropdown">
  <button class="dropbtn" style="word-spacing: 2px; letter-spacing: 4px;">All Cars
   <i class="fa fa-caret-down"></i>
  </button>
  <div class="dropdown-content">
   <a href="ftype.html" style="word-spacing: 2px; letter-spacing: 3px;">Jaguar F-Type</a>
   <a href="xf.html" style="word-spacing: 2px; letter-spacing: 3px;">Jaguar XF</a>
   <a href="p1.html" style="word-spacing: 2px; letter-spacing: 3px;">McLaren P1</a>
  </div>
 </div>
 <div class="dropdown">
  <button class="dropbtn" style="word-spacing: 2px; letter-spacing: 4px;">Explore
   <i class="fa fa-caret-down"></i>
  </button>
  <div class="dropdown-content">
     <a href="coupe.html" style="word-spacing: 2px; letter-spacing: 3px;">Compare Cars</a>
   <a href="#" style="word-spacing: 2px; letter-spacing: 3px;">News & More</a>
  </div>
 </div>
  <div class="topnav-right">

   <a href="aboutus.html" style="word-spacing: 2px; letter-spacing: 4px;"><i class="fa fa-fw fa-
user"></i> About us</a>
 </div>
```

```
</div>


        <div class="w3-animate-right">
      <p align="right">
       <button
onclick="document.getElementById('id01').style.display='block'" style="width:auto;">Sign In
/ Sign Up</button>
       </p>
         </div>




<script>
// Get the modal
var modal = document.getElementById('id01');

// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
  if (event.target == modal) {
    modal.style.display =
    "none";
  }
}
</script>
```

** **

```
<div class="slideshow-container">
<div class="slides">
<div class="mySlides fade">
 <img src="https://www.autoguide.com/blog/wp-content/uploads/2021/06/2022-Hyundai-Elantra-N-Teasers-02.jpg" style="width:100%">
 <div class="text">Introducing the first-ever</div>
 <div class="text2">  ELANTRA N-Line</div>
 <div class="text4">Exclusively on Trident</div>
</div>

<div class="mySlides fade">
 <img src="https://cdn.motor1.com/images/mgl/MpAJE/s1/2021-hyundai-elantra-n-line.jpg" style="width:100%">
 <div class="text">Experience world class Luxury with</div>
 <div class="text2">  subtle comfort </div>
 <div class="text4">and perfect handling</div>
</div>

<div class="mySlides fade">
 <img src="https://cdntdreditorials2.azureedge.net/cache/7/a/3/4/a/0/7a34a086cff73e77169c7375feac3d  6cfd176158.jpg" style="width:100%">
 <div class="text">Visit the nearby Trident Garage and</div>
 <div class="text2"> Book your ELANTRA N-Line now</div>
</div>

<div class="mySlides fade">
```

<img src="https://cdn.motor1.com/images/mgl/A9kVP/s1/2022-hyundai-elantra-n-exterior-

```
view.jpg" style="width:100%">
  <div class="text3">Trident: Accelerate ahead</div>
</div>

<div class="mySlides fade">
  <img
src="https://cdn.motor1.com/images/mgl/bpvmj/s1/2021-hyundai-elantra-n-line.jpg"
style="width:100%">
</div>
</div>




</div>
<br>


<script>
var slideIndex = 1;
showSlides(slideIndex);

function plusSlides(n) {
  showSlides(slideIndex +=
  n);
}

function currentSlide(n) {
  showSlides(slideIndex = n);
}
```

function showSlides(n) {

```
  var i;
  var slides = document.getElementsByClassName("mySlides fade");
  var dots = document.getElementsByClassName("dot");
  if (n > slides.length) {slideIndex = 1}
  if (n < 1) {slideIndex = slides.length}
  for (i = 0; i < slides.length; i++) {
     slides[i].style.display = "none";
  }
  for (i = 0; i < dots.length; i++) {
     dots[i].className = dots[i].className.replace(" active", "");
  }
  slides[slideIndex-1].style.display =
  "block"; dots[slideIndex-1].className +=
  " active";
}
</script>
<script>
var myIndex = 0;
carousel();

function carousel() {
  var i;
  var x = document.getElementsByClassName("mySlides");
  for (i = 0; i < x.length; i++) {
    x[i].style.display = "none";
  }
  myIndex++;
  if (myIndex > x.length) {myIndex = 1}
  x[myIndex-1].style.display = "block";
  setTimeout(carousel, 9000); // Change image every 9 seconds
```

}

```
</script>

    <br><br><br><h1 style = "color:whitesmoke; text-align: center;">Prototype mk18</h1>
    <br><br><br><br><br><br><br><br><br><br><br><br><br>

    <div data-aos="zoom-in" data-aos-duration="2000" data-aos-delay="50">
    <h1 style = "color:whitesmoke; word-spacing: 6px; letter-spacing: 9px; text-align: center;">LET'S FIND YOUR DREAM CAR </h1>
    </div>


  <i class="fa fa-handshake-o" style="font-size:90px; color:white; left: 160px; position: relative; top: 300px"></i>
  <i class="fa fa-car" style="font-size:90px; color:white; left: 340px; position: relative; top: 300px"></i>
  <i class="fa fa-bar-chart" style="font-size:90px; color:white; left: 520px; position: relative; top: 300px"></i>
  <i class="fa fa-tint" style="font-size:90px; color:white; left: 700px; position: relative; top: 300px"></i>
  <i class="fa fa-audio-description" style="font-size:90px; color:white; left: 880px; position: relative; top: 300px"></i>
  <h3 style = "color:white; word-spacing: 3px; letter-spacing: 6px; left: 155px; position: absolute; top: 1130px">QUALITY</h3>
  <h3 style = "color:white; word-spacing: 3px; letter-spacing: 6px; left: 400px; position: absolute; top: 1130px">PERFORMANCE</h3>
  <h3 style = "color:white; word-spacing: 3px; letter-spacing: 6px; left: 730px; position: absolute;
```

top: 1130px">TOP-END</h3>

<h3 style = "color:white; word-spacing: 3px; letter-spacing: 6px; left: 970px; position: absolute; top: 1130px">EFFICIENCY</h3>

<h3 style = "color:white; word-spacing: 3px; letter-spacing: 6px; left: 1230px; position: absolute; top: 1130px">CUSTOMIZE</h3>

<h1 style = "color:white; word-spacing: 3px; letter-spacing: 6px; left: 330px; font-size: 50px; position: absolute; top: 1430px">Trident's Featured Auto-Motors</h1>

choose your auto-mobile

<img src="_jcr_content/logo.img.jpg/1515152760829.jpg" style="height: 155px; width: 100%" >

** **

```
  </div>
  </div>

 <div data-aos="fade-up" data-aos-duration="2000" data-aos-delay="50">
 <div class="marrite23">
  <div class="w3-row-padding">
  <div class="w3-col s4"><a href="#"><img
src="
q7AAAAzFBMVEX///8AS40AP4eqsbVKTVA+1F61nKTenus/doyHyxU/yfEQevXq1atXr169evX
q1atXr169evXq1atXr169evXq9Sz6P6+VplPZ/MibAAAAAElFTkSuQmCC" style="height:
155px; width: 100%"></a></div>
  <div class="w3-col s4"><a href="#"><img
src="
9AAAAxlBMVEX///8AAB4AAAAAAB8AABz///3+/v8AABO/vsMBACG2ur5eXmQAABoAAC
MAABB0dXj3/Pvx8/AAABcAABEAAAYAAAz///rExcry8vMABRq4uL+ysrdUVF26vrvWFEFj
Fi6/YEa2+Clo+ExwNWx4YOEVa1Mv8lGiMd4pKyEJpAWkpXHSzaLpg4Dg7+D+lQ3tKHkfdi
wAAAABJRU5ErkJggg==" style="height: 155px; width: 100%"></a></div>
 </div>
 </div>
 </div>

    <div data-aos="fade-up" data-aos-duration="2000" data-aos-delay="50">

 <div class="marrite23">
  <div class="w3-row-padding">
  <div class="w3-col s4"><a
href="#"><img
src="
EhAQFhERFRMYEBAVFxAZFRYQFhUWFhUZBERARAREQEREBERARAREQEREBERARAREQ
EREBERARAREQEREBERARAREQEREBERARAREQEREBERARAREQEREBERARAREQEREBERAR
```

EQEREBERAREQEREBERAREQEREBERAREQEREH/9k=" style="height: 155px; width:

```
100%"></a></div>
   <div class="w3-col s4"><a href="#"><img
src="https://cf.ltkcdn.net/cars/images/orig/203392- 2122x1412-ford-logo_new.jpg"
style="width:100%"></a></div>
   <div          class="w3-col          s4"><a          href="#"><img
src="https://encrypted- tbn0.gstatic.com/images?q=tbn:ANd9GcT-QoJtdekjfdkuj9F2XgPyN-
VcmZ2WsoEXFg&usqp=CAU" style="height: 155px; width: 100%"></a></div>
   </div>
 </div>
    </div>
<br>
<br>
<br>
<br>
<br>
<br>

  <div data-aos="fade-up" data-aos-duration="2000" data-aos-delay="50">
<img src="images\enquire.jpg" style="left: 0px; position: relative; width: 100%; padding: 0px;
margin: 0px;">
  </div>
<br><br>
<br> <div data-aos="fade-up" data-aos-duration="2000" data-aos-delay="150"><h1 style =
"color:whitesmoke; word-spacing: 6px; letter-spacing: 9px; text-align: center">FEATURING
McLaren SENNA</h1> <br>
   <br><br></div>
<div data-aos="fade-up" data-aos-duration="2000" data-aos-delay="200">
<img src="images\senna.jpg" style="left: 0px; position: relative; width: 100%; padding: 0px;
margin: 0px;">
</div>
```

```
<div data-aos="fade-left" data-aos-duration="1000" data-aos-delay="50">
<a href="coupe.html"><img src="images\cb1.jpg" style="left: 0px; position: relative; width: 25%;"></a>
<img src="images\cb2.jpg" style="left: 0px; position: relative; width: 25%; height: 222px;">
<img src="images\cb3.jpg" style="left: 0px; position: relative; width: 25%; height: 222px;">
<a href="book.html"><img src="images\cb4.jpg" style="right: 0px; position: absolute; width: 24%; height: 222px;"></a>
</div>
  <!-- Site footer -->
    <footer class="site-footer">
      <div class="container">


          <h6>Why prefer us over the rest?</h6>
          <p>Trident <i>Accelerate Ahead</i> is an initiative to help the clients seeking for the right car to buy their car for a fair price, the company was established with a sole purpose to bring outan exquisite experience for the client to find the dream car and pursue on purchasing it. </p>



          <h6>Trident's Featured Brands of the Year</h6>
          <ul class="footer-links">
            <li><a href="mclaren.html" style="text-decoration: none">McLaren</a></li>
            <li><a href="jaguar.html" style="text-decoration: none">Jaguar</a></li>

          </ul>
```

```
    <h6>Quick Links</h6>
    <ul class="footer-links">
      <li><a href="home.html" style="text-decoration: none">Home</a></li>
      <li><a href="aboutus.html" style="text-decoration: none">About Us</a></li>
      <li><a href="coupe.html" style="text-decoration: none">Compare Cars</a></li>

    </ul>

  </div>
  <hr>

<div class="container">


    <p class="copyright-text">Copyright &copy; 2021 All Rights Reserved by
       <a href="index.html">Trident</a>.
    </p>



    <ul class="social-icons">
      <li><a class="facebook" href="#"><i class="fa fa-facebook"></i></a></li>
      <li><a class="twitter" href="#"><i class="fa fa-twitter"></i></a></li>
      <li><a class="dribbble" href="#"><i class="fa fa-instagram"></i></a></li>
      <li><a class="linkedin" href="#"><i class="fa fa-linkedin"></i></a></li>
    </ul>


</div>
```

```
</footer>

  <script src="https://unpkg.com/aos@next/dist/aos.js"></script>
 <script>
   AOS.init()
   ;
 </script>
   </body>
</html>
```

REGISTER.JAVA

```
<form action="REE" method="Post" class="modal-content">
    <div class="container">
    <h1>Create a new account on Trident</h1>
    <p>Please fill all the boxes given right below.</p>
    <hr>
    <label for="userName"><b>Username</b></label>
    <input type="text" placeholder="Enter Username..." name="userName" required>

    <label for="userEmail"><b>Email</b></label>
    <input type="text" placeholder="Enter Email..." name="userEmail" required>

    <label for="userPass"><b>Password</b></label>
    <input type="password" placeholder="Enter Password..." name="userPass" required>

    <label for="psw-repeat"><b>Repeat Password</b></label>
    <input type="password" placeholder="Repeat Password..." name="psw-repeat" required>
```

```
    <label for="userCountry"><b>Country</b></label>
    <select name="userCountry" required>
      <option>India</option>
      <option>United States</option>
      <option>Canada</option>
      <option>United Kingdom</option>
      <option>France</option>
      <option>Germany</option>
      <option>Australia</option>
    </select>

    <label>
     <input type="checkbox" checked="checked" name="remember" style="margin-bottom:15px"> Remember me
    </label>

    <p>By creating an account you agree to our <a href="#" style="color:dodgerblue">Terms & Privacy</a>.</p>

    <div class="clearfix">
      <p align="center">
        <button type="submit" class="signupbtn" style="text-align: center; letter-spacing: 2px">REGISTER</button>
      </p>
    </div>
  </div>
 </form>
</div>
```

LOGIN.JAVA

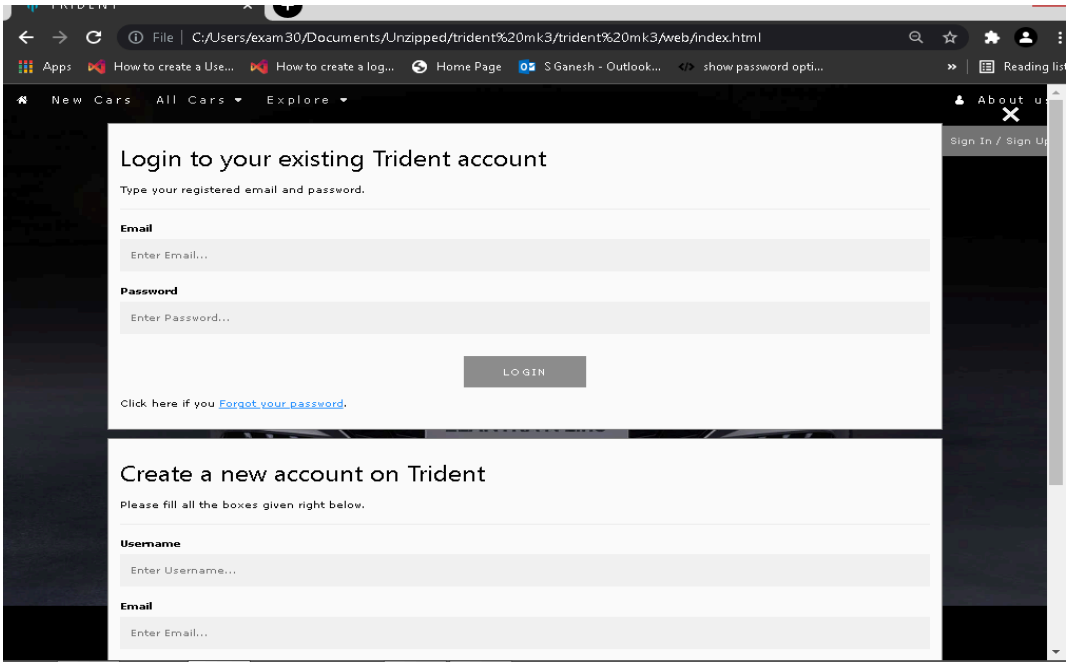
```
<div id="id01" class="modal">
  <span        onclick="document.getElementById('id01').style.display='none'"
class="close" title="Close Modal">&times;</span>
  <form action="LOG" method="Post" class="modal-content">
  <div class="container">
     <h1>Login to your existing Trident account</h1>
     <p>Type your registered email and password.</p>
     <hr>
     <label for="userEmail"><b>Email</b></label>
     <input type="text" placeholder="Enter Email..." name="userEmail" required>
     <label for="userPass"><b>Password</b></label>
     <input type="password" placeholder="Enter Password..." name="userPass" required>
     <div class="clearfix">
       <p align="center">
          <button type="submit" class="signupbtn" style="text-align: center; letter-spacing:
2px">LOGIN</button>
       </p>
       <p>Click here if you <a href="#" style="color:dodgerblue">Forgot your
password</a>.</p>

     </div>
  </div>
  </form>
```

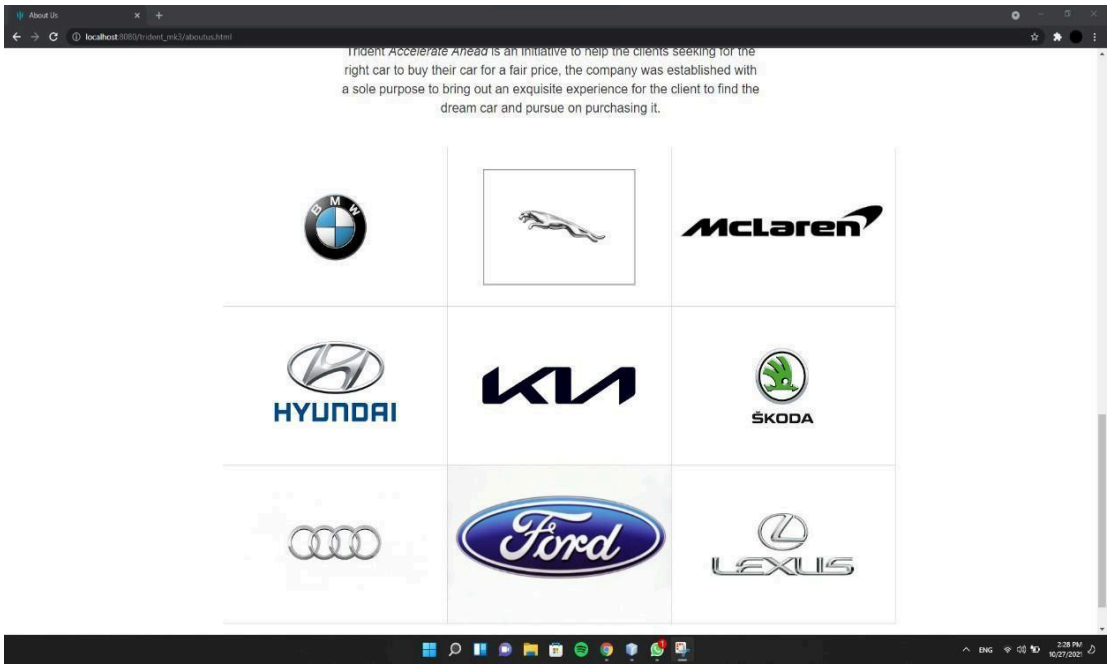
Screenshots:

Home page

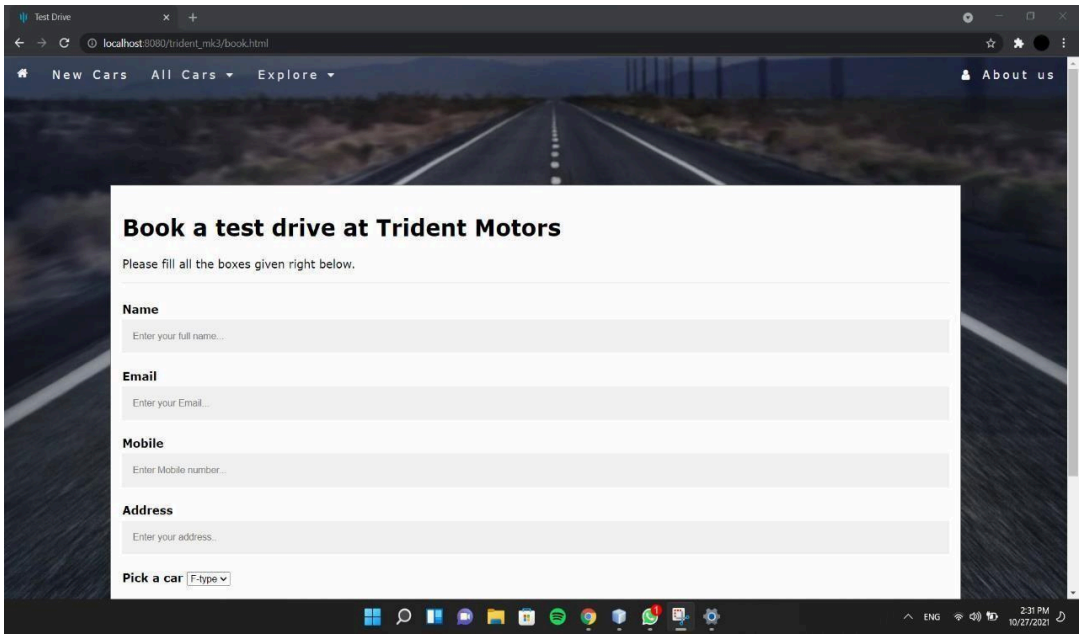
Login page:



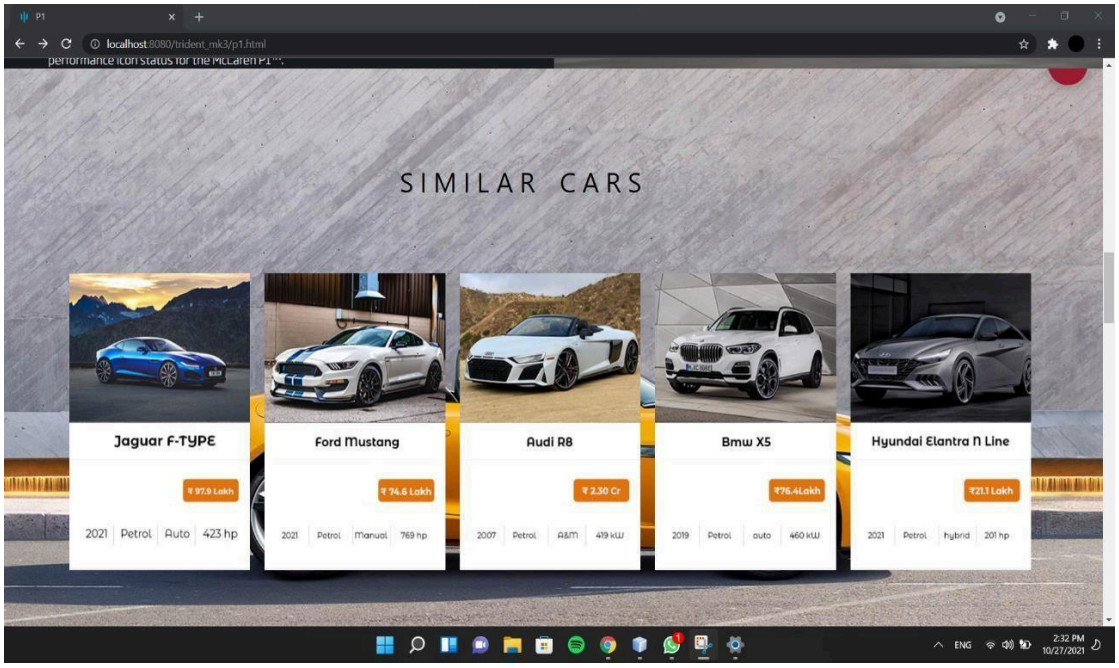
Featured companies:



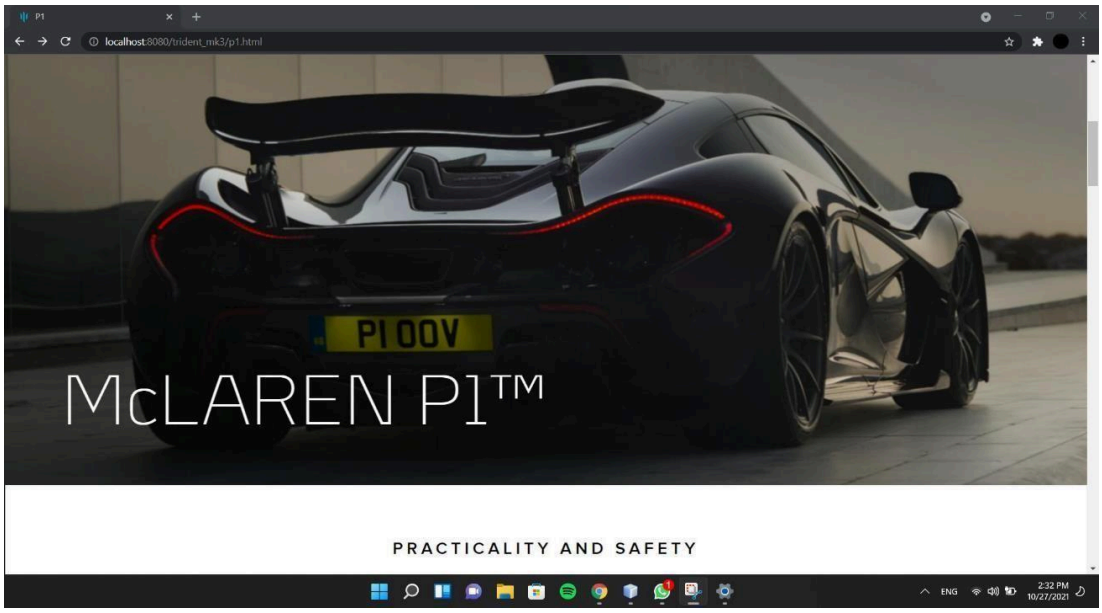
Booking page:



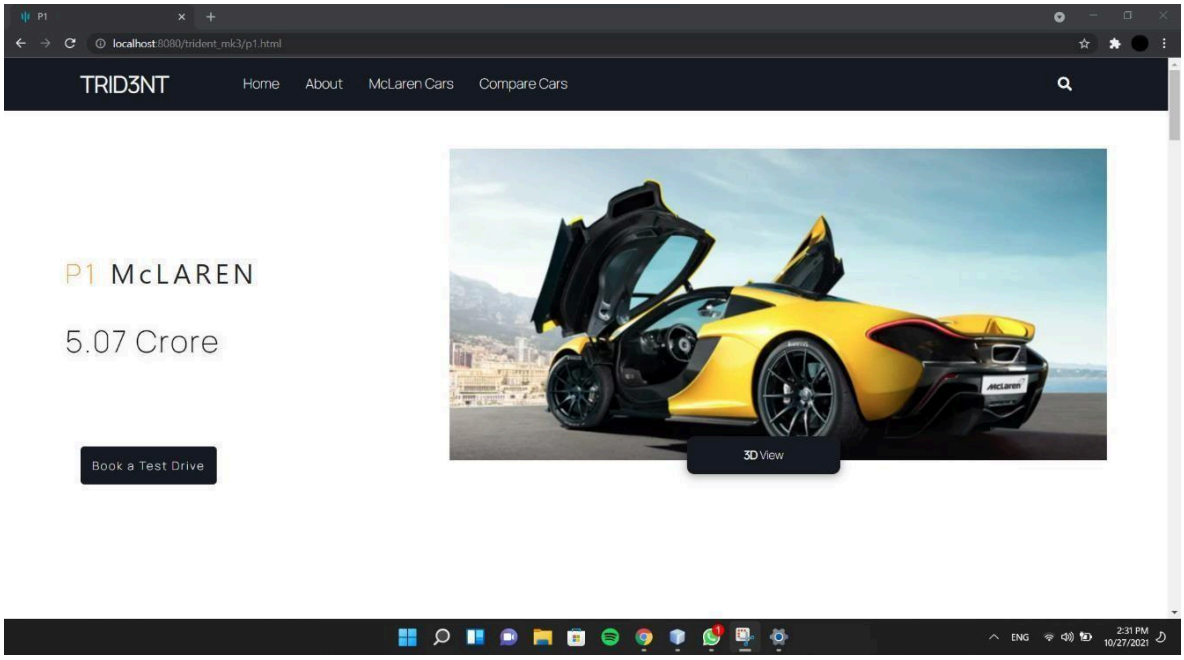
Compare cars:



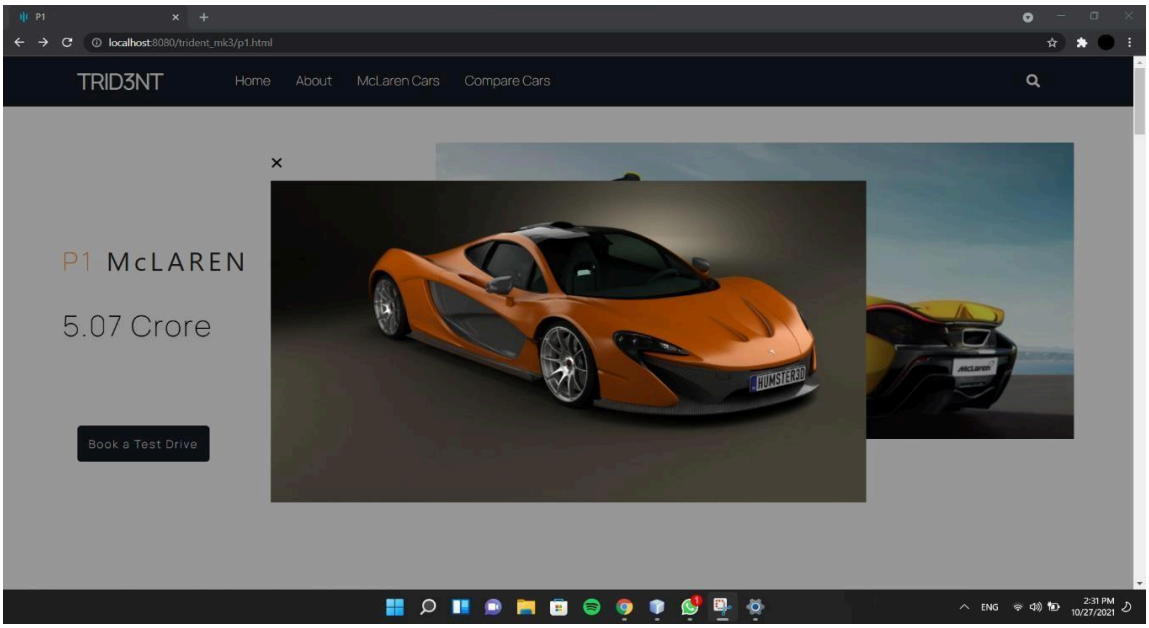
Car page pt1:



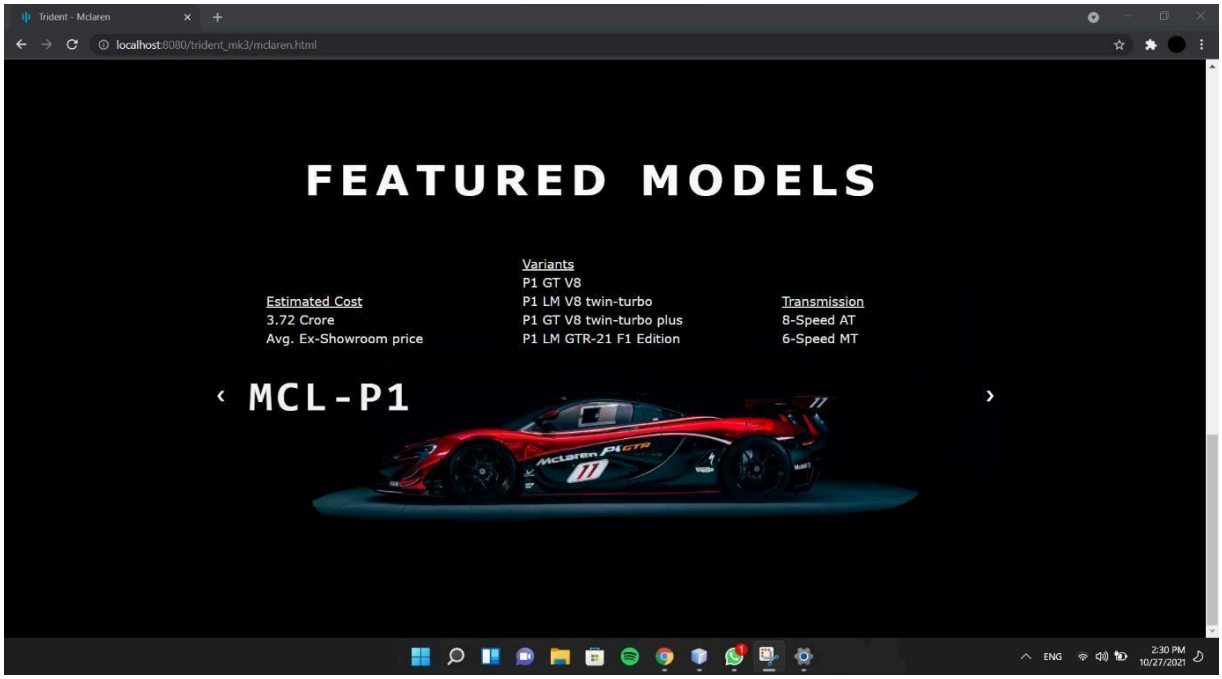
Car page pt2:



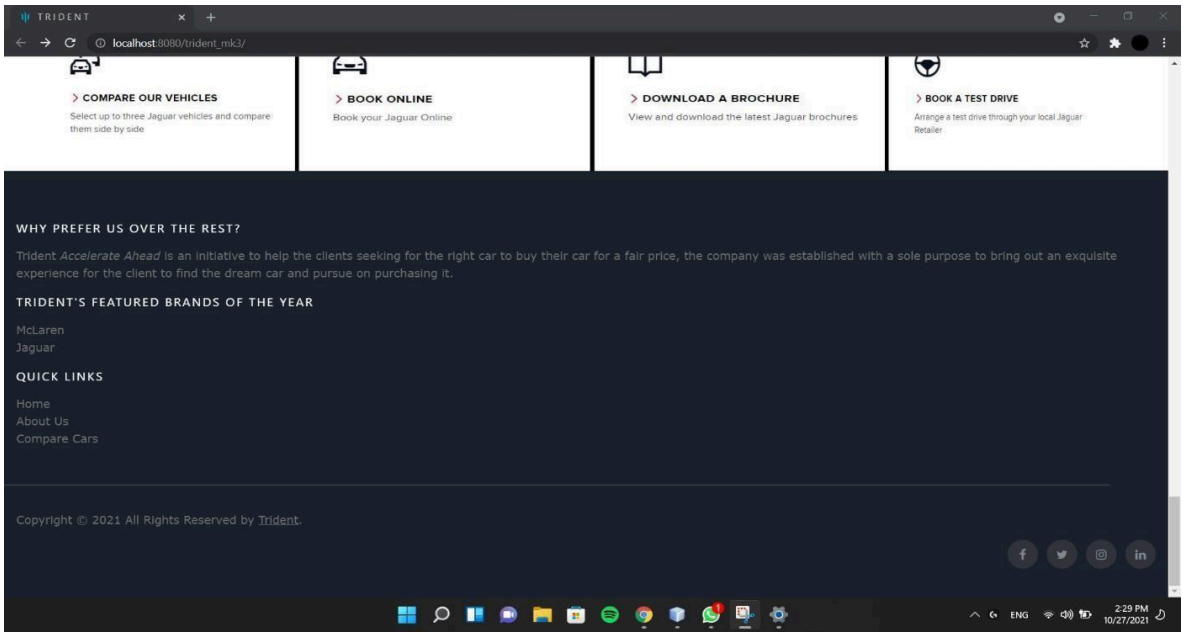
360 view :



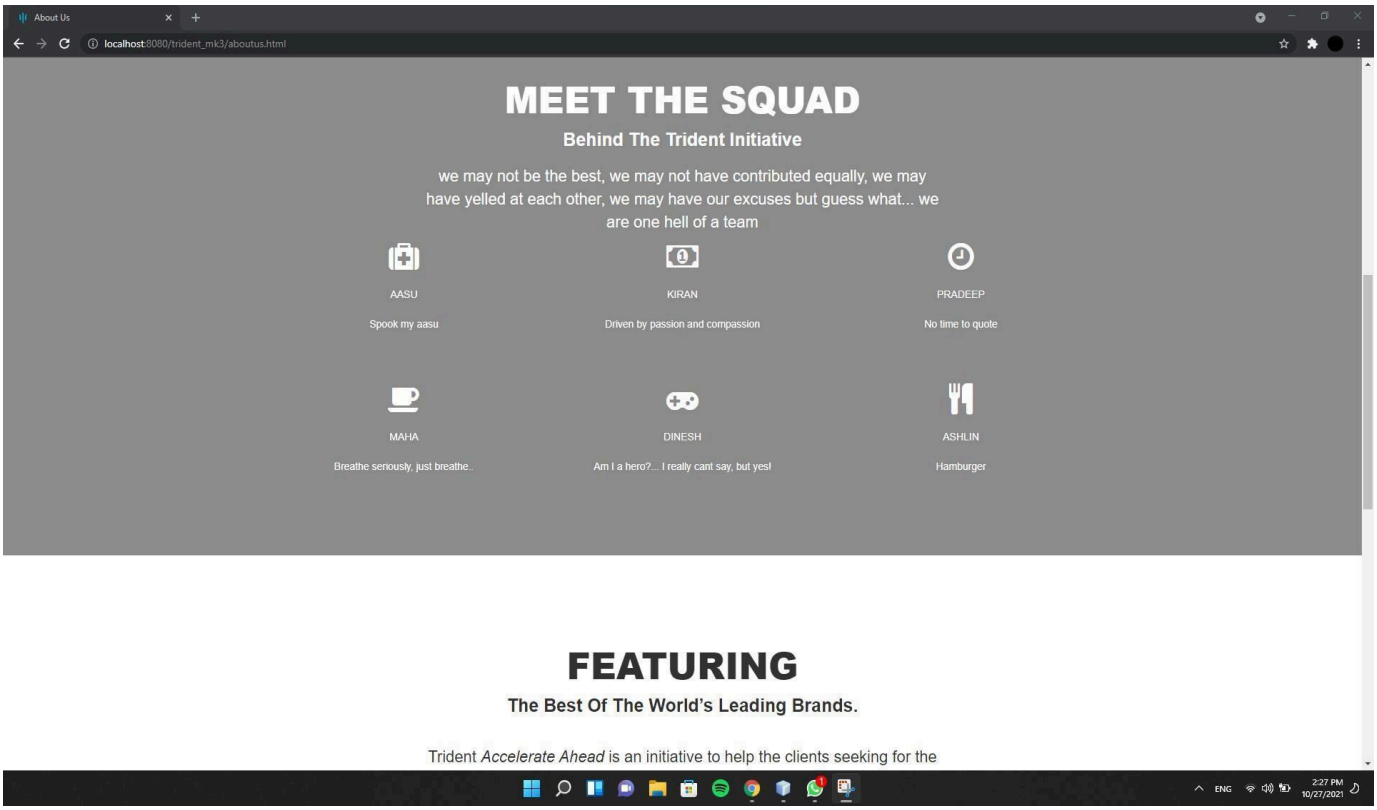
Model page:



Footer:



About us:



10. CONCLUSION

This project has been a rewarding experience in more than one way. The entire project work has enlightened us in the following areas.

- The project “Trident” application delivers a modern, interactive, and personalized digital storefront for automotive shoppers

- Our understanding of database design has been strengthened because in order to generate the final reports of database designing has to be properly followed.
- scheduling a project and adhering to that schedule creates a strong sense of time management.
- Sense of teamwork has developed and confidence in handling real life projects has increased to a great extent.
- Initially, there were problem with the validation but with discussions, we were to implement validations.

11. WEB REFERENCES

- **www.google.com**
- **www.htmlcodetutorial.com**
- **www.w3schools.com**
- **www.youtube.com**
- **www.javapoint.com**
- **www.bootstrap.com**