MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
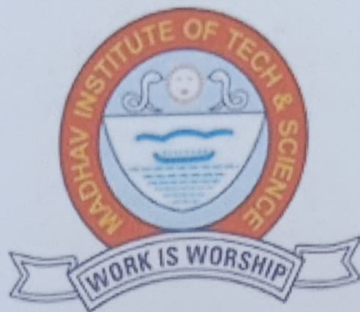
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WORK IS WORSHIP

Project Report

on

Custom Website

A project report submitted in partial fulfilment of the requirement for the degree of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

Submitted by:

Ankit Soni

0901CS191018

Aman Verma

0901CS191016

Faculty Mentor:

Mr. Mir Shahnawaz Ahmad

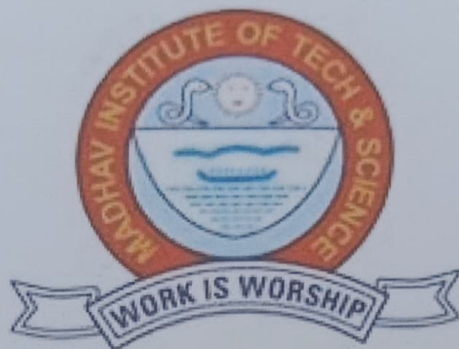**Assistant Professor, Computer Science and Engineering**

Submitted to:

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

GWALIOR - 474005 (MP) est. 1957

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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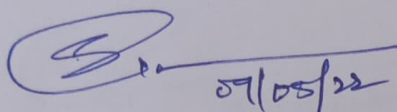
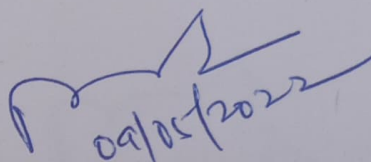MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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CERTIFICATE

This is certified that **Ankit Soni** (0901CS191018) has submitted the project report titled **Custom Website** under the mentorship of **Mr. Mir Shahnawaz Ahmad,** in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

Mr. Mir Shahnawaz Ahamad
Faculty Mentor
Assistant Professor
Computer Science and Engineering

Dr. Manish Dixit
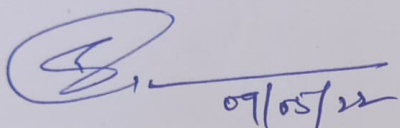Professor and Head
Computer Science and Engineering

Dr. Manish Dixit
Professor & HOD
Department of CSE
M.I.T.S. Gwalior
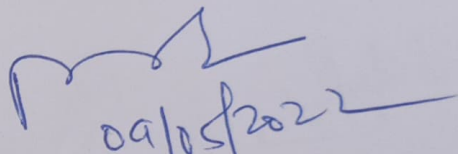
I

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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CERTIFICATE

This is certified that **Aman Verma (0901CS191016)** has submitted the project report titled **Custom Website** under the mentorship of **Mr. Mir Shahnawaz Ahmad,** in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

09/05/22

Mr. Mir Shahnawaz Ahamad
Faculty Mentor
Assistant Professor
Computer Science and Engineering

09/05/2022

Dr. Manish Dixit
Professor and Head
Computer Science and Engineering

Dr. Manish Dixit
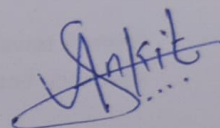Professor & HOD
Department of CSE
M.I.T.S. Gwalior

II

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

DECLARATION

We hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **Mr. Mir Shahnawaz Ahmad, Assistant Professor**, Computer Science and Engineering.

We declare that we have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.

Ankit Soni
0901CS191018
3rd Year
Computer Science and Engineering

Aman Verma
0901CS191016
3rd Year
Computer Science and Engineering

III

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

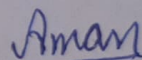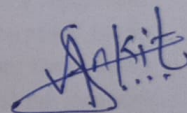(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

ACKNOWLEDGEMENT

Ankit Soni

0901CS191018

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Aman Verma

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Computer Science and Engineering

Abstract

When opening a new restaurant, geographical placement is of prime importance in determining whether it will thrive. Although some methods have been developed to assess the attractiveness of candidate locations for a restaurant, the accuracy is limited as they mainly rely on traditional data sources, such as demographic studies or consumer surveys. In this project, we particularly take advantage of pre- existing restaurants to construct predictive features for assessing the attractiveness of candidate locations to expand a restaurant. Specifically, we investigate market competitiveness, and geographic characteristics of a location under consideration for a prospective restaurant. We devise the three sets of features and incorporate them into a classification model to predict the optimality of opening a restaurant at a candidate's desired location. Moreover, our experimental results suggest that market attractiveness and market competitiveness features are more predictive than geographic features.
We are going to use Foursquare API for getting the information about pre-existing restaurants in that area.

Keywords: Geographical, Classification Model, Demographic, Market Competitiveness, Foursquare API

सार:

एक नया रेस्तरां खोलतेसमय, भौगोललक स्थिलत यह लनर्ररत करनेमेंप्रमुख महत्व रखती हैलक क्या यह पनपेगा। हालांलक रेस्तरां के लिए उम्मीदवार थिानोंके आकर्ण का आकलन करनेके लिए कु छ तरीके लवकलसत लकए गए हैं, सटीकता सीलमत हैक्योंलक वेमुख्य रूप सेजनसांख्यकीय अध्ययन या उपभोक्ता सवेक्षण जैसे पारांपररक डेटा स्रोतोंपर भरोसा करतेहैं। इस पररयोजना में, हम लवशेर् रूप सेपूवा-मौजूदा रेस्तरां का लाभ उठाते हैं तालक एक रेस्तरां का लवस्तार करनेके लिए उम्मीदवार थिानोंके आकर्ण का आकलन करनेके लिए भलवष्य कहनेवाला सुलवर ओंका लनमाण लकया जा सके । लवशेर् रूप से, हम एक सांभालवत रेस्तरां के लिए लवचारार्न थिान की बाजार प्रलतस्पऔर भौगोललक लवशेर्ताओंकी जांच करतेहैं। हम सुलवर ओंके तीन सेट तैयार करतेहैंऔर एक उम्मीदवार के वांलछत थिान पर एक रेस्तरां खोलनेकी इष्टतमता की भलवष्यवाणी करने के लिए उन्हेंएक वगीकरण मॉडल मेंशालमल करते हैं। इसके अलावा, हमारेप्रयोगात्मक पररणाम बतातेहैंलक भौगोललक लवशेर्ताओंकी तुलना मेंबाजार आकर ाण और बाजार प्रलतस्पर्म्क लवशेर्ताएं अलर्क अनुमालनत हैं।

CONTENTS

INTRODUCTION

Overview

The project aims to develop a Website in operating systems. Custom Website draws its inspiration from shop management like Amazon, Flipkart, Myntra, and many more. It has been designed to provide a user-friendly interface for carrying out a variety of tasks by employing certain well-defined commands.

This website is on Ecommerce, also known as electronic commerce or internet commerce , refers to the buying and selling of goods or services using the internet , and transfer of money and data to execute these transaction. Ecommerce is often used to refer to the sale of physical products online.

Required Tools Descriptions

1) **HTML** – HTML is the combination of hypertext and markup language. Hypertext defines the link between the web pages. A markup language is used to defines the text document within tag which define the structure of web pages. This language is used to annotate (make notes for the computer) text so that the machine can understand it and manipulate text accordingly. Most markup language (e.g. HTML) are human-readable. The language uses tags to define what manipulation has to be done on the text

2) **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, Colours, and fonts.

3) **VS Code** - Visual Studio Code is a code editor in layman's terms. Visual Studio Code is "a free-editor that helps the programmer write code, helps in debugging and corrects the code using the Intelli-sense method". In normal terms, it facilitates users to write the code in an easy manner.

SDLC Phases

1. Requirement gathering and analysis

This Software aims at developing a Ecommerce website for operating systems. The main purpose of the software is to perform the tasks of the user at certain commands, provided in either of the way. It will ease most of the work of the user as a complete task can be done on a single command. Custom website draws its inspiration from Online Market like Amazon, Flipkart, Shopsee, Mintra and many more .

These is the tools required for creating the Custom Website
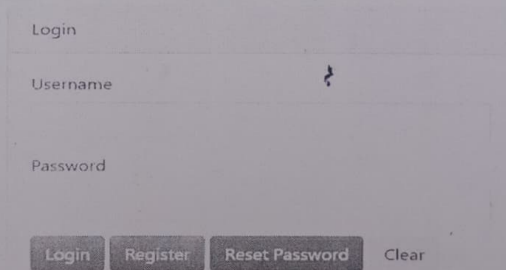
- Visual Studio Code
- HTML
- CSS
- XAMPP Control Panel
- Apache Server
- MySQL Server

Design

Login Page Design- This login page will make sure no person can access the pages without the authentication and the password will be encrypted for the user privacy.

Login in will show a small message about who logged in to the website with the admin name The name will disappear when the user will reload the page for a user friendly experience.

Login

Username

Password

Login   Register   Reset Password   Clear

Figure 1

(4)

Shop Page

Shop Page will show all the products in the shop and the customer can see the price and details of the product.

Figure 2

(5)

Implementation

List of all the pages

```php
1   <?php
2      session_start();
3      // Redirect the user to login page if he is not logged in.
4      if(!isset($_SESSION['loggedIn'])){
5          header('Location: login.php');
6          exit();
7      }
8
9      require_once('inc/config/constants.php');
10     require_once('inc/config/db.php');
11     require_once('inc/header.html');
12  ?>
13  <body>
14  <?php
15     require 'inc/navigation.php';
16  ?>
17     <!-- Page Content -->
18     <div class="container-fluid">
19         <div class="row">
20             <div class="col-lg-2">
21                 <h1 class="my-4"></h1>
22                 <div class="nav flex-column nav-pills" id="v-pills-tab" role="tablist" aria-orientation="vertical">
23                     <a class="nav-link active" id="v-pills-item-tab" data-toggle="pill" href="#v-pills-item" role="tab" aria-controls="v-
24                     <a class="nav-link" id="v-pills-purchase-tab" data-toggle="pill" href="#v-pills-purchase" role="tab" aria-controls="v
25                     <a class="nav-link" id="v-pills-vendor-tab" data-toggle="pill" href="#v-pills-vendor" role="tab" aria-controls="v-pil
26                     <a class="nav-link" id="v-pills-sale-tab" data-toggle="pill" href="#v-pills-sale" role="tab" aria-controls="v-pills-s
27                     <a class="nav-link" id="v-pills-customer-tab" data-toggle="pill" href="#v-pills-customer" role="tab" aria-controls="v
28                     <a class="nav-link" id="v-pills-search-tab" data-toggle="pill" href="#v-pills-search" role="tab" aria-controls="v-pil
29                     <a class="nav-link" id="v-pills-reports-tab" data-toggle="pill" href="#v-pills-reports" role="tab" aria-controls="v-p
30                 </div>
31             </div>
32             <div class="col-lg-10">
33                 <div class="tab-content" id="v-pills-tabContent">
34                     <div class="tab-pane fade show active" id="v-pills-item" role="tabpanel" aria-labelledby="v-pills-item-tab">
35                         <div class="card card-outline-secondary my-4">
36                             <div class="card-header">Item Details</div>
37                             <div class="card-body">
```

```html
<br>
<!-- Div to show the ajax message from validations/db submission -->
<div id="itemDetailsMessage"></div>
<form>
    <div class="form-row">
        <div class="form-group col-md-3" style="display:inline-block">
            <label for="itemDetailsItemNumber">Item Number<span class="requiredIcon">*</span></label>
            <input type="text" class="form-control" name="itemDetailsItemNumber" id="itemDetailsItemNumber" au
            <div id="itemDetailsItemNumberSuggestionsDiv" class="customListDivWidth"></div>
        </div>
        <div class="form-group col-md-3">
            <label for="itemDetailsProductID">Product ID</label>
            <input class="form-control invTooltip" type="number" readonly id="itemDetailsProductID" name="it
        </div>
    </div>
    <div class="form-row">
        <div class="form-group col-md-6">
            <label for="itemDetailsItemName">Item Name<span class="requiredIcon">*</span></label>
            <input type="text" class="form-control" name="itemDetailsItemName" id="itemDetailsItemName" aut
            <div id="itemDetailsItemNameSuggestionsDiv" class="customListDivWidth"></div>
        </div>
        <div class="form-group col-md-2">
            <label for="itemDetailsStatus">Status</label>
            <select id="itemDetailsStatus" name="itemDetailsStatus" class="form-control chosenSelect">
                <?php include('inc/statusList.html'); ?>
            </select>
        </div>
    </div>
    <div class="form-row">
        <div class="form-group col-md-6" style="display:inline-block">
            <!-- <label for="itemDetailsDescription">Description</label> -->
            <textarea rows="4" class="form-control" placeholder="Description" name="itemDetailsDescription" i
        </div>
    </div>
    <div class="form-row">
        <div class="form-group col-md-3">
            <label for="itemDetailsDiscount">Discount %</label>
```

```html
            <input type="text" class="form-control" value="0" name="itemDetailsDiscount" id="itemDetailsDisco
        </div>
        <div class="form-group col-md-3">
            <label for="itemDetailsQuantity">Quantity<span class="requiredIcon">*</span></label>
            <input type="number" class="form-control" value="0" name="itemDetailsQuantity" id="itemDetailsQua
        </div>
        <div class="form-group col-md-3">
            <label for="itemDetailsUnitPrice">Unit Price<span class="requiredIcon">*</span></label>
            <input type="text" class="form-control" value="0" name="itemDetailsUnitPrice" id="itemDetailsUnit
        </div>
        <div class="form-group col-md-3">
            <label for="itemDetailsTotalStock">Total Stock</label>
            <input type="text" class="form-control" name="itemDetailsTotalStock" id="itemDetailsTotalStock" r
        </div>
        <div class="form-group col-md-3">
            <div id="imageContainer"></div>
        </div>
    </div>
    <button type="button" id="addItem" class="btn btn-success">Add Item</button>
    <button type="button" id="updateItemDetailsButton" class="btn btn-primary">Update</button>
    <button type="button" id="deleteItem" class="btn btn-danger">Delete</button>
    <button type="reset" class="btn" id="itemClear">Clear</button>
</form>
</div>
<div id="itemImageTab" class="container-fluid tab-pane fade">
    <br>
    <div id="itemImageMessage"></div>
    <p>You can upload an image for a particular item using this section.</p>
    <p>Please make sure the item is already added to database before uploading the image.</p>
    <br>
    <form name="imageForm" id="imageForm" method="post">
        <div class="form-row">
            <div class="form-group col-md-3" style="display:inline-block">
                <label for="itemImageItemNumber">Item Number<span class="requiredIcon">*</span></label>
                <input type="text" class="form-control" name="itemImageItemNumber" id="itemImageItemNumber" autoc
                <div id="itemImageItemNumberSuggestionsDiv" class="customListDivWidth"></div>
            </div>
```

```
118        <div class="form-row">
119            <div class="form-group col-md-3" style="display:inline-block">
120                <label for="itemImageItemNumber">Item Number<span class="requiredIcon">*</span></label>
121                <input type="text" class="form-control" name="itemImageItemNumber" id="itemImageItemNumber" autoc
122                <div id="itemImageItemNumberSuggestionsDiv" class="customListDivWidth"></div>
123            </div>
124            <div class="form-group col-md-4">
125                <label for="itemImageItemName">Item Name</label>
126                <input type="text" class="form-control" name="itemImageItemName" id="itemImageItemName" readonl
127            </div>
128        </div>
129        <br>
130        <div class="form-row">
131            <div class="form-group col-md-7">
132                <label for="itemImageFile">Select Image ( <span class="blueText">jpg</span>, <span class="blueT
133                <input type="file" class="form-control-file btn btn-dark" id="itemImageFile" name="itemImageFil
134            </div>
135        </div>
136        <br>
137        <button type="button" id="updateImageButton" class="btn btn-primary">Upload Image</button>
138        <button type="button" id="deleteImageButton" class="btn btn-danger">Delete Image</button>
139        <button type="reset" class="btn">Clear</button>
140    </form>
141    </div>
142    </div>
143    </div>
144    </div>
145    <div class="tab-pane fade" id="v-pills-purchase" role="tabpanel" aria-labelledby="v-pills-purchase-tab">
146        <div class="card card-outline-secondary my-4">
147            <div class="card-header">Purchase Details</div>
148            <div class="card-body">
149                <div id="purchaseDetailsMessage"></div>
150                <form>
151                    <div class="form-row">
152                        <div class="form-group col-md-3">
153                            <label for="purchaseDetailsItemNumber">Item Number<span class="requiredIcon">*</span></label>
```

```
160        <input type="text" class="form-control datepicker" id="purchaseDetailsPurchaseDate" name="purchaseDetails
161    </div>
162    <div class="form-group col-md-3">
163        <label for="purchaseDetailsPurchaseID">Purchase ID</label>
164        <input type="text" class="form-control invTooltip" id="purchaseDetailsPurchaseID" name="purchaseDetailsPu
165        <div id="purchaseDetailsPurchaseIDSuggestionsDiv" class="customListDivWidth"></div>
166    </div>
167    </div>
168    <div class="form-row">
169        <div class="form-group col-md-4">
170            <label for="purchaseDetailsItemName">Item Name<span class="requiredIcon">*</span></label>
171            <input type="text" class="form-control invTooltip" id="purchaseDetailsItemName" name="purchaseDetailsI
172        </div>
173        <div class="form-group col-md-4">
174            <label for="purchaseDetailsCurrentStock">Current Stock</label>
175            <input type="text" class="form-control" id="purchaseDetailsCurrentStock" name="purchaseDetailsCurrent
176        </div>
177        <div class="form-group col-md-4">
178            <label for="purchaseDetailsVendorName">Vendor Name<span class="requiredIcon">*</span></label>
179            <select id="purchaseDetailsVendorName" name="purchaseDetailsVendorName" class="form-control chosen-sel
180                <?php
181                    require('model/vendor/getvendornames.php');
182                ?>
183            </select>
184        </div>
185    </div>
186    <div class="form-row">
187        <div class="form-group col-md-2">
188            <label for="purchaseDetailsQuantity">Quantity<span class="requiredIcon">*</span></label>
189            <input type="number" class="form-control" id="purchaseDetailsQuantity" name="purchaseDetailsQuantity" val
190        </div>
191        <div class="form-group col-md-2">
192            <label for="purchaseDetailsUnitPrice">Unit Price<span class="requiredIcon">*</span></label>
193            <input type="text" class="form-control" id="purchaseDetailsUnitPrice" name="purchaseDetailsUnitPrice" val
194        </div>
195        <div class="form-group col-md-2">
```

(8)

Testing

Testing the sign in page-

Login

Incorrect Username / Password   ✕

Username

123345-16

Password

••••••

[Login] [Register] [Reset Password] Clear

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Figure 3

Testing my login page, the email address required and password require works fine if the user doesn't type correct email/username or password it will show incorrect.

(9)

Deployment

Register   '

Name*

ankit

Username*

ankit

Password*

•••••

Re-enter password*

•••••

Login   Register   Reset Password   Clear

Figure 4

(10)

Software development model

My project is based on Waterfall Model-

Waterfall Model:

Waterfall model is the very first model that is used in SDLC. It is also known as the linear sequential model.

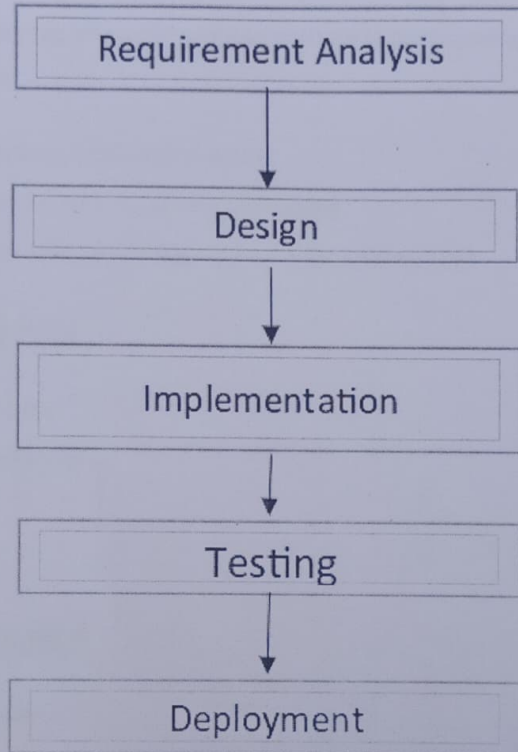In this model, the outcome of one phase is the input for the next phase. Development of the next phase starts only when the previous phase is complete.

- First, Requirement gathering and analysis is done. Once the requirement is freeze then only the System Design can start. Herein, the SRS document created is the output for the Requirement phase and it acts as an input for the System Design.
- In System Design Software architecture and Design, documents which act as an input for the next phase are created i.e. Implementation and coding.
- In the Implementation phase, coding is done and the software developed is the input for the next phase i.e. testing.
- In the testing phase, the developed code is tested thoroughly to detect the defects in the software. Defects are logged into the defect

  tracking tool and are retested once fixed. Bug logging, Retest, Regression testing goes on until the time the software is in go-live state.

(11)

In the Deployment phase, the developed code is moved into production after the sign off is given by the customer.

```
┌─────────────────────────────┐
│    Requirement Analysis      │
└─────────────────────────────┘
              │
              ▼
┌─────────────────────────────┐
│           Design            │
└─────────────────────────────┘
              │
              ▼
┌─────────────────────────────┐
│       Implementation         │
└─────────────────────────────┘
              │
              ▼
┌─────────────────────────────┐
│          Testing            │
└─────────────────────────────┘
              │
              ▼
┌─────────────────────────────┐
│         Deployment           │
└─────────────────────────────┘
```

(12)

Project Requirement

The system requirement to build a Custom Website are given below:

Window-Based Requirements

Computers running Microsoft windows must meet the following minimum Hardware and Software requirement.

- Microsoft Windows 7/8/10(32 or 64 bit)
- 3 GB RAM minimum,8 GB RAM recommended
- 4 GB Recommended (500 MB for IDE + 1.5 for Android SDK)

Software Requirement

- Visual Studio Code
- Xampp Control panel
- HTML
- CSS

Hardware Requirement

- Laptop/Computer
- USB Cables
- Mobile Devices

Conclusion

Through this eCommerce website buyers can shop for goods and the shop offer products and services for the customers. On this Custom eCommerce website, you'll find product listings, content, checkout page and orders placed by the customer it also contains the contact and address information of the buyer.