MURUGAPPA POLYTECHNIC COLLEGE
Sathyamurthy Nagar, Chennai-600 062.
(An Academically Autonomous Institution)

DEPARTMENT OF COMPUTER ENGINEERING

PROJECT REPORT

ON

B2C E-COMMERCE

Submitted By

NAME	REGISTER NUMBER
MOHAN KUMAR B	1811804
SANJAY M	1811813
BALAJI D	1912247
DURGESH K	1912251
MANOHARAN S	1912267

In partial fulfilment of the requirements of the award of

DIPLOMA IN COMPUTER ENGINEERING (REGULAR)

Under the guidance of

Mrs. V.ASHA, M.E.
Lecturer, Department of Computer Engineering

APRIL 2022

MURUGAPPA POLYTECHNIC COLLEGE

Sathyamurthy Nagar, Chennai-600 062.

(An Academically Autonomous Institution)

DEPARTMENT OF COMPUTER ENGINEERING

BONAFIDE CERTIFICATE

Certified that this project report entitled **"B2C E-COMMERCE** "is the bonafide record of work done by Selvan_____Registration No_____ student of Sixth Semester Computer Engineering (Regular) Diploma Course, during MARCH 2022 – MAY 2022 in fulfillment of the requirements for the award of **DIPLOMA IN COMPUTER ENGINEERING (REGULAR).**

Project Guide

Name: Mrs.V.ASHA, M.E

Date:

Head of the Department

Name: Mr. B. RAJENDRAN, M.E

Date:

Submitted for the End Semester Examination held on……..……..…

INTERNAL EXAMINER

EXTERNAL EXAMINER

ACKNOWLEDGEMENT

Any work completed consists not only the experience and skill of an individual but also it includes an organized body of people. As such, many kind hearts lay behind the completion of our project.

First, we wish our grateful gratitude to our parents who dedicated their life for our studies. We express our deep sense of gratitude to our beloved principal **Dr.K.SUDHAGAR, Ph.D.** whose motivation has helped us to develop this project.

We wish to express our sincere thanks to **HOD** of Computer Engineering **Mr.B.RAJENDRAN, M.E** and our guide **Mrs.V.ASHA, M.E**. The valuable guidance and encouragement given by guide have helped us in successfully completing this project.

We also wish to thank all staff members of Computer Engineering Department for their guidance and encouragement.

We place in record all our profound gratitude to helping hands for their courtesy and guidance.

The team members are very thankful to their friends and fellow students for helping us during the course of this project Work.

SYNOPSIS

Since almost all the buyers nowadays prefer online shopping due to its many benefits, the greatest opportunity for e-commerce companies is to build a long-lasting and profitable relationship with this already existing audience. For making strong relationship with these users it is very important to focus on the customer as a whole and making sense of a flood of real-time information that goes well beyond demographics or shopping behavior. There are two entities who will have the access to the system. One is the admin and another one will be the registered user. Here the Admin will not only add the product with its details such as product name, description, features, warranty, add on product and delivery date but also the admin can view and edit the product information whenever required. Admin can view all the order details and can also view the sales of the products.

User need to register with basic registration details to generate a valid username and password. After the user logins, it can view all the products that are recommended on the homepage compiled by the system based on users information. From the recommended products, the user can even further view its details and then if interested to buy, the system gives add to cart option for purchasing the product. The system even has an AI bot with the help of which the user can get answers to queries like features, warranty, price etc. details of the products. After selecting the product, user can do payment for the particular product online. Users can view their order history of their purchased product.

S.NO	CONTENTS	PAGE No.
1.	**INTRODUCTION** 1.1 AIM OF THE PROJECT 1.2 OBJECTIVE OF THE PROJECT	01
2	**SYSTEM ANALYSIS** 2.1 Existing system 2.2 Existing system	02
3.	**SYSTEM REQUIRMENTS** 3.1 HARDWARE REQUIRMENTS 3.2 SOFTWARE REQUIRMENTS	03
4.	**SYSTEM DESIGN** 4.1 SYSTEM ARCHITECTURE 4.2 DATABASE DESIGN	04
5.	**MODULES DESCRIPTION**	09
6.	**LANGUAGE DESCRIPTION**	11
7.	**SYSTEM TESTING AND MAINTENANCE**	17
8.	**CODING**	19
9.	**SCREEN SHOT**	37
10.	**COST ESTIMATION**	40
11.	**CONCLUSION**	41
12.	**BIBLIOGRAPHY**	42
13	**USER MANUAL**	43

1. INTRODUCTION

1.1 AIM OF THE PROJECT

This is very beneficial in case of everyday shopping for products and services for their personal use - families shopping for household goods, parents looking for clothes for their children, and the like

1.2 OBJECTIVE OF PROJECT

B2C ecommerce is the way a business can reach its final consumers without the help from any kind of third parties. Actually, b2c ecommerce revolves around online retailers and their direct consumers. There are no product simplifications. A b2c ecommerce website can offer a world of different product.

2. SYSTEM ANALYSIS

FEASIBILITY STUDY

Feasibility studies to aim to objectively and rationally identification systems

Uncover the strengths and weakness of the existing business or proposed venture, opportunities and threats as presented by the environment, the resources required to carry through and ultimately the prospects for success

2.1Existing system

The earliest way of purchasing products and goods are in local stores. We are need to go to an store physically and purchase the products. This way will take us separate time for this local store purchase. And we'll need to take all the purchased products by self

2.2 Proposed System

With increased workload and home commitments, it gets really hard for people to reach out to their favourite stores just to fetch their favourite products when they can buy it by just a tap of their fingers. E-commerce allows the customers to shop from their favourite website 24/7. E-commerce provides a perfect space for all types of businesses to present the best of their self on the internet to grab the attention of their target audience.

3. SYSTEM REQUIREMENTS

3.1 HARDWARE REQUIREMENTS

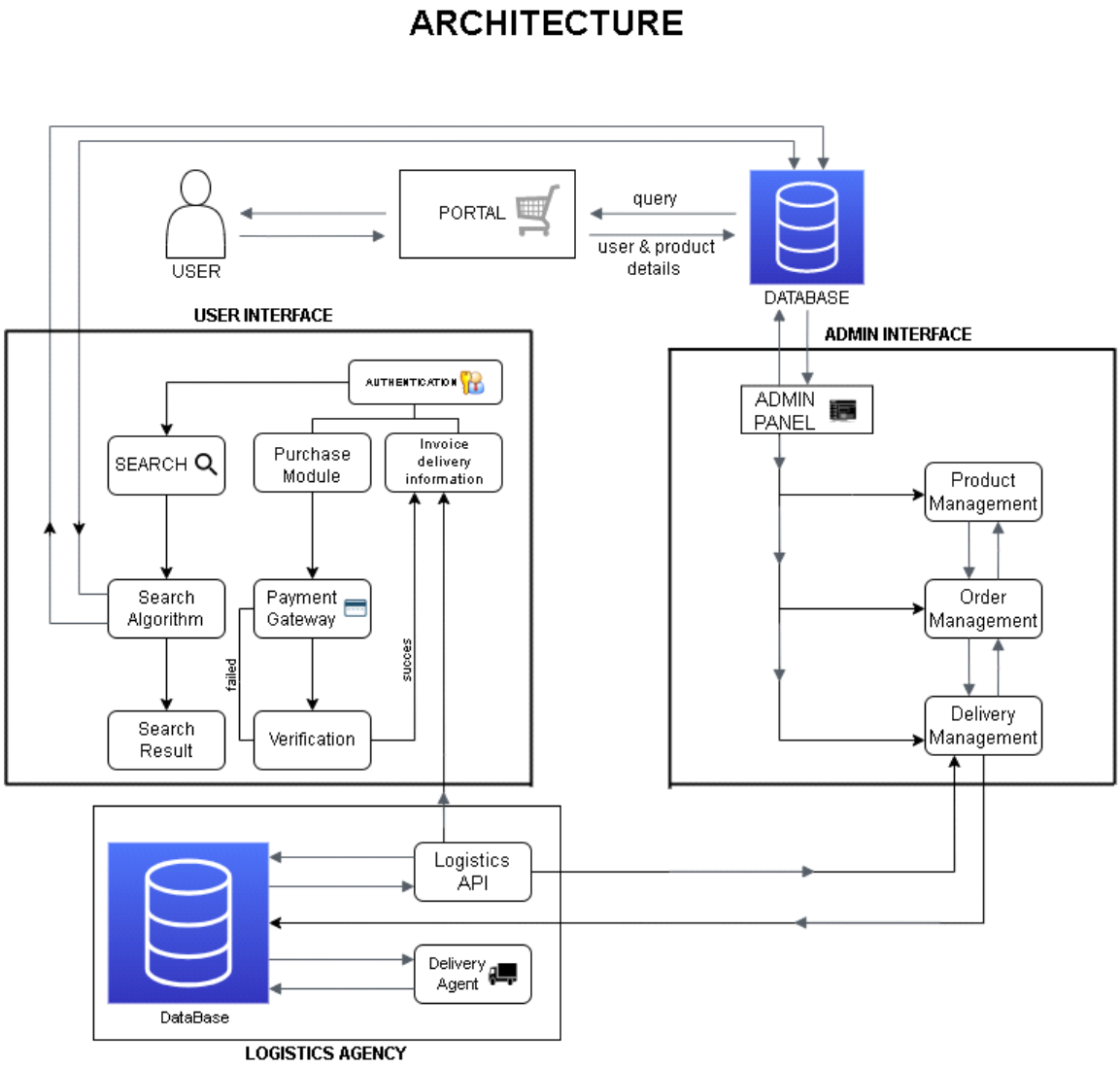
- Processor : Intel i3 2.8GHz
- RAM : 4GB
- Hard Disk : 512GB

3.2 SOFTWARE REQUIREMENTS

- Operating System : Windows 10
- Front End : HTML, CSS, JavaScript & PHP
- Back End : MySQL
- Software : XAMPP, Visual studio code

4. SYSTEM DESIGN

4.1 SYSTEM ARCHITECTURE



4.2. DATABASE DESIGN

Admin

S.no	Field name	Datatype	Collasion	Auto increment
1.	User_id	Int(11)	utf8mb4_general_ci	A_I
2.	User_name	Varchar(255)	utf8mb4_general_ci	
3.	Prdvl	Varchar(255)	utf8mb4_general_ci	

User Table

S.no	Name	Datatype	Collasion	Null	Auto increment
1	User_id	Int(11)	utf8mb4_general_ci	No	A_I
2	User_name	Varchar(255)	utf8mb4_general_ci	No	
3	User_pass	Varchar(255)	utf8mb4_general_ci	No	
4	user_email	Varchar(255)	utf8mb4_general_ci	No	
5	User_phone	Varchar(255)	utf8mb4_general_ci	No	
6	User_status	Varchar(50)	utf8mb4_general_ci	No	

Products

S.no	Name	Type	Collation	Null	Extra
1	product_id	int(11)		No	A_I
2	product_name	varchar(255)	utf8mb4_general_ci	No	
3	product_price	varchar(50)	utf8mb4_general_ci	No	
4	product_short_desc	text	utf8mb4_general_ci	No	
5	product_breif_desc	text	utf8mb4_general_ci	No	
6	product_category_id	Int(11)		No	

Cart table

S.no	Name	Datatype	Collasion	Null	Extra
1	cart_id	Int(11)		No	A_I
2	cart_uid	int(11)		No	
3	cart_pid	int(11)		No	
4	cart_qty	int(30)		No	

Contact table

S.no	Name	Datatype	Collasion	Null	Auto increment
1	contact_id	Int(11)		No	A_I
2	contact_name	Varchar(255)	utf8mb4_general_ci	No	
3	contact_email	Varchar(255)	utf8mb4_general_ci	No	
4	contact_descprition	text	utf8mb4_general_ci	No	
5	contact_date	Varchar(50)	utf8mb4_general_ci	No	
6	contact_status	Varchar(50)	utf8mb4_general_ci	No	

Product category table

S.no	Name	Type	Collation	Null	Extra
1	product_category_id	int(11)		No	A_I
2	product_category_name	varchar(255)	utf8mb4_general_ci	No	

Slider table

S.no	Name	Datatype	Collasion	Null	Auto increment
1	slider_id	Int(11)		No	A_I
2	slider_tag	Varchar(255)	utf8mb4_general_ci	No	
3	slider_title	Varchar(255)	utf8mb4_general_ci	No	
4	slider_link	text	utf8mb4_general_ci	No	
5	slider_descripition	Varchar(50)	utf8mb4_general_ci	No	
6	slider_img	text	utf8mb4_general_ci	No	

Wishlist table:

S.no	Name	Datatype	Collasion	Null	Extra
1	wishlist_id	Int(11)		No	A_I
2	wishlist_uid	int(11)		No	
3	wishlist_pid	int(11)		No	

Address table

S.no	Name	Datatype	Collasion	Null	Extra
1	address_id	Int(11)		No	A_I
2	address_uid	int(11)		No	
3	address_name	Varchar(255)	utf8mb4_general_ci	No	
4	address_email	Varchar(255)	utf8mb4_general_ci	No	
5	address_phone	Varchar(255)	utf8mb4_general_ci	No	
6	address_address	text	utf8mb4_general_ci	No	
7	address_bname	Varchar(255)	utf8mb4_general_ci	No	
8	address_ct	Varchar(255)	utf8mb4_general_ci	No	
9	address_dis	Varchar(255)	utf8mb4_general_ci	No	
10	address_pincode	Varchar(10)	utf8mb4_general_ci	No	
11	address_mode	Varchar(30)	utf8mb4_general_ci	No	

5. MODULES DESCRIPTION

MODULES

1. **USER**
2. **ADMIN**
3. **CONTENT MANAGEMENT**
4. **ORDER MANAGEMENT**
5. **PAYMENT**
6. **SHIPPING**

5.1 USER

The Application enables the user to register themselves with the ecommerce portal. Way the application can store purchase history, can track purchase and can send time bound newsletter specifying new deals, offers, promotional materials etc... Other than the customer database can be used for making survey do decide product inventory product promotions etc...

5.2 ADMIN

- This module is used to store the database from which the product details to be stored & retrieved
- This process enables the admin to ADD, DELETE items or product details, description, color, weighing with option do upload image of the product and pricing
- This module has to view the information details also provided.
- Which user entering to the shopping market, then provided to the which product how much cost,weight,mfg etc.., also providing
- these details are stored in the database server if a system call from the user for a unique product id that particular product details are given back to the user.

5.3 CONTENT MANAGEMENT

- **Product Listening.**

  Ecommerce application demand the listening of the products features.

- **Product Review.**

  A review is an evaluation of a product with making which helps after buyer to decide on the purchace. Our online application is empowered with product review to help consolidate user opinion about a particular product.

5.4 ORDER MANAGEMENT

Ecommerce system required the products to be mentained available or not. If available,intended buyer have the freedom of product ordering through adding the product in the shipping cart. To be more specific, buyer can locate the product or goods by searching the key parameters or locate through product categories and the can add the product to the cart for futher processing

5.5 PAYMENT

Payment gateway integration into ecommerce website is a good way of accesing payment for products or services offered by the online shopping. This is responsible for tracking the payment states and places the order.

5.6 SHIPPING

The module helps the client to enter the product shipping details with address and the system calculate if there is any shipping charges to be lived based upon the shipping location.

6. LANGUAGE DESCRIPTION

HTML

The Hypertext Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document. HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items.

HTML elements are delineated by tags, written using angle brackets. Tags such as and directly introduce content into the page. Other tags such as surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags but use them to interpret the content of the page.

HTML can embed programs written in a scripting language such as JavaScript, which affects the behavior and content of web pages. Inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997.

A form of HTML, known as HTML5, is used to display video and audio, primarily using the element, in collaboration with JavaScript.

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; and enable the .CSS file to be cached to improve the page load speed between the pages that share the file and its formatting.

Separation of formatting and content also makes it feasible to present the same markup page in different styles for different rendering methods, such as onscreen, in print, by voice (via speech-based browser or screen reader), and on Braille-based tactile devices. CSS also has rules for alternate formatting if the content is accessed on a mobile device.

The name cascading comes from the specified priority scheme to determine which style rule applies if more than one rule matches a particular element. This cascading priority scheme is predictable

SYNTAX

CSS has a simple syntax and uses a number of English keywords to specify the names of various style properties.

A style sheet consists of a list of rules. Each rule or rule-set consists of one or more selectors, and a declaration block.

Selector

In CSS, selectors declare which part of the markup a style applies to by matching tags and attributes in the markup itself.

Selectors may apply to the following:

➢ All elements of a specific type, e.g. the second-level headers h2

➢ Elements specified by attribute, in particular: o id: an identifier unique within the document, identified with a hash prefix e.g., #id o class: an identifier that can annotate multiple elements in a document, identified with a period prefix e.g. classname

➢ elements depending on how they are placed relative to others in the document tree.

Classes and IDs are case-sensitive, start with letters, and can include alphanumeric characters, hyphens, and underscores. A class may apply to any number of instances of any elements. An ID may only be applied to a single element.

Pseudo-classes are used in CSS selectors to permit formatting based on information that is not contained in the document tree. One example of a widely used pseudo-class is: however, which identifies content only when the user "points to" the visible element, usually by holding the mouse cursor over it. It is appended to a selector as in a: however, or #elementid: hover. A pseudo-class classifies document 18 elements, such as: link or: visited, whereas a pseudo-element makes a selection that may consist of partial elements, such as: first-line or: first-letter. Selectors may be combined in many ways to achieve great specificity and flexibility. Multiple selectors may be joined in a spaced list to specify elements by location, element type, id, class, or any combination thereof. The order of the selectors is important. For example, div .my Class {color: red;} applies to all elements of class my Class that are inside div elements, whereas .my Class div {color: red;} applies to all div elements that are inside elements of class my Class. This is not to be confused with concatenated identifiers such as div. my Class {color: red;} which applies to div elements of class my Class.

Before CSS, nearly all presentational attributes of HTML documents were contained within the HTML markup. All font colors, background styles, element alignments, borders and sizes had to be explicitly described, often repeatedly, within the HTML. CSS lets authors move much of that information to another file, the style sheet, resulting in considerably simpler HTML.

For example, headings (h1 elements), sub-headings (h2), sub-sub-headings (h3), etc., are defined structurally using HTML. In print and on the screen, choice of font, size, color and emphasis for these elements is presentational.

JavaScript

JavaScript often abbreviated JS, is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS. Over 97% 19 of websites use JavaScript on the client side for web page behavior, often incorporating third-party libraries. All major web browsers have a dedicated JavaScript engine to execute the code on users' devices.

JavaScript is a high-level, often just-in-time compiled language that conforms to the ECMAScript standard. It has dynamic typing, prototype-based object-orientation, and first-class functions. It is multi-paradigm, supporting event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM).

The ECMAScript standard does not include any input/output (I/O), such as networking, storage, or graphics facilities. In practice, the web browser or other runtime system provides JavaScript APIs for I/O.

JavaScript engines were originally used only in web browsers, but are now core components of some servers and a variety of applications. The most popular runtime system for this usage is Node.js.

Although Java and JavaScript are similar in name, syntax, and respective standard libraries, the two languages are distinct and differ greatly in design.

PHP

PHP is a general-purpose scripting language geared toward web development. It was originally created by Danish-Canadian programmer RasmusLerdorf in 1994. The PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Preprocessor.

PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code – which may be any type of data, such as generated HTML or binary image data – would form the whole or part of an HTTP response. Various web template systems,

web content management systems, and web frameworks exist which can be employed to orchestrate or facilitate the generation of that response. Additionally, PHP can be used for many programming tasks outside the web context, such as standalone graphical applications and robotic drone control. PHP code can also be directly executed from the command line.

The standard PHP interpreter, powered by the Zend Engine, is free software released under the PHP License. PHP has been widely ported and can be deployed on most web servers on a variety of operating systems and platforms.

The PHP language evolved without a written formal specification or standard until 2014, with the original implementation acting as the de facto standard which other implementations aimed to follow. Since 2014, work has gone on to create a formal PHP specification.

W3Techs reports that, as of January 2022, "PHP is used by 78.1% of all the websites whose server-side programming language we know." PHP version 7.4 is the most used version. Support for version 7.3 was dropped on 6 December 2021.

MySQL

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of cofounder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. A relational database organizes data into one or more data tables in which data types may be related to each other; these relations help structure the data. SQL is a language programmers use to create, modify and extract data from the relational database, as well as control user access to the database. In addition to relational databases and SQL, an RDBMS like MySQL works with an operating system to implement a relational database in a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups.

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation). In 2010, when Oracle acquired Sun, Widenius forked the open-source MySQL project to create MariaDB.

MySQL has stand-alone clients that allow users to interact directly with a MySQL database using SQL, but more often, MySQL is used with other programs to implement applications that need relational database capability. MySQL is a component of the LAMP web application software stack (and others), which is an acronym for Linux, Apache, MySQL, Perl/PHP/Python. MySQL is used by many database-driven web applications, including Drupal, Joomla, phpBB, and WordPress. MySQL is also used by many popular websites, including Facebook, Flickr, MediaWiki, Twitter, and YouTube.

7. SYSTEM TESTING AND MAINTENANCE

The various levels of testing are

- Unit Testing
    - White Box Testing
    - Black Box Testing
- Functional Testing
- Integration Testing

Unit testing

In computer programming, **unit testing** is a method by which individual units of source code, sets of one or more computer program modules together with associated control data, usage procedures, and operating procedures are tested to determine if they are fit for use.

White Box Testing

White-box testing (also known as clear box testing, glass box testing, and transparent box testing, and structural testing) is a method of testing software that tests internal structures or workings of an application.

In white-box testing an internal perspective of the system, as well as programming skills, are used to design test cases.

Black Box Testing

Black-box testing is a method of software testing that examines the functionality of an application (e.g. what the software does) without peering into its internal structures or workings (see white-box testing).

This method of test can be applied to virtually every level of software testing: unit, integration, system and acceptance. It typically comprises most if not all higher level testing, but can also dominate unit testing as well

Functional testing

Functional testing is a quality assurance (QA) process and a type of black box testing that bases its test cases on the specifications of the software component under test.

Functions are tested by feeding them input and examining the output, and internal program structure is rarely considered (not like in white-box testing.

Integration testing

Integration testing (sometimes called integration and testing, abbreviated I&T) is the phase in software testing in which individual software modules are combined and tested as a group. It occurs after unit testing and before validation testing.

8. CODING

B2C E-COMMERCE

LOGIN

```
<?php

if(isset($_POST['login'])){

$login_email = $_POST['email'];

$login_password = $_POST['password'];

$login_email = mysqli_real_escape_string($connection, $login_email);

$login_password = mysqli_real_escape_string($connection, $login_password);

$check_user_query = "SELECT * FROM users WHERE user_email = '$login_email'";

$check_user_result = mysqli_query($connection, $check_user_query);

$check_user_count = mysqli_num_rows($check_user_result);

if($check_user_count >= 1){

while($row = mysqli_fetch_assoc($check_user_result)){

$db_user_id = $row['user_id'];

$db_user_name = $row['user_name'];

$db_user_email = $row['user_email'];

$db_user_phone = $row['user_phone'];

$db_user_pass = $row['user_pass'];

$db_user_status = $row['user_status'];

if($db_user_status == 'activated'){

if($db_user_email == $login_email && $db_user_pass == md5($login_password)){
```

```
if(isset($_POST['remember'])){
setcookie("estore_u_c_id", $db_user_id, time() + (86400 * 30), "/");
setcookie("estore_u_c_email", $db_user_email, time() + (86400 * 30), "/");
setcookie("estore_u_c_pass", $db_user_pass, time() + (86400 * 30), "/");
}
$_SESSION['login_user_id'] = $db_user_id;
header("location: index.php");
}else{
echo "<p class='form_msg red'>&#9888; Incorrect password. Please try again.</p>";
}
}else{
$to_email = $db_user_email;
$subject = 'Account Verification - EStore';
$from = 'golspoh1828@gmail.com';
$token = date('his') . md5(random_bytes(64));
$link = "localhost/estore/account.php?verification=true&auth=".$db_user_email."&token=".$token;
$year = date('Y');
// To send HTML mail, the Content-type header must be set
$headers  = 'MIME-Version: 1.0' . "\r\n";
$headers .= 'Content-type: text/html; charset=iso-8859-1' . "\r\n";
// Create email headers
```

```
$headers .= 'From: '.$from."\r\n".

'Reply-To: '.$from."\r\n" .

'X-Mailer: PHP/' . phpversion();

// Compose a simple HTML email message

$message = '<html><body>';

$message .= '<div style="height:500px; width:100%; background:#d8232a;"><br><p style="color:#fff; margin-left:10px; font-size:20px; font-style:italic;">EStore</p>';

$message .= '<div style="height:300px; width:80%; background:#fff;margin-top:35px; margin-left: auto;margin-right: auto;">';

$message .= '<br><p style="font-size:15px; font-weight:bold; color:#d8232a; text-align:center;">Account Verification!</p>';

$message .= '<p style="color:#595959; text-align:center;">Hi ' . $db_user_email . ', Your account was created successfully. Please Click the button below to verify your account.</p><br>';

$message .= '<center><a href="' . $link . '" target="_blank"><button style="height:50px; width:120px; color:#fff; background:#d8232a; border:none;">Verify</button></a></center></div></div><br><br>';

$message .= '<center>&#169; Copy Right ' . $year . ' EStore. All rights reserved.</center>';

// $message .= '';

$message .= '</body></html>';

// Sending email

if(mail($to_email, $subject, $message, $headers)){

echo "<p class='form_msg red'>&#9888; Please Verify your account. An another verification mail has sent to your Email.</p>";

} else{
```

```
echo "<p class='form_msg red'>&#9888; Something went wrong. Please try again.</p>";

}

}

}

}else{

echo "<p class='form_msg red'>&#9888; There is no user with '". $login_email ."'</p>";

}

}

?>

<form action="account.php" method="post" class="aa-login-form">

<label for="">Email address<span>*</span></label>

<input type="email" name="email" placeholder="Enter your email" required>

<label for="">Password<span>*</span></label>

<input type="password" name="password" placeholder="Password" required>

<button type="submit" name="login" class="aa-browse-btn">Login</button>

<label class="rememberme" for="rememberme"><input type="checkbox" name="remember" id="rememberme"> Remember me </label>

<p class="aa-lost-password"><a href="#">Lost your password?</a></p>

</form>

</div>

</div>

<div class="col-md-6">
```

```
<div class="aa-myaccount-register">

<h4>Register</h4>

<?php

if(isset($_POST['register'])){

$reg_user_name = $_POST['username'];

$reg_user_email = $_POST['email'];

$reg_user_phone = $_POST['phone'];

$reg_user_password = $_POST['password'];

$reg_user_confirm_password = $_POST['confirm_password'];


$reg_user_name = mysqli_real_escape_string($connection, $reg_user_name);

$reg_user_email = mysqli_real_escape_string($connection, $reg_user_email);

$reg_user_phone = mysqli_real_escape_string($connection, $reg_user_phone);

$reg_user_password = mysqli_real_escape_string($connection, $reg_user_password);

$reg_user_confirm_password = mysqli_real_escape_string($connection, $reg_user_confirm_password);


$check_user_query = "SELECT * FROM users WHERE user_email = '$reg_user_email'";

$check_user_result = mysqli_query($connection, $check_user_query);

$check_user_count = mysqli_num_rows($check_user_result);

if($check_user_count >= 1){

echo "<p class='form_msg red'>&#9888; This email is already registered.</p>";
```

```
}else{

if(strlen($reg_user_phone) == 10){

$uppercase = preg_match('@[A-Z]@', $reg_user_password);

$lowercase = preg_match('@[a-z]@', $reg_user_password);

$number    = preg_match('@[0-9]@', $reg_user_password);

$specialChars = preg_match('@[^\w]@', $reg_user_password);

if(!$uppercase || !$lowercase || !$number || !$specialChars || strlen($reg_user_password) < 8) {

echo "<p class='form_msg red'>&#9888; Password should be at least 8 characters in length and should include at least one upper case letter, one lower case letter, one number, and one special character.</p><hr>";

}else{

if($reg_user_password == $reg_user_confirm_password){

$to_email = $reg_user_email;

$subject = 'Account Verification - EStore';

$from = 'golspoh1828@gmail.com';

$token = date('his') . md5(random_bytes(64));

$link = "localhost/estore/account.php?verification=true&auth=".$reg_user_email."&token=".$token;

$year = date('Y');

// To send HTML mail, the Content-type header must be set

$headers  = 'MIME-Version: 1.0' . "\r\n";

$headers .= 'Content-type: text/html; charset=iso-8859-1' . "\r\n";
```

```
// Create email headers

$headers .= 'From: '.$from."\r\n".

'Reply-To: '.$from."\r\n" .

'X-Mailer: PHP/' . phpversion();

// Compose a simple HTML email message

$message = '<html><body>';

$message .= '<div style="height:500px; width:100%; background:#d8232a;"><br><p style="color:#fff; margin-left:10px; font-size:20px; font-style:italic;">EStore</p>';

$message .= '<div style="height:300px; width:80%; background:#fff;margin-top:35px; margin-left: auto;margin-right: auto;">';

$message .= '<br><p style="font-size:15px; font-weight:bold; color:#d8232a; text-align:center;">Account Verification!</p>';

$message .= '<p style="color:#595959; text-align:center;">Hi ' . $reg_user_name . ', Your account was created successfully. Please Click the button below to verify your account.</p><br>';

$message .= '<center><a href="' . $link . '" target="_blank"><button style="height:50px; width:120px; color:#fff; background:#d8232a; border:none;">Verify</button></a></center></div></div><br><br>';

$message .= '<center>&#169; Copy Right ' . $year . ' EStore. All rights reserved.</center>';

// $message .= '';

$message .= '</body></html>';

// Sending email

if(mail($to_email, $subject, $message, $headers)){

$enc_phone = base64_encode($reg_user_phone);
```

```
$enc_pass = md5($reg_user_password);

$endTime = strtotime("+30 minutes", strtotime($current_date.' '.$current_time));

$endTime = date('d-m-Y H:i:s', $endTime);

$add_user_query = "INSERT INTO users(user_name, user_email, user_phone, user_pass, user_status) VALUES('$reg_user_name', '$reg_user_email', '$enc_phone', '$enc_pass', 'pending')";

$add_user_result = mysqli_query($connection, $add_user_query);

$add_token_query = "INSERT INTO users_link(users_link_email, users_link_token, users_link_status, users_link_dt, users_link_exp_dt, users_link_module) VALUES('$reg_user_email', '$token', 'pending', '$current_date $current_time', '$endTime', 'registration')";

$add_token_result = mysqli_query($connection, $add_token_query);

if(!$add_user_result && !$add_token_result){

echo "<p class='form_msg red'>&#9888; User Registration Failed. Please try again.</p>";

}else{

echo "<p class='form_msg green'>&#10003; Resigtration successful. Please check your email for verification code.</p>";

}

} else{

echo "<p class='form_msg red'>&#9888; Something went wrong. Please try again.</p>";

}

}else{

echo "<p class='form_msg red'>&#9888; Password and Confirm password not matching.</p>";
```

```
}

}

}else{

echo "<p class='form_msg red'>&#9888; Phone Number should be only 10 digits.</p>";

}

}

}

if(isset($_GET['verification'])){

$verify_email = $_GET['auth'];

$verify_token = $_GET['token'];

$verify_email = mysqli_real_escape_string($connection, $verify_email);

$verify_token = mysqli_real_escape_string($connection, $verify_token);

$select_token_details_query = "SELECT * FROM users_link WHERE users_link_email = '$verify_email' AND users_link_token = '$verify_token' AND users_link_status = 'pending' AND users_link_module = 'registration'";

$select_token_details_result = mysqli_query($connection, $select_token_details_query);

$link_count = mysqli_num_rows($select_token_details_result);

while($row = mysqli_fetch_assoc($select_token_details_result)){

$users_link_id = $row['users_link_id'];

$users_link_status = $row['users_link_status'];

$users_link_dt = $row['users_link_dt'];

$users_link_exp_dt = $row['users_link_exp_dt'];
```

```
$users_link_module = $row['users_link_module'];

}

if($link_count >= 1){

if(strtotime($current_date.' '.$current_time) < strtotime($users_link_exp_dt)){

if($users_link_status == 'expired'){

echo "<p class='form_msg red'>&#9888; Invalid Verification Link.</p>";

}else{

$update_user_status_query = "UPDATE users SET user_status = 'activated' WHERE user_email = '$verify_email'";

$update_user_status_result = mysqli_query($connection, $update_user_status_query);

$update_link_query = "UPDATE users_link SET users_link_status = 'expired' WHERE users_link_id = $users_link_id";

$update_link_result = mysqli_query($connection, $update_link_query);

if(!$update_user_status_result){

echo "<p class='form_msg red'>&#9888; Something went wrong.</p>";

}else{

echo "<p class='form_msg green'>&#9888; Account verified successfully. Login to your account.</p>";

}

}

}else{

$to_email = $verify_email;

$subject = 'Account Verification - EStore';
```

```
$from = 'golspoh1828@gmail.com';

$token = date('his') . md5(random_bytes(64));

$link = "localhost/estore/account.php?verification=true&auth=".$verify_email."&token=".$token;

$year = date('Y');

// To send HTML mail, the Content-type header must be set

$headers  = 'MIME-Version: 1.0' . "\r\n";

$headers .= 'Content-type: text/html; charset=iso-8859-1' . "\r\n";

// Create email headers

$headers .= 'From: '.$from."\r\n".

'Reply-To: '.$from."\r\n" .

'X-Mailer: PHP/' . phpversion();

// Compose a simple HTML email message

$message = '<html><body>';

$message .= '<div style="height:500px; width:100%; background:#d8232a;"><br><p style="color:#fff; margin-left:10px; font-size:20px; font-style:italic;">EStore</p>';

$message .= '<div style="height:300px; width:80%; background:#fff;margin-top:35px; margin-left: auto;margin-right: auto;">';

$message .= '<br><p style="font-size:15px; font-weight:bold; color:#d8232a; text-align:center;">Account Verification!</p>';

$message .= '<p style="color:#595959; text-align:center;">Hi ' . $verify_email . ', Your account was created successfully. Please Click the button below to verify your account.</p><br>';
```

```
$message .= '<center><a href="' . $link . '" target="_blank"><button style="height:50px; width:120px; color:#fff; background:#d8232a; border:none;">Verify</button></a></center></div></div><br><br>';

$message .= '<center>&#169; Copy Right ' . $year . ' EStore. All rights reserved.</center>';

// $message .= '';

$message .= '</body></html>';

// Sending email

if(!mail($to_email, $subject, $message, $headers)){

echo "<p class='form_msg red'>&#9888; Something Went Wrong.</p>";

}else{

echo "<p class='form_msg red'>&#9888; Your Link Expired Another Verifiction mail has been sent to your Email.</p>";

}

}

}else{

echo "<p class='form_msg red'>&#9888; Invalid Verification Link.</p>";

}

}

?>
```

LOGOUT

```
<?php

ob_start();

session_start();
```

```
unset($_SESSION['login_user_id']);

setcookie("estore_u_c_id", "", time()-3600, "/");

setcookie("estore_u_c_email", "", time()-3600, "/");

setcookie("estore_u_c_pass", "", time()-3600, "/");

unset($_COOKIE['estore_u_c_id']);

unset($_COOKIE['estore_u_c_email']);

unset($_COOKIE['estore_u_c_pass']);

header("location: account.php");

?>
```

Cart

```
<?php

$sno = 1;

$select_car_query = "SELECT * FROM cart WHERE cart_uid = $db_user_id";

$select_car_result = mysqli_query($connection, $select_car_query);

while($row = mysqli_fetch_assoc($select_car_result)){

$cart_id = $row['cart_id'];

$cart_pid = $row['cart_pid'];

$cart_qty = $row['cart_qty'];

$select_product_details_query = "SELECT * FROM product_details WHERE product_id = $cart_pid";

$select_product_details_result = mysqli_query($connection, $select_product_details_query);

$product_count = mysqli_num_rows($select_product_details_result);
```

```
if($product_count >= 1){

while($row = mysqli_fetch_assoc($select_product_details_result)){

$product_name = $row['product_name'];

$product_price = $row['product_price'];

}

$function_call = "calcSubPrice$sno()";

?>

<tr>

<td><a class="remove" href="cart.php?did=<?php echo $cart_id; ?>"><fa class="fa fa-close"></fa></a></td>

<td><a href="#"><img src="img/man/polo-shirt-1.png" alt="img"></a></td>

<td><a class="aa-cart-title" href="product-detail.php?pid=1"><?php echo $product_name; ?></a></td>

<td id="subProductPrice">Rs:<?php echo $product_price; ?></td>

<td><input class="aa-cart-quantity" id="subPqty<?php echo $sno; ?>" value="<?php echo $cart_qty; ?>" min="1" onchange="<?php echo $function_call; ?>" type="number" value="1"></td>

<td id="subPTotal<?php echo $sno; ?>">Rs: <?php echo $product_price; ?></td>

</tr>

<script>

calcSubPrice<?php echo $sno; ?>();

function calcSubPrice<?php echo $sno; ?>(){

var subPqty = document.getElementById("subPqty<?php echo $sno; ?>").value;

calcProductTotal = <?php echo $product_price; ?> * subPqty;
```

```
document.getElementById("subPTotal<?php echo $sno; ?>").innerHTML = "Rs: " +
calcProductTotal;

calcTotal();

var actionId = <?php echo $cart_id; ?>;

$.ajax({

'url': 'cart.php',

'type': 'POST',

'data': {

cart_id: actionId,

cartPqty: subPqty

},

'success': function(data) {

// alert("Done");

},

'error': function(data) {

// alert("Failed");

}

});

}

</script>

<?php

}

$sno++;
```

```
}

?>
```

DATABASE

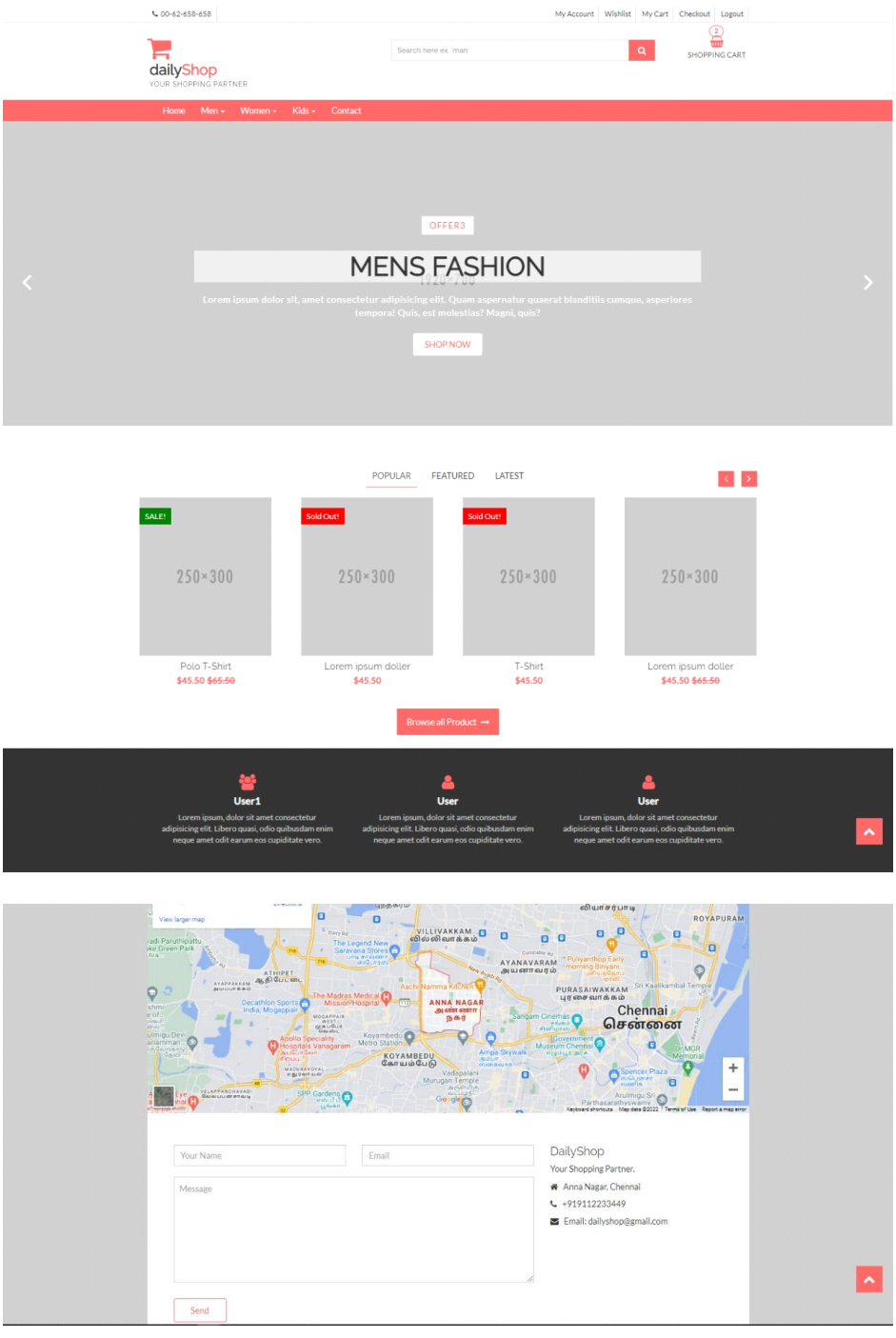
```
<?php

ob_start();

session_start();

date_default_timezone_set('Asia/Kolkata');

$current_date = date('d-m-Y');

$current_time = date('H:i:s');

$connection = mysqli_connect('localhost', 'root', '', 'estore');

if(!$connection){

echo "<script>alert('Database Not Connected');</script>";

}else{

if(isset($_COOKIE['estore_u_c_id']) && isset($_COOKIE['estore_u_c_email']) && isset($_COOKIE['estore_u_c_pass'])){

if(isset($_COOKIE['estore_u_c_id']) && isset($_COOKIE['estore_u_c_email']) && isset($_COOKIE['estore_u_c_pass'])){

$user_cookie_id = $_COOKIE['estore_u_c_id'];

$user_cookie_email = $_COOKIE['estore_u_c_email'];

$user_cookie_pass = $_COOKIE['estore_u_c_pass'];

$user_cookie_id = mysqli_real_escape_string($connection, $user_cookie_id);

$user_cookie_email = mysqli_real_escape_string($connection, $user_cookie_email);

$user_cookie_pass = mysqli_real_escape_string($connection, $user_cookie_pass);
```

```
$check_user_query = "SELECT * FROM users WHERE user_email = '$user_cookie_email'";

$check_user_result = mysqli_query($connection, $check_user_query);

$check_user_count = mysqli_num_rows($check_user_result);

if($check_user_count >= 1){

while($row = mysqli_fetch_assoc($check_user_result)){

$db_user_id = $row['user_id'];

$db_user_name = $row['user_name'];

$db_user_email = $row['user_email'];

$db_user_pass = $row['user_pass'];

if($db_user_email == $user_cookie_email && $db_user_pass == $user_cookie_pass){

$_SESSION['login_user_id'] = $db_user_id;

}else{

echo "<script>alert('Incorrect password in cookie. You may changed your password. Please try again with new password.');</script>";

setcookie("estore_u_c_id", "", time()-3600, "/");

setcookie("estore_u_c_email", "", time()-3600, "/");

setcookie("estore_u_c_pass", "", time()-3600, "/");

unset($_COOKIE['estore_u_c_id']);

unset($_COOKIE['estore_u_c_email']);

unset($_COOKIE['estore_u_c_pass']);

}

}
```

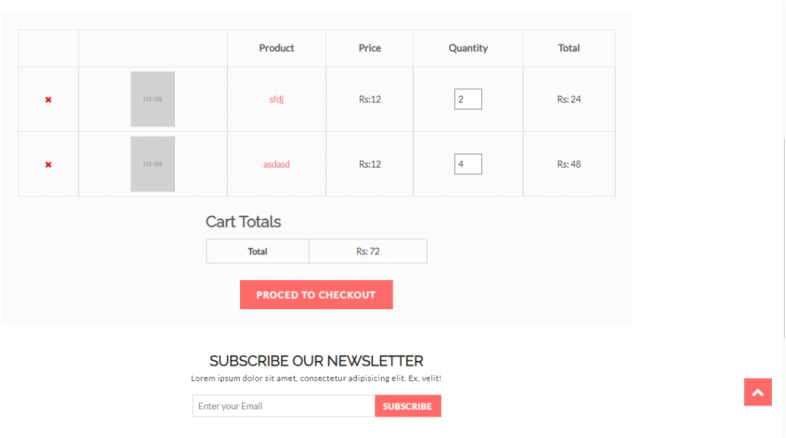
```
}else{
echo "<script>alert('There is no user with $user_cookie_email');</script>";
setcookie("estore_u_c_id", "", time()-3600, "/");
setcookie("estore_u_c_email", "", time()-3600, "/");
setcookie("estore_u_c_pass", "", time()-3600, "/");
unset($_COOKIE['estore_u_c_id']);
unset($_COOKIE['estore_u_c_email']);
unset($_COOKIE['estore_u_c_pass']);
}
}
}
if(isset($_SESSION['login_user_id'])){
$db_user_id = $_SESSION['login_user_id'];
} }
function alertBox($msg)  echo "<script>alert('$msg');</script>";   }   ?>
```

9. SCREEN SHOT

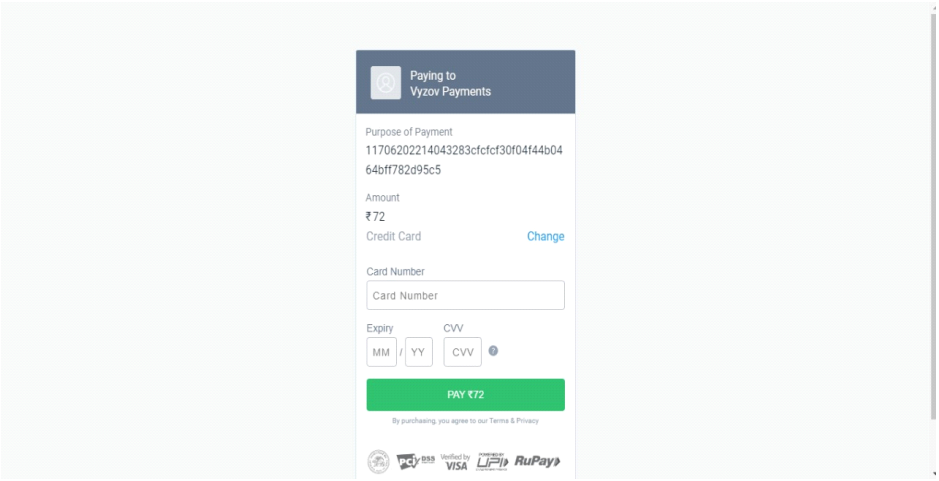
Index page

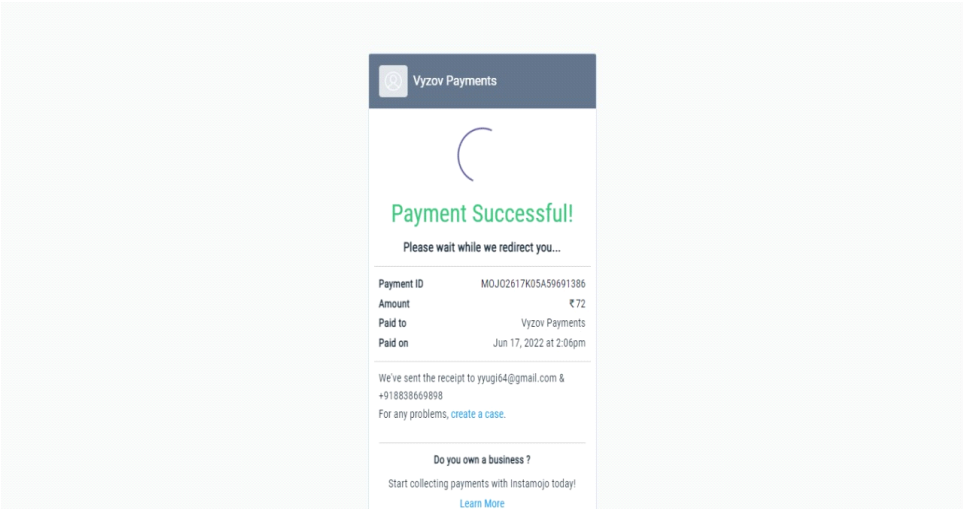


Cart

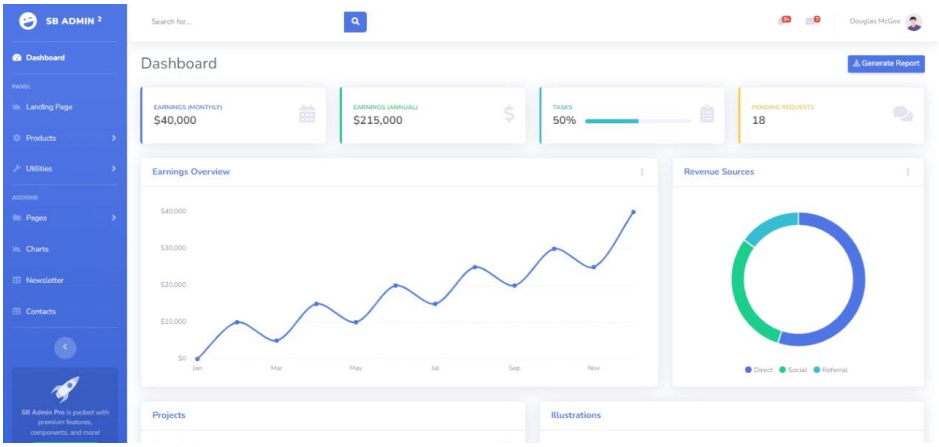


Payment gateway





Admin panel


SB ADMIN 2
Search for...
Douglas McGee
Dashboard
Generate Report
Dashboard
Landing Page
Products
Utilities
Pages
Charts
Newsletter
Contacts
EARNINGS (MONTHLY)
$40,000
EARNINGS (ANNUAL)
$215,000
TASKS
50%
PENDING REQUESTS
18
Earnings Overview
Revenue Sources
$40,000
$30,000
$20,000
$10,000
$0
Jan
Mar
May
Jul
Sep
Nov
Direct
Social
Referral
Projects
Illustrations

10. COST ESTIMATION

MATERIAL	**COST**	**TOTAL**
BROWSING	500	2000
TRAINING	500	2000
REPORT PREPARATION	250	1000
	TOTAL	5000

11. CONCLUSION

E-Commerce has undeniably become an important part of our society. The successful companies of the future will be those that take E-Commerce seriously, dedicating sufficient resources to its development. E-Commerce is not an IT issue but a whole business undertaking. Companies that use it as a reason for completely re-designing their business processes are likely to reap the greatest benefits. Moreover, E-Commerce is a helpful technology that gives the consumer access to business and companies all over the world. .

12. BIBLIOGRAPHY

1. Dr. C. S. Rayudu, “E-commerce & E-Business.”HimalayaPublishing House.
2. D.S. Yadhav, “Foundation of Information Technology.” NewAge International Publishers, New Delhi.
3. Harari liat and Dalit Tzafrur: “electronic commerce.”
4. C.B.Memoria,”Personnel management.” Himalaya publishing,1988.
5. Chatterjee N.N. “Management of principles in Indiaenterprises.” Agency culcutta, 1980.
6. C.B. Memoria: “Industrial organization,” Jain Brothers,Jodhpur, 1977.
7. Parag Diwan and Sunil sharma: “Electronic commerce Amanagers Guide to E-Business” Vanity Books International, New Delhi.
8. Timmers. P. “Electronic commerce: Strategies and models forBusiness to Business Trading” New Yark: John Wiley and sonsInc. 2000.
9. Devis and keith A : “Human behaviour at work : organization behavior” M.C. Grew Hill Publshing 1989.
10. D. Amarchand, B. Varadharajan. “An Introduction tomarketing.” Vikas publications, New Delhi, 1983.

13. USER MANUAL

- Open B2C Ecommerce Website.
- Login to B2C Ecommerce.
- Search the products you want to buy (eg: T-shirt and pant)
- Click Add to Cart the products you want to buy.
- And choose Address option for delivery.
- Click on “Buy now” option to buy the products and it will directs you to Payment Gateway either by Payment Online or Pay on delivery.
- After Payment you will able to see “Your order has been placed” and delivery tracking logistics.