

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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A Mini Project Report
on

“Online Shopping”

Submitted in partial fulfillment of the requirements for the VII semester,
Bachelor of Engineering

Web Technology Laboratory with Mini Project
in

Information Science and Engineering

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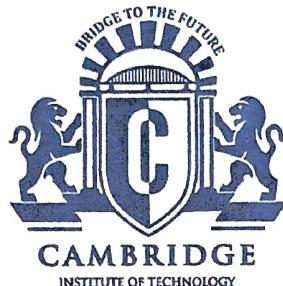
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CERTIFICATE

Certified that **Mr. Bishwajit Shaw, Ms. Sankitha P R and Ms. Tejashree K R** bearing USN respectively are bona fide students of Cambridge Institute of Technology, has successfully completed Web Technology Mini Project Work entitled "**Online Shopping**" in partial fulfillment of VII semester Web Technology, Information Science and Engineering of Visvesvaraya Technological University, Belagavi during academic year 2020 – 2021. It is certified that all corrections/ suggestion indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini Project report has been approved as it satisfies the academic requirements in respect of Mini Project Work prescribed for the VII Semester Web Technology Laboratory.

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DECLARATION

We, Mr. Bishwajit Shaw, Ms. Sankitha P R and Ms. Tejasree K R students of VII semester B.E., Information Science and Engineering, Cambridge Institute of Technology, hereby declare that the Mini Project report entitled "**Online Shopping**" has been carried out by us and submitted in partial fulfillment of the course requirements of VII Semester in **Information Science and Engineering** as prescribed by **Visvesvaraya Technological University, Belagavi**, during the academic year 2020 – 2021.

We also declare that, to the best of our knowledge and belief, the work reported here does not form part of any other report on the basis of which a degree or award was conferred on an earlier occasion on this by any other student.

BISHWAJIT SHAW

SANKITHA P R

TEJASHREE K R

Date:

Place: Bengaluru

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ABSTRACT

This is a small scale project for Online shopping system. The basic idea is that customers can buy products using online. The administrator can enter the name and password and can create an account and then generate the receipt of the products purchased. The Online Shopping system enables vendors to set up online shops, customers to browse through the shops, and a system administrator to approve and reject requests for new shops and maintain lists of shop categories. Also on the agenda is designing an online shopping site to manage the items in the shop and also help customers purchase them online without having to visit the shop physically. Our online shopping mall will use the internet as the sole method for selling goods to its consumers. Shopping will be highly personalized and the mall will provide lower prices than most competitors. It is an online store that enables website owners to sell their product online. It is a web shopping cart that web enables the day-day sales functions. It includes product and customer management modules. This website will be useful to anyone who wants to purchase items using internet.

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CHAPTER 1

INTRODUCTION

HTML

Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript, it forms a triad of cornerstone technologies for the World Wide Web.

HTML elements are the basic building blocks of the 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 can embed programs written in a scripting language such as JavaScript, which affects the behavior and content of web pages. The World Wide Web Consortium (W3C) maintains the standards for both HTML and CSS.

CSS

Cascading Style Sheets (CSS) is a simple mechanism for adding style (e.g., fonts, colors, and spacing) to Web Documents.

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, and reduce complexity and repetition in the structural content.

JAVASCRIPT

JavaScript often abbreviated as JS is a high-level, interpreted programming language. It is a language which is also characterized as dynamic, weakly-typed, prototype-based and multi paradigm. It supports event-driven, and imperative (including object-oriented and prototype based) programming styles.

It has an API for working with text, arrays, dates, regular expression, and basic manipulation of the DOM. JavaScript enables interactive web pages and thus is essential part of web applications. The vast majority of websites use it, and all major web browsers have a dedicated JavaScript engine to execute it.

PHP

PHP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML. Instead of lot of commands to output HTML (as seen in C or Perl),

PHP pages contain HTML with embedded code that does “something”. The PHP code is enclosed in special start and end processing instruction <?php and?> that allow you to jump into and out of “PHP mode”.

The difference between something like client-side JavaScript is that the code is executed on the server, generating HTML which is sent to the client. The client would receive the results of running that script. The best things in using PHP are that it is extremely simple for a newcomer, but offers many advanced features for a professional programmer.

INTRODUCTION TO PROJECT

The main objective of the project is to maintain the details of the books, users and question papers. The purpose this project is to build an application program to reduce the manual work for managing the sales of books. It tracks all the details about the users. Provides the searching facilities based on various factors such as users, books, authors. Shows the information and description of books. Editing, adding and updating of records is improved which results in proper resource management of books data. The registered user can access the account with valid credentials.

CHAPTER 2

REQUIREMENT ANALYSIS

As the goal of the application is ease of use and to provide an interactive interface, extensive research has been done to gain an insight into the needs and behaviors of various users. The working of the application is made convenient and easy to use for the end user.

Users can be classified into two types based on their knowledge of the products that suit their needs. They can be classified as users who know about the product that would satisfy their needs and users who have to figure out the product that would satisfy their needs. Users who know about the product should be able to find the product easily with the click of a button. Such users can search for the product by using the product name as the search term. Users who have to figure out the product that would satisfy their needs could use a search term to find a list of products and then should be able to filter the results based on various parameters like product type, manufacturer, price range, platform supported etc.

The users should be able to view the complete specification of the product and various images at different Zoom levels. The user should be able to read the customer reviews for the product and the ratings provided. They should be able to write their own reviews. They should be able to print out the specifications for a product or email the product page to a friend's etc.

To increase the ease of use the user should be able to add a product to the shopping cart by dragging a product and dropping it in the shopping cart. A user should be able to edit the contents of a shopping cart. They should be able to update the quantities of the products added to the cart and remove the products from the cart. The user should be able to remove the product from the shopping cart by dragging the product and dropping it outside the cart.

CHAPTER 3

SOFTWARE REQUIREMENT AND SPECIFICATION

Hardware Specifications

Computer Processor	Core i3 processor
Processor Speed	2 GHz Processor
Hard Disk	500GB
RAM	4 GB

Software Specifications

Operating System	Windows 10
Client-Side Languages	HTML, CSS, JavaScript
Server-Side Languages	PHP
Development IDE	Xampp
Browser used for Development	Google Chrome
Servers	Apache Tomcat, MySQL
Documentation	Microsoft Office 2013

CHAPTER 4**ANALYSIS AND DESIGN****4.1 Table Structures****User_info**

Attributes	Data type	Description
user_id	int	Customer Id
first_name	varchar	First Name of user
last_name	varchar	Last name of user
email	varchar	Email of the user
mobile	varchar	Mobile number of the user

4.2 Database Implementation

```
CREATE TABLE `user_info`(`user_id` int(10) NOT NULL, `first_name` varchar(100) NOT NULL, `last_name` varchar(100) NOT NULL, `email` varchar(300) NOT NULL, `password` varchar(300) NOT NULL, `mobile` varchar(10) NOT NULL, `address1` varchar(300) NOT NULL, `address2` varchar(11) NOT NULL) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

CHAPTER 5**IMPLEMENTATION****Source Code****Login Page**

```
<?php
include "db.php";
session_start();
we will echo string login_success
if(isset($_POST["email"]) && isset($_POST["password"])){
    $email = mysqli_real_escape_string($con,$_POST["email"]);
    $password = $_POST["password"];
    $sql = "SELECT * FROM user_info WHERE email = '$email' AND password =
'$password'";
    $run_query = mysqli_query($con,$sql);
    $count = mysqli_num_rows($run_query);
    $row = mysqli_fetch_array($run_query);
    $_SESSION["uid"] = $row["user_id"];
    $_SESSION["name"] = $row["first_name"];
    $ip_add = getenv("REMOTE_ADDR");
    if($count == 1)
    {
        if (isset($_COOKIE["product_list"])) {
            $p_list = stripslashes($_COOKIE["product_list"]);
            $product_list = json_decode($p_list,true);
            for ($i=0; $i < count($product_list); $i++) {
                //After getting user id from database here we are
                checking user cart item if there is already product is listed or not
                $verify_cart = "SELECT id FROM cart WHERE
user_id = $_SESSION[uid] AND p_id = ".$product_list[$i];
                $result = mysqli_query($con,$verify_cart);
                if(mysqli_num_rows($result) < 1)
                {

```

```
$update_cart = "UPDATE cart SET user_id = '$_SESSION[uid]' WHERE ip_add = '$ip_add' AND user_id = -1";
    mysqli_query($con,$update_cart);
} else {
    //if already that product is available into
    database table we will delete that record
    $delete_existing_product = "DELETE FROM
    cart WHERE user_id = -1 AND ip_add = '$ip_add' AND p_id = ".$product_list[$i];
    mysqli_query($con,$delete_existing_product);
}
//here we are destroying user cookie
setcookie("product_list","",strtotime("-1 day"),"/");
//if user is logging from after cart page we will send cart_login
echo "cart_login";
exit();
}
//if user is login from page we will send login_success
echo "login_success";
$BackToMyPage = $_SERVER['HTTP_REFERER'];
if(!isset($BackToMyPage)) {
    header('Location: '.$BackToMyPage);
    echo "<script type='text/javascript'>
    </script>";
} else {
    header('Location: index.php'); // default page
}
exit;
} else{
    $email = mysqli_real_escape_string($con,$_POST["email"]);
    $password = md5($_POST["password"]);
    $sql = "SELECT * FROM admin_info WHERE admin_email = '$email'
    AND admin_password = '$password'";
    $run_query = mysqli_query($con,$sql);
```

```
$count = mysqli_num_rows($run_query);

//if user record is available in database then $count will be equal to 1
if($count == 1){

    $row = mysqli_fetch_array($run_query);
    $_SESSION["uid"] = $row["admin_id"];
    $_SESSION["name"] = $row["admin_name"];
    $ip_add = getenv("REMOTE_ADDR");
    //we have created a cookie in login_form.php page so if that cookie is
available means user is not login

    //if user is login from page we will send login_success
    echo "login_success";

    echo "<script> location.href='admin/add_product.php'; </script>";
    exit;

} else{
    echo "<span style='color:red;'>Please register before login..!</span>";
    exit();
}

}
?>
```

Index Page

```
<?php
include "header.php";

include "body.php";
include "newslettter.php";
include "footer.php";
?>
```

CHAPTER 6**TESTING**

System testing is the stage of implementation, which is aimed at ensuring that the system works accurately and efficiently before live operation commences. Testing is vital to the success of the system. Testing is the process of executing a program with the explicit intention of finding errors that is making the program fail. The tester may analysts, programmer or a specialist trained for software testing, is actually trying to make the program fail. Analysts know that an effective testing program does not guarantee system reliability. Therefore, reliability must be designed into the system.

Description	Input	Expected output	Actual output	Remarks
Login	Login details	Logged in successfully	Logged in successfully	Pass
Login	Wrong login password or Username	Login unsuccessful	Login unsuccessful	Fail

Table 6.1: Login

Description	Input	Expected output	Actual output	Remarks
Submit user Register	Details of the user	Prompt the user after insertion.	Alert Observed	Pass

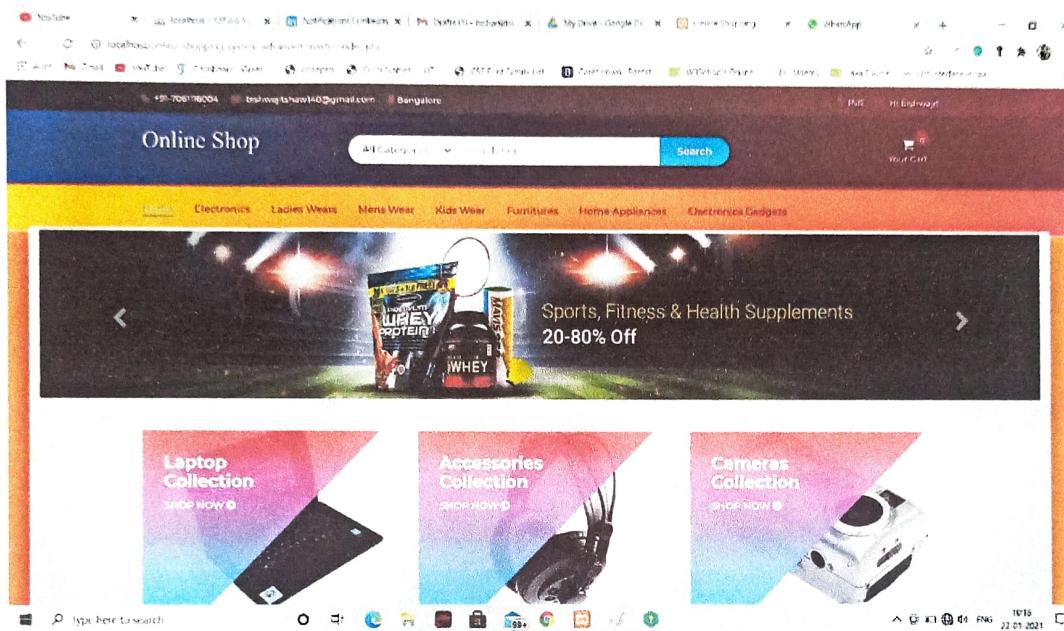
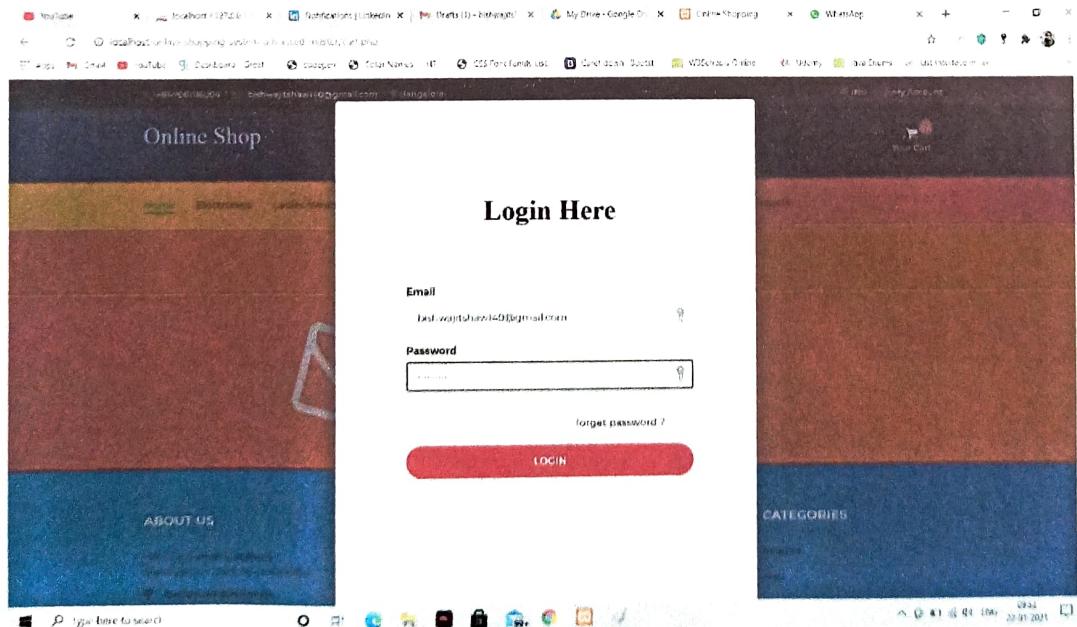
Table 6.2: User Registration

Description	Input	Expected output	Actual output	Remarks
Details of the order	Order processing	Order delivery	Order delivery	Pass

Table 6.3: Order Details

Description	Input	Expected output	Actual output	Remarks
Update or Add new product	Title, Description, Image and Price	Displaying in the table	Displaying in the table	Pass

Table 6.4: Product Status

CHAPTER 7**SCREENSHOTS****Figure 7.1: Home Page****Figure 7.2: Login Page**

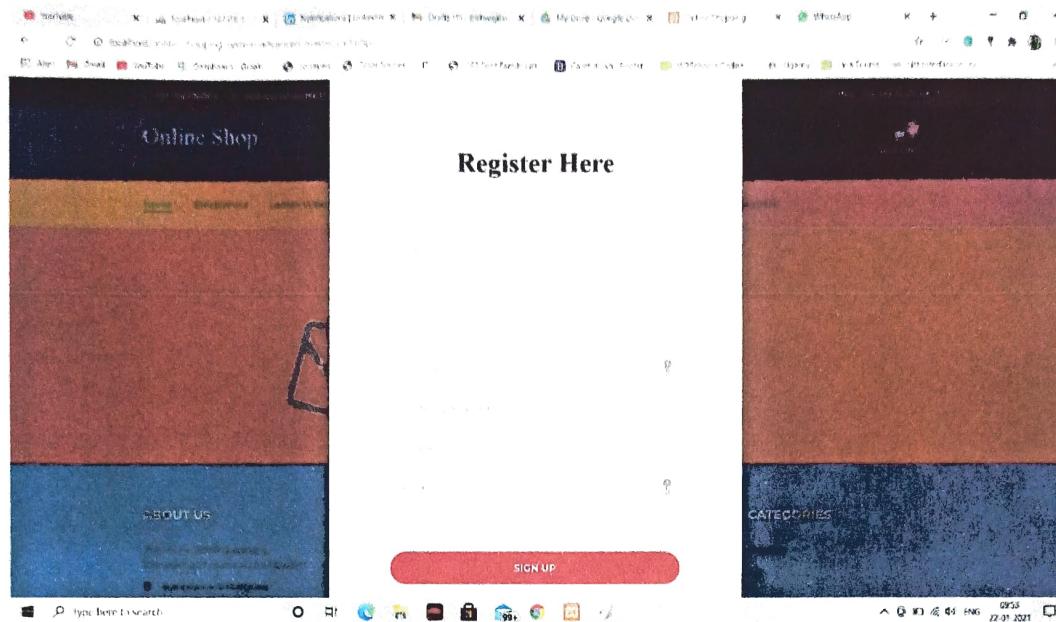


Figure 7.3 Register Page

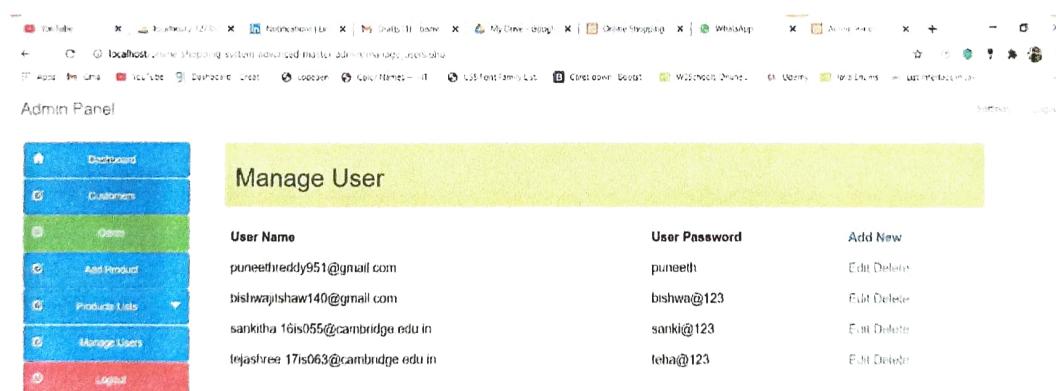


Figure 7.4: User

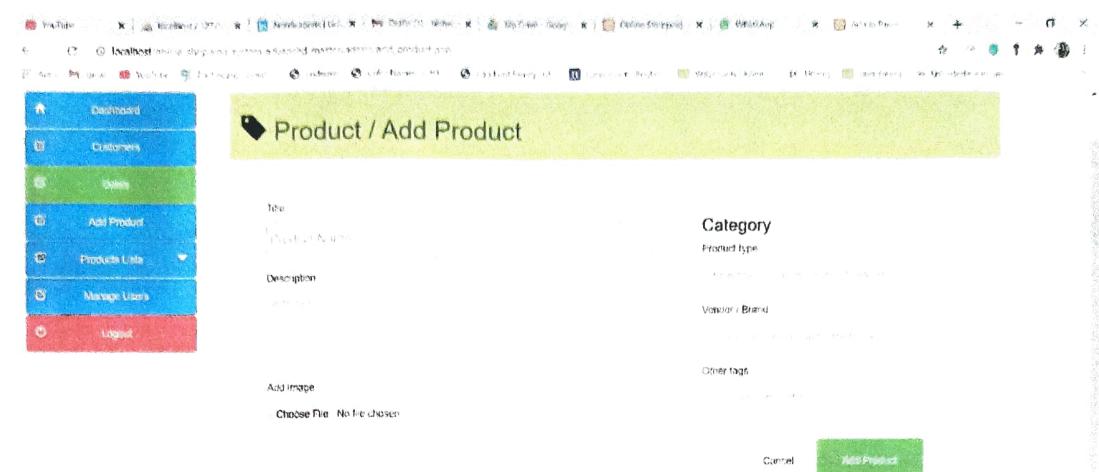


Figure 7.5: Add Product

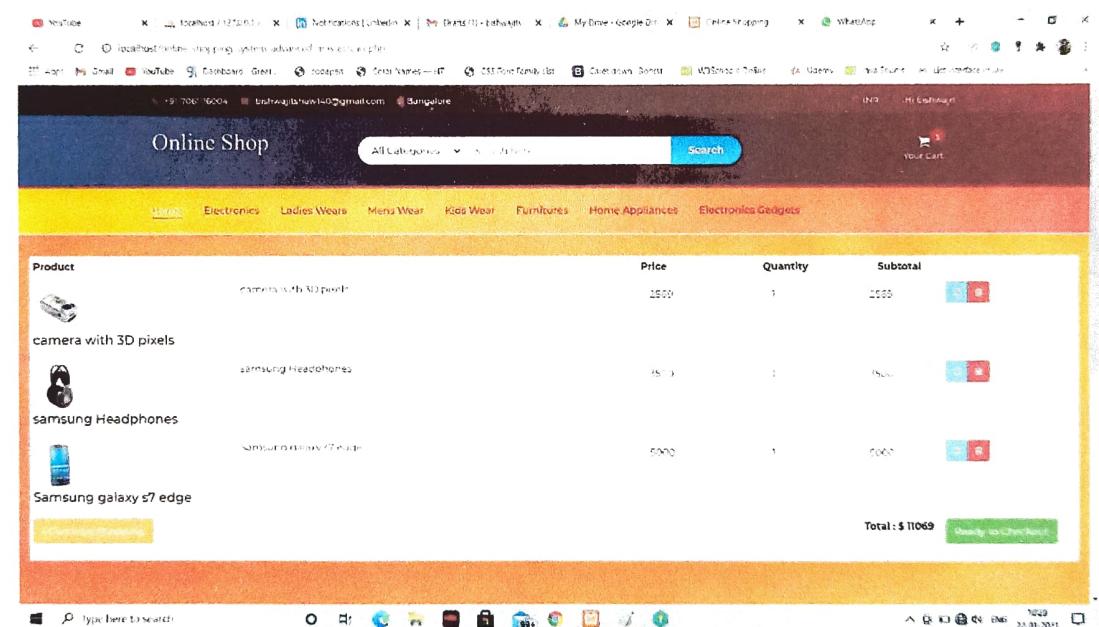


Figure 7.6: Cart

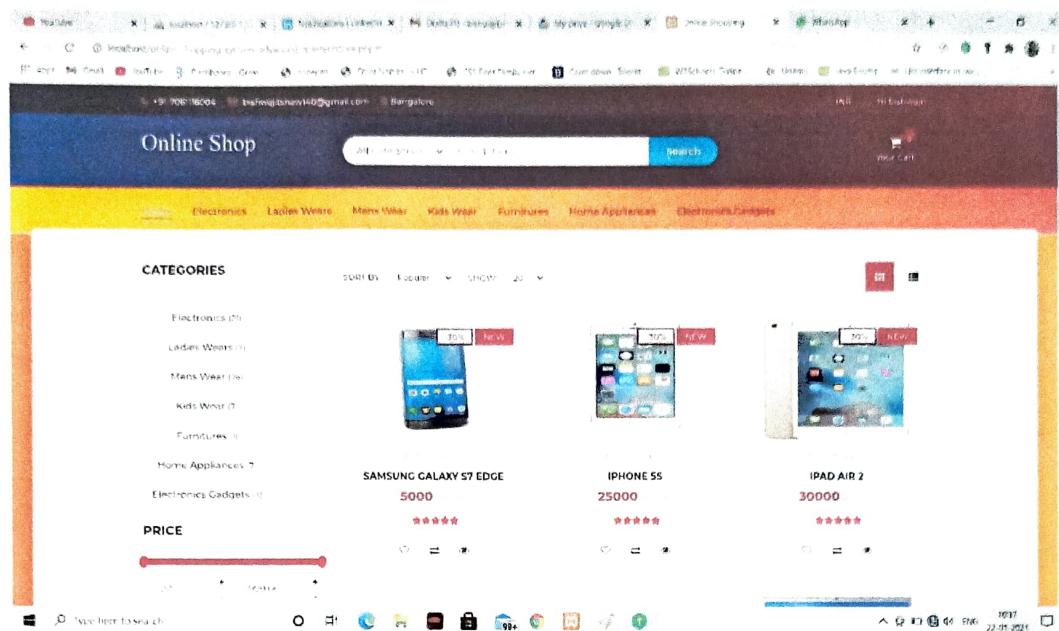


Figure 7.7: Store

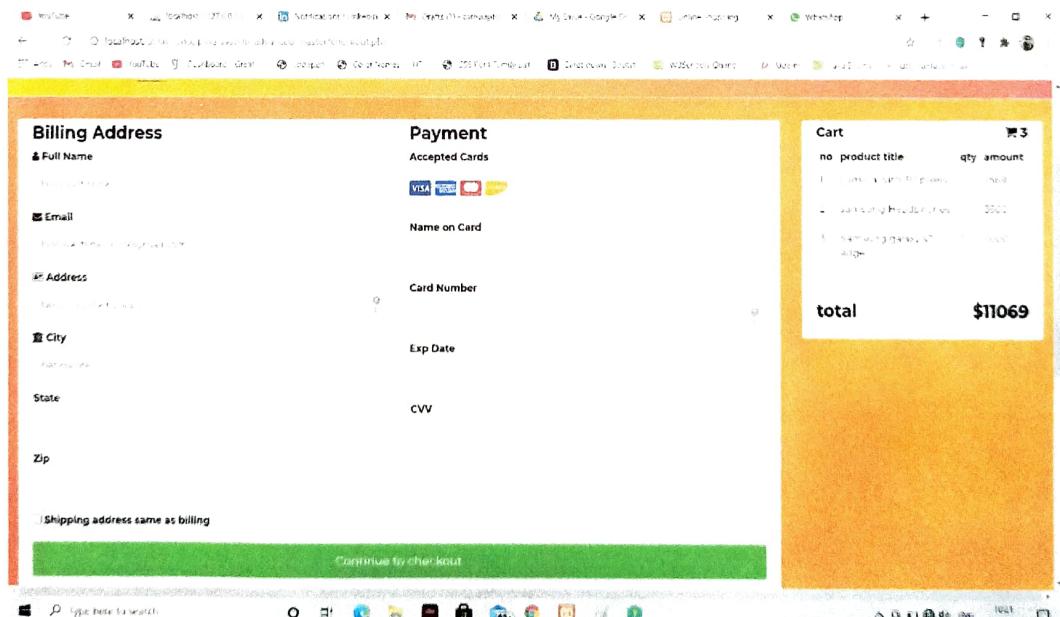


Figure 7.8: Checkout

CONCLUSION

The following Conclusions can be deduced from the project:

1. It provides friendly Graphical user interface which proves to be better when compared to the existing System.
2. It effectively overcomes the delay of communications.
3. Updating the information becomes so easier.
4. System has adequate scope for modification in future if necessary.