MINI PROJECT REPORT

On

ONLINE SHOPPING WEBSITE

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Declaration

We hereby declare that the work which is being presented in the Mini Project "**Online Shopping Website",** in partial fulfillment of the requirements for Mini Project viva voce, is an authentic record of my own work carried under the supervision of "**Mr. Pankaj Kapoor**".

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Abstract

An online shopping system that permits a customer to submit online orders for items and/or services from a store that serves both walk-in customers and online customers. The online shopping system presents an online display of an order cut off time and an associated delivery window for items selected by the customer. The system accepts the customer's submission of a purchase order for the item in response to a time of submission being before the order cut off time. The online shopping system does not settle with a credit supplier of the customer until the item selected by the customer is picked from inventory but before it is delivered. Therefore, the customer can go online and make changes to the order. In addition, available service windows are presented to the customer as a function of customer selected order and service types and further, the order picking is assigned in accordance with a picker's preference. When ordering goods, many shopping systems provide a virtual shopping cart for holding items selected for purchase. Successive items selected for purchase are placed into the virtual shopping cart until a customer completes their shopping trip. Virtual shopping carts may be examined at any time, and their contents can be edited or deleted at the option of the customer. Once the customer decides to submit a purchase order, the customer may print the contents of the virtual shopping basket in order to obtain a hard copy record of the transaction.

CONTENTS

CHAPTER 1

Introduction

1.1 Motivation

The main objective of Online Shopping Website is to automate the existing manual system with the help of advanced computerized software. So, that valuable data can be stored for longer period with easy accessing and manipulation of the same. Usually people have to go to market and purchase the products and they have to wait in queue for a long time to get the products. But with the help of this, you just have to follow a very simple process to order your products. And you need not to wait in the long queue.

1.2 Objective

Online Shopping is the process whereby customers directly buy goods and services without any intermediary service over the internet. The goal of the ApniDukan Online Shopping website is to develop a web based interface for people who like online shopping. It would be easy to use and hence the shopping experience pleasant for the users. The main goal of this website is:

1. To develop an easy to use web based interface where students can search for products (electronics), view a complete description of the product and order the product.
2. User can buy products from anywhere.
3. User can login and add items in their cart for further purchase.

1.3 What is E-Commerce?

'E-commerce' and 'online shopping' are often used interchangeably but at its core e-commerce is much broader than this – it embodies a concept for doing business online, incorporating a multitude of different services e.g. making online payments, booking flights etc. E-commerce has experienced rapid growth since its humble beginnings with e-commerce sales projected to grow to 434.2 billion USD by 2017. The power of e-commerce should not be underestimated as it continues to pervade everyday life and present significant opportunity for small, medium and large businesses and online investors.

1.4 Why Do People Buy Online?

Websites, consumers have more transparency with regard to prices 1. Lower Prices: Managing an online storefront is far cheaper than an offline, brick and

Mortar store. Typically less staff are required to manage an online shop as web-based management systems enable owners to automate inventory management and warehousing is not necessarily required .As such, e-commerce business owners **can** afford to pass operational cost savings on to consumers (in the form of product or service discounts) whilst protecting their overall margin. Furthermore, with the rise of price comparison and are able to shop around, typically purchasing from online outlets instead.

2. Accessibility and Convenience: Unlike many offline stores, consumers can access e-commerce websites 24 hours a day. Customers can read about services, browse products and place orders whenever they wish. In that sense, online shopping is extremely convenient and gives the consumer more control. Furthermore, those living in more remote areas are able to order from their home at a touch of a button, saving them time travelling to a shopping centre.

3. Wider Choice: For the past twenty years, the growth of online shopping has to a large extent been based around increased choice. With an almost endless choice of brands and products to choose from, consumers are not limited by the availability of specific products in their local town, city or country. Items can be sourced and shipped globally. Interestingly, one recent study found that consumers are actually starting to become frustrated by e-commerce sites that offer too much choice. Whichever way you look at it though, more choice has likely been a good thing over the long term.

1.5 What is Web Development?

Web development is the work involved in developing a web site for the Internet (World Wide Web) or an intranet (a private network). Web development can range from developing a simple single static page of plain text to complex web-based internet applications (web apps), electronic businesses, and social network services. A more comprehensive list of tasks to which web development commonly refers, may include web engineering, web design, web content development, client liaison, client-side/server-side scripting, webserver and network configuration

Among web professionals, "web development" usually refers to the main non-design aspects of building web sites: writing markup and coding. Web development may use content management systems (CMS) to make content changes easier and available with basic technical skills.

For larger organizations and businesses, web development teams can consist of hundreds of people (web developers) and follow standard methods like Agile methodologies while developing websites. Smaller organizations may only require a single permanent or contracting developer, or secondary assignment to related job positions such as a graphic designer or information systems technician. Web development may be a collaborative effort between departments rather than the domain of a designated department. There are three kinds of web developer specialization: front-end developer, back-end developer, and full-stack developer.

1.6 What is Website?

A **website** or **web site** is a collection of related network web resources, such as web pages, multimedia content, which are typically identified with a common domain name, and published on at least one web server. Notable examples are wikipedia.org, google.com, and amazon.com.

Websites can be accessed via a public Internet Protocol (IP) network, such as the Internet, or a private local area network (LAN), by a uniform resource locator (URL) that identifies the site.

Websites can have many functions and can be used in various fashions; a website can be a personal website, a corporate website for a company, a government website, an organization website, etc. Websites are typically dedicated to a particular topic or purpose, ranging from entertainment and social networking to providing news and education. All publicly accessible websites collectively constitute the World Wide Web, while private websites, such as a company's website for its employees, are typically part of an intranet.

1.7 What is Webpage?

A web page is a document that is suitable to act as a web resource on the World Wide Web. In order to graphically display a web page, a web browser is needed. This is a type of software that can retrieve web pages from the Internet. When accessed by a web browser it may be displayed as a web page on a monitor or mobile device. Typical web pages are hypertext documents which contain hyperlinks, often referred to as *links*, for browsing to other web pages.

The term web page usually refers to what is visible, but may also refer to the contents of the source code itself, which is usually a text file containing hypertext written in HTML or a comparable markup language. Most current web browsers include the ability to view the source code. Web browsers will frequently have to access multiple web resource elements, such as style sheets, scripts, and images, while presenting each web page.

CHAPTER 2

Software Requirement

2.1 Problem Statement

“Make an e-commerce website using html, css, php, javascript, jquery, mysql and bootstrap”. The purpose of this e-commerce website is to help customers narrow down their broad ideas and enable them to finalize the products they want to purchase.

2.2 Technologies used

1. **HTML:** Hypertext Markup Language (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.

   General Syntax of HTML:

   ```
   <! DOCTYPE html>
   <html>
   <head>
   <title>Page Title</title>
   </head>
   <body>

   <h1>My First Heading</h1>
   <p>My first paragraph.</p>

   </body>
   </html>
   ```

2. **CSS:** Cascading Style Sheets **(**CSS**)** is a style-sheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG, Math-ML or XHTML). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.

   CSS is one of the core languages of the open Web and is standardized across Web browsers according to the W3C specification. Developed in levels, CSS1 is now obsolete, CSS2.1 is a recommendation, and CSS3, now split into smaller modules, is progressing on the standardization track.

Types of CSS:

2.1 Inline CSS: It will affect only single elements. In HTML we require that various HTML tag's views are different so then we use inline Cascading Style Sheets. There are disadvantage of inline Cascading Style Sheets. It must be specified on every HTML tag. There is a lot of time consumed by that and it is not the best practice for a good programmer and the code will be quite large and very complex.

2.2 Internal CSS: In internal CSS the style of CSS is specified in the <head> section. This is internal CSS, it affects all the elements in the body section. Internal CSS is used in the condition when we want a style to be used in the complete HTML body. For that we can use style in the head tag.

2.3 External CSS: In External CSS we create a .css file and use it in our HTML page as per our requirements. Generally external Cascading Style Sheets are used whenever we have many HTML attributes and we can use them as required; there is no need to rewrite the CSS style again and again in a complete body of HTML that inherits the property of the CSS file. There are two ways to create a CSS file. The first is to write the CSS code in Notepad and save it as a .css file, the second one is to directly add the style sheet in our Solution Explorer and direct Visual Studio to use it on our HTML page.

4. **JavaScript:** JavaScript **(**JS**)** is a lightweight, interpreted, or just-in-time compiled programming language with first-class functions. While it is

most well-known as the scripting language for Web pages, many non-browser environments also use it, such as Node.js, Apache Couch-DB and Adobe Acrobat. JavaScript is a prototype-based, multi-paradigm, single-threaded, dynamic language, supporting object-oriented, imperative, and declarative (e.g. functional programming) styles.

5. **PHP:** PHP (recursive acronym for PHP: Hypertext Pre-processor) 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 lots of commands to output HTML (as seen in C or Perl), PHP pages contain HTML with embedded code that does "something" (in this case, output "Hi, I'm a PHP script!"). The PHP code is enclosed in special start and end processing instructions <? php and ?> that allow you to jump into and out of "PHP mode. "What distinguishes PHP from something like client-side JavaScript is that the code is executed on the server, generating HTML which is then sent to the client. The client would receive the results of running that script, but would not know what the underlying code was. You can even configure your web server to process all your HTML files with PHP, and then there's really no way that users can tell what you have up your sleeve. The best things in using PHP are that it is extremely simple for a newcomer, but offers many advanced features for a professional programmer.
6. **Database:** A database is an organized collection of structured information, or data, typically stored electronically in a computer system. A database is usually controlled by a database management system (DBMS). Together, the data and the DBMS, along with the applications that are associated with them, are referred to as a database system, often shortened to just database. Data within the most common types of databases in operation today is typically modeled in rows and columns in a series of tables to make processing and data querying efficient. The data can then be easily accessed, managed, modified, updated, controlled, and organized. Most databases use structured query language (SQL) for writing and querying data.

MySQL: MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company. MySQL is released under an open-source license. So you have nothing to pay to use it. MySQL is a very powerful program in its own right. It handles a large subset of the functionality of the most expensive and powerful database packages. MySQL uses a standard form of the well-known SQL data language. MySQL works on many operating systems and with many languages including PHP, PERL, C, C++, JAVA, etc. MySQL works very quickly and works well even with large data sets. MySQL is very friendly to PHP, the most appreciated language for web development. MySQL supports large databases, up to 50 million rows or more in a table. The default file size limit for a table is 4GB, but you can increase this (if your operating system can handle it) to a theoretical limit of 8 million terabytes (TB).MySQL is customizable. The open-source GPL license allows programmers to modify the MySQL software to fit their own specific environments.

7. **Bootstrap:** 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. Bootstrap is the third-most-starred project on Git-Hub, with more than 135,000 stars, behind only free Code Camp (almost 305,000 stars) and marginally behind Vue.js framework. According to Alexa Rank, Bootstrap getbootstrap.com is in the top-2000 in US while vuejs.org is in top-7000 in US. Bootstrap, originally named Twitter Blueprint, was developed by Mark Otto and Jacob Thornton at Twitter as a framework to encourage consistency across internal tools. Before Bootstrap, various libraries were used for interface development, which led to inconsistencies and a high maintenance burden.

8. **JQuery:** JQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers. With a combination of versatility

and extensibility, jQuery has changed the way that millions of people write JavaScript.

2.3 Software Used

2.3.1 Brackets (text-editor): It is a source code editor with a primary focus on web development. Created by Adobe Systems, it is free and open-source software licensed under the MIT License, and is currently maintained on Git-Hub by Adobe and other open-source developers. It is written in JavaScript, HTML and CSS. Brackets is cross-platform, available for mac-OS, Windows, and most Linux distributions. The main purpose of brackets is its live HTML, CSS and JavaScript editing functionality.

Adobe first started development of a text editor for web development on Edge Code, which was discontinued. This was later transformed into Adobe Brackets. With the release of Brackets 1.0, Adobe announced that the development of an open source software for web development was ready and was not an experimental project anymore. Brackets contains more than 282 community contributors and more than 400 requests for bug fixes and new features. Every version of Brackets has more than 100,000 downloads and stands to be 16th most popular project on Git-Hub.

2.3.2 Wamp Server: WampServer refers to a software stack for the Microsoft Windows operating system, created by Romain Bourdon and consisting of the Apache web server, OpenSSL for SSL support, MySQL database and PHP programming language. Instead of installing and testing WordPress on your hosting account, you can do it on your personal computer (localhost).WAMP acts like a virtual server on your computer. It allows you to test all WordPress features without any consequences since it’s localized on your machine and is not connected to the web.

CHAPTER 3

Software Design

3.1 DFD

A **data-flow diagram** (DFD) is a way of representing a flow of a data of a process or a system (usually an information system). The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow, there are no decision rules and no loops. Specific operations based on the data can be represented by a flowchart.

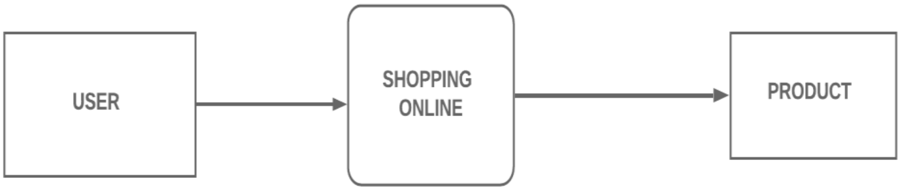


Fig No. 3.1 DFD LEVEL-0

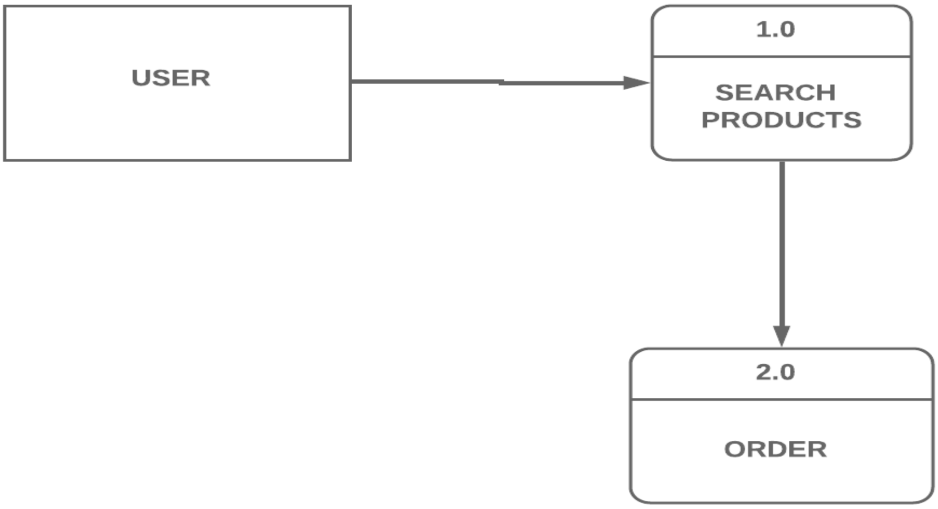


Fig No. 3.2 DFD LEVEL-1

3.2 ER-Diagram

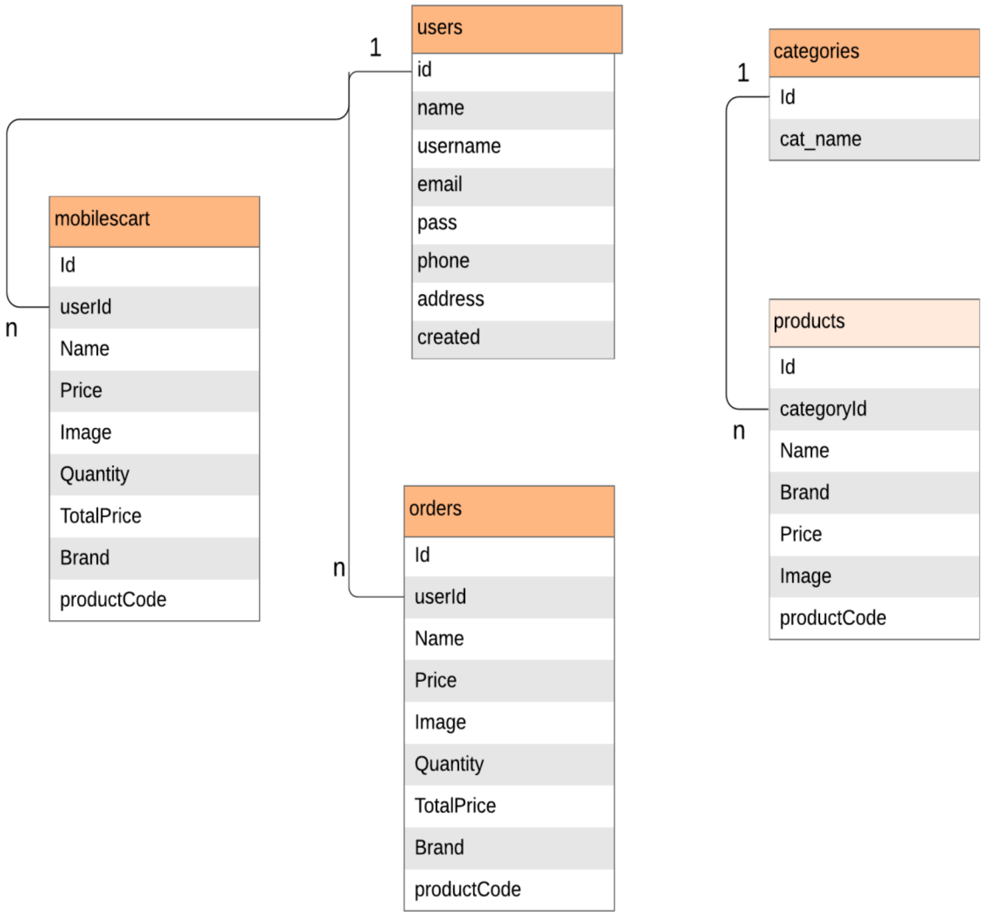


Fig No. 3.3 ER-Diagram

CHAPTER 4

Testing

4.1 Connecting Database

```
<?php
   $conn = new mysqli("localhost","root","","testing");
?>
```

4.2 Validating User

```
$('#login').click(function(e){
            if(document.getElementById('login-form').checkValidity())
               {
                  e.preventDefault();
                  $.ajax({
                     url:'actionregister.php',
                     method:'post',
                     data:$('#login-form').serialize()+'&action=login',
                     success:function(response)
                     {
                        if(response==='ok')
                           {
                              window.location='index.php';
                           }
                        $('#alert').show();
                        $('#result').html(response);
                     }

                  });
               }
            return true;
         });
```

4.3 Validating SignUp

```
$('#register').click(function(e){
            if(document.getElementById('register-form').checkValidity())
               {
                  e.preventDefault();
                  $.ajax({
                     url:'actionregister.php',
                     method:'post',
                     data:$('#register-form').serialize()+'&action=register',
                     success:function(response)
                     {
                        $('#alert').show();
                        $('#result').html(response);
                     }

                  });
               }
            return true;
         });
```

4.4 Session.php

```
<?php

   if(!isset($_SESSION))
   {session_start();}

require 'Include/config.php';

if(isset($_SESSION['username']))
{
   $user = $_SESSION['username'];
$stmt = $conn->prepare('SELECT * FROM users WHERE username = ?');
$stmt->bind_param('s',$user);
$stmt->execute();

$result = $stmt->get_result();

$row = $result->fetch_array(MYSQLI_ASSOC);

$username = $row['username'];
$name = $row['name'];
$email = $row['email'];
$savPhone = $row['phone'];
$savAddr = $row['address'];
$userId = $row['id'];
}
else
{
    $username = 'guest';
    $userid = 0;
}

?>
```

CHAPTER 5

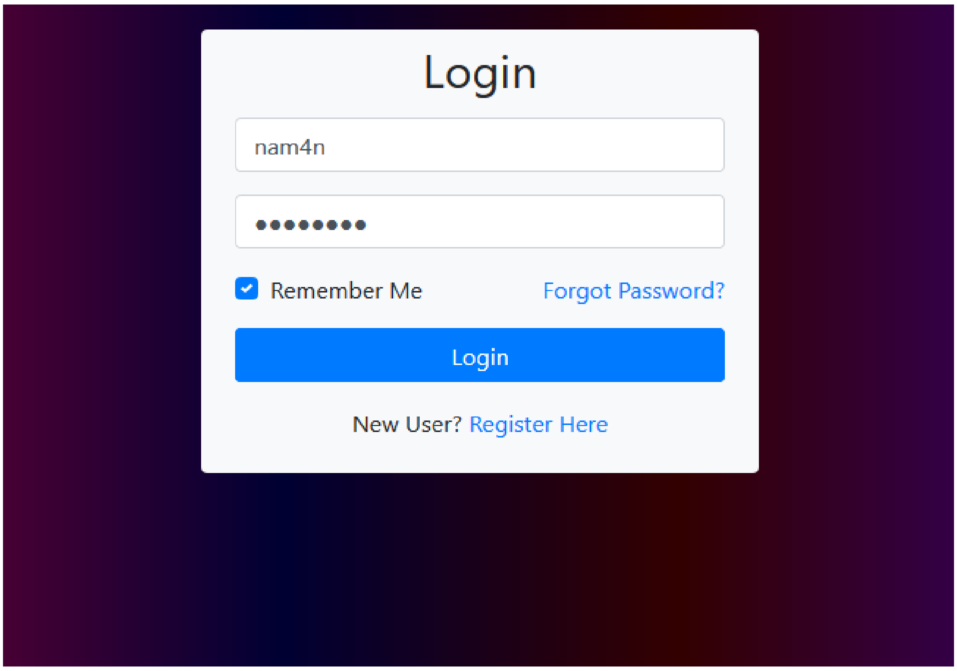
Implementation and User Interface

4.1 Web Page Details

1. Login Page
2. Home Page
3. Products Pages
4. Cart Page
5. Orders Page
6. Checkout Page
7. Contact Us Page
8. Register Page

4.2 Detailed Description of Pages

1. Login Page: Registered users can login and non-registered can register. They can reset the password in case they forgot their password.



Login

nam4n

••••••••

☑ Remember Me

Fig No. 4.1 Login Page

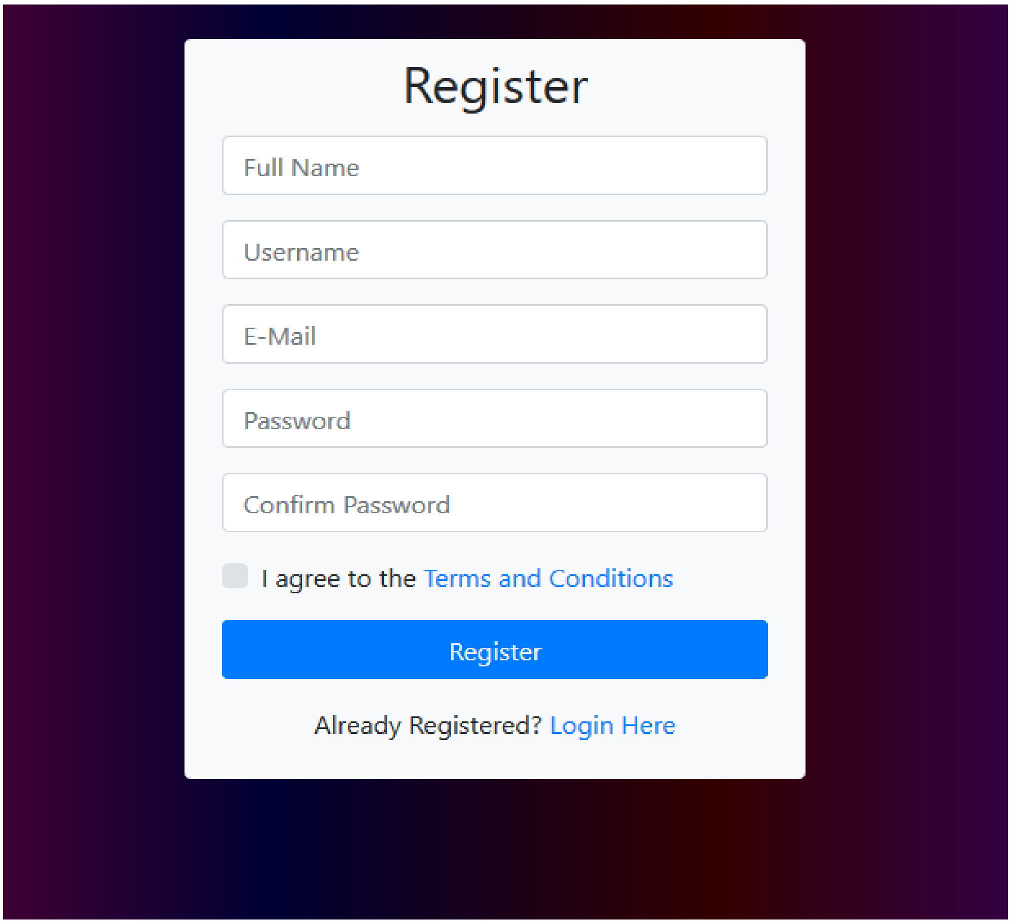

Register
Full Name
Username
E-Mail
Password
Confirm Password
□ I agree to the Terms and Conditions
Register
Already Registered? Login Here

Fig No. 4.2 Register Page

3. **Home Page:** The home screen consists of screen where one can browse through the products which we have on our website.

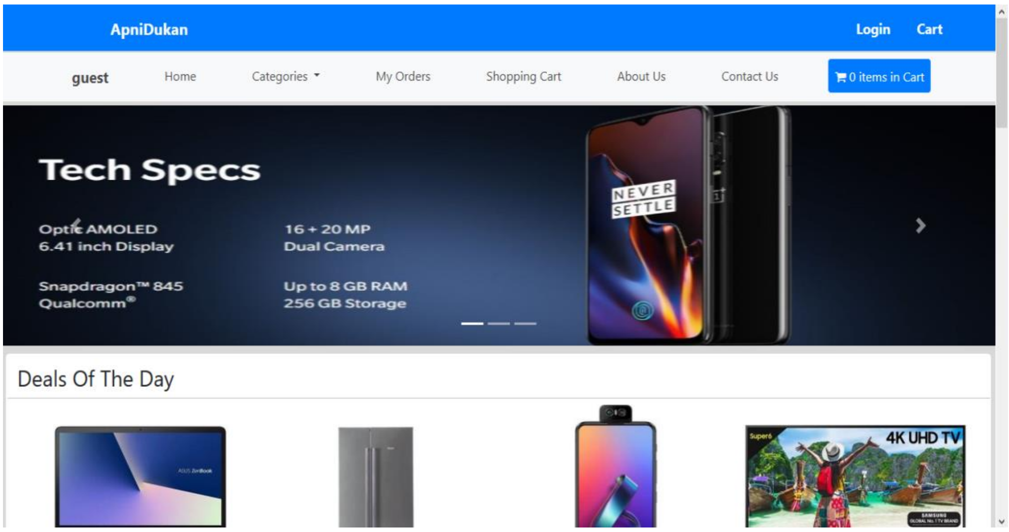
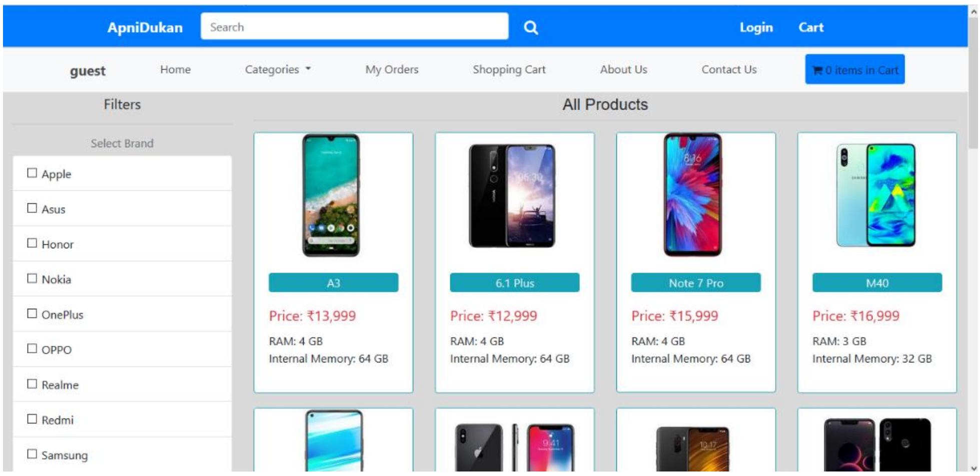


Fig No. 4.3 Home Page

4. **Products Page:** User can view all the products available on our website and filter products based on their categories, brand, name etc.



Filters

Select Brand

- ☐ Apple
- ☐ Asus
- ☐ Honor
- ☐ Nokia
- ☐ OnePlus
- ☐ OPPO
- ☐ Realme
- ☐ Redmi
- ☐ Samsung

All Products

A3
Price: ₹13,999
RAM: 4 GB
Internal Memory: 64 GB

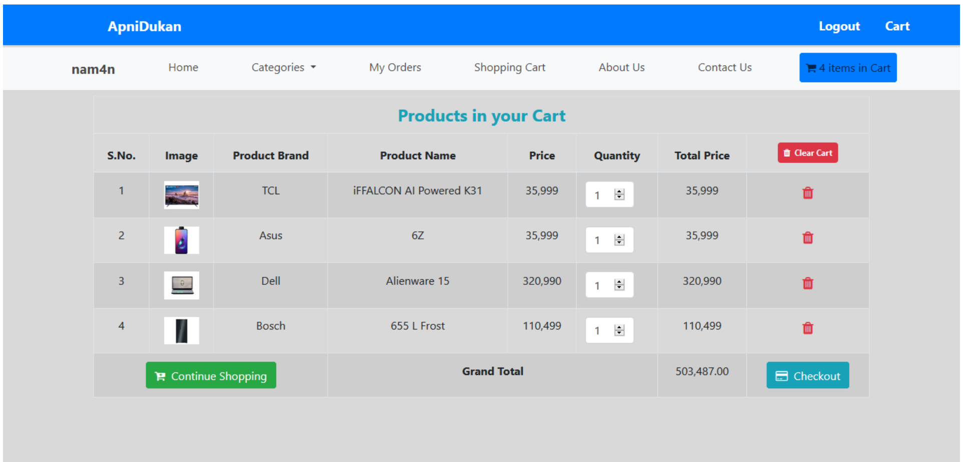
6.1 Plus
Price: ₹12,999
RAM: 4 GB
Internal Memory: 64 GB

Note 7 Pro
Price: ₹15,999
RAM: 4 GB
Internal Memory: 64 GB

M40
Price: ₹16,999
RAM: 3 GB
Internal Memory: 32 GB

Fig 4.4 Products Page

5. **Cart Page:** – After login user can view products in their cart, add more products, delete unwanted products and can check out with the products they have in cart.

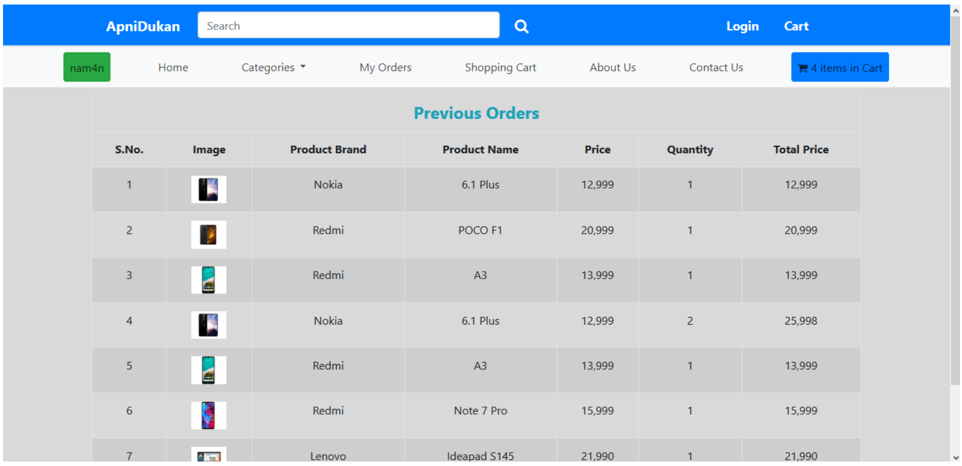


Products in your Cart

S.No.	Image	Product Brand	Product Name	Price	Quantity	Total Price	Clear Cart
1		TCL	iFFALCON AI Powered K31	35,999	1	35,999	
2		Asus	6Z	35,999	1	35,999	
3		Dell	Alienware 15	320,990	1	320,990	
4		Bosch	655 L Frost	110,499	1	110,499	
	Continue Shopping		Grand Total			503,487.00	Checkout

Fig 4.5 Cart Page

6. **Orders Page:** Users can view their previous orders in this page.

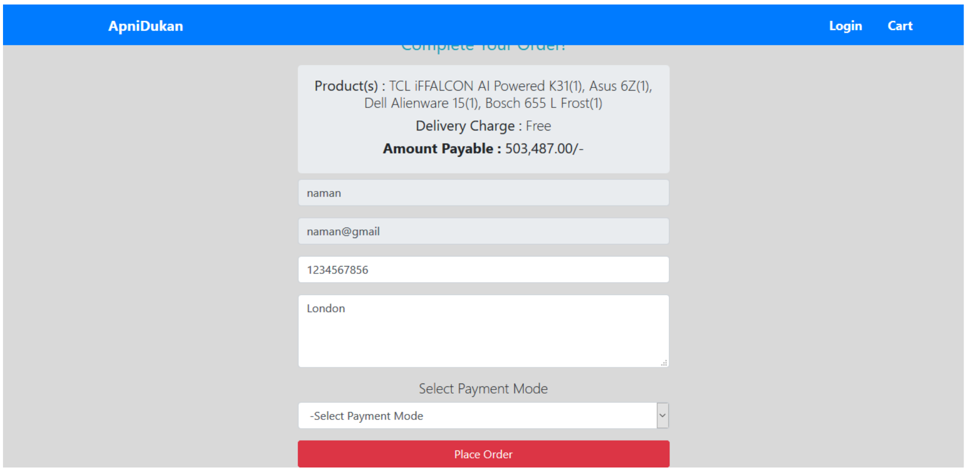


Previous Orders

S.No.	Image	Product Brand	Product Name	Price	Quantity	Total Price
1		Nokia	6.1 Plus	12,999	1	12,999
2		Redmi	POCO F1	20,999	1	20,999
3		Redmi	A3	13,999	1	13,999
4		Nokia	6.1 Plus	12,999	2	25,998
5		Redmi	A3	13,999	1	13,999
6		Redmi	Note 7 Pro	15,999	1	15,999
7		Lenovo	Ideapad S145	21,990	1	21,990

Fig 4.6 Orders Page

7. **Checkout Page:** It shows the products you have placed order for and total price.



Product(s) : TCL iFFALCON AI Powered K31(1), Asus 6Z(1), Dell Alienware 15(1), Bosch 655 L Frost(1)

Delivery Charge : Free

Amount Payable : 503,487.00/-

naman

naman@gmail

1234567856

London

Select Payment Mode

-Select Payment Mode

Fig 4.7 Checkout Page

CHAPTER 6

Conclusion

We have successfully implemented the site “Apni Dukan” . With the help of various links and tools, we have been able to provide a site which will be live soon and running on the web. We have been successful in our attempt to take care of the needs of both the user as well as the administration. Finally we hope that this will go a long way in popularizing.

CHAPTER 7

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- https://www.javatpoint.com/phpmyadmin

CHAPTER 8

Appendices

5.1 CSS

```css
*{
    margin: 0;
    padding: 0;
}
body{
    background: rgba(192,192,192,0.6);
}
/* First Navbar */
#size input[type=search]{
    width: 430px;
    margin-left: -3%;
}
#shop{
    color: white;
    font-weight: bold;
    margin-left: 10%;
}
#navbarSupportedContent li{
    margin-left: 20px;
}
#navbarSupportedContent li a{
    color: white;
    font-weight: bold;
    font-size: 1.1em;
}
#navbarSupportedContent li a:hover{
    color: #e67e22;
    transition: all 0.3s ease-in;
}

/* Second Navbar */
#secondtop{
    margin-top: 4.45%;
}
#navbarSupportedContent1 ul li{
    margin: 0 30px;
}
#navbarSupportedContent1 ul li a{
    color: rgba(0,0,0,0.7);
}
#navbarSupportedContent1 ul li a:hover{
    background-color: dodgerblue;
    border-radius: 5px;
    color: #fff;
    transition: all 0.3s ease-in;
}

#navbarSupportedContent1 .dropdown:hover>.dropdown-menu{
    display: block;
    border: 0;
    background-color: ghostwhite;
}
```

```

#navbarSupportedContent1 .active{
    color: black;
}

/* Image Slider */
.carousel-inner img {
    width: 100%;
    height: 100%;
}
#demo{
    margin-top: 5px;
}
#demo img{
    height: 300px;
}
/* Image Slider End */

/* Boxes */
#advantage{
    margin-top: -22px;
}
#advantage .thumbnail{
    border: 1px solid white;
    width: 27.5rem;
    height: 250px;
    margin-left: -10px;
}
#advantage img{
    width: 100%;
    height: 100%;
    overflow: hidden;
}
/* Boxes End */

/* Content */
#content{
    width: 99.1%;
    margin-top: 10px;
    background: #fff;

}
#content .text{
    border-bottom: 1px solid silver;
    width: 104.8%;
    margin-top: -4%;
    margin-left: -30px;
       }
       #content h3{
           margin-left: 1%;
       }
       #content .row{
           display: flex;
           flex-wrap: wrap;
           padding: 0 4px;
       }
       #content .column{
           flex: 25%;
           max-width: 25%;
           padding: 0 4px;
           position: relative;
       }
       #content .column img{
           margin-top: 8px;
           vertical-align: middle;
           width: 100%;
```

```
            height: 230px;
        }
        #content .firsttext{
            text-align: center;
            margin-top: 5%;
            font-size: 1.2em;
        }
        #content .firsttext p:nth-child(odd){
            margin-top: -4%;
        }
        #content .firsttext p:nth-child(even){
            margin-top: -1%;
        }

        #content .overlay{
            position: absolute;
            bottom: 35%;
            background: rgba(0, 0, 0, 0.1);
            color: #f1f1f1;
            width: 98%;
            transition: .5s ease;
            opacity: 0;
            color: white;
            font-size: 20px;
            padding: 20px;
            text-align: center;
        }
        #content button{
            margin-right: 10px;
        }
        #content .column:hover .overlay{
            opacity: 1;
        }
        /* Content End */
        /* Index Page End */

        /* mobiles.php Start */
        #textChange{
            font-size: 1.4em;
            font-family: sans-serif;
        }
        #size{
            margin-bottom: 2%;
        }

        #popupimage{
            margin-left: 10%;
        }
        #popupBrand,#popupRearCam,#popupFrontCam,#popupRam,#popupInternal,#popupProcessor,#popupBattery,#popupDisplay,#popupPrice,#popupHardDisk,#popupSize,#popupspeakerOutput,#popupPorts,#popupType,#popupDimensions,#popupWeight{

            margin-left: 40%;
        }
        #popupRamlap,#popupResolutionTel,#popupVolume{
            margin-top: 7%;
            margin-left: 40%;
        }
        #popupDetails{
            line-height: 0.4;
            margin-top: 30px;
        }
        #popupDetails span{
            font-weight: 700;
            font-size: 1.1em;
        }
        #popupRearCam{
            margin-top: 5%;
        }
        #popupCode{
            visibility: hidden;
        }

        /* Footer */
        #footerimage{
            color: white;
            margin-top: -2%;
        }
        /* Footer End */


        @media screen and (max-width:800px){
            #secondtop{
                margin-top: 2%;
            }
            #content .text{
                margin-top: -8%;
                width: 109.5%;
            }
            #content .column{
                flex: 50%;
                max-width: 50%;
            }
        }
        @media screen and (max-width:576px){
            #secondtop{
                margin-top: 11%;
            }
            #content .column{
                flex: 100%;
                max-width: 100%;
            }
            #content .text{
                margin-top: -4%;
                width: 109%;
            }
            #content h3{
                margin-left: 4%;
            }
            #advantage .thumbnail{
                width: 105%;
            }
        }
```

5.2 LOGIN

```
<?php
session_start();
if(isset($_SESSION['username']))
{
    header('location:index.php');
}
?>

<!DOCTYPE html>
<html lang="">

<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login System</title>
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
    <style>
        body{
        /*    background: -webkit-linear-gradient(to right, #c33764, #1d2671); */
            background-image: linear-gradient(to right, #6600CC, #660033, #000033, #330000, #330066, #6600cc);

        }
        #alert,#register-box,#forgot-box
            {
                display: none;
            }
    </style>
</head>

<body>
   <div class="container mt-4">
       <div class="row">
           <div class="col-lg-4 offset-lg-4" id="alert">
               <div class="alert alert-success">
                   <strong id="result"></strong>
               </div>
           </div>
       </div>
          <!-- Login Form -->
           <div class="row">
               <div class="col-lg-4 offset-lg-4 bg-light rounded" id="login-box">
                   <h2 class="text-center mt-2">Login</h2>
                   <form action="" method="post" role="form" class="p-2" id="login-form">
                       <div class="form-group">
                           <input type="text" name="username" class="form-control" placeholder="Username" required minlength="4" value="<?php if(isset($_COOKIE['username'])){echo $_COOKIE['username'];}?>">
                       </div>
                       <div class="form-group">
                           <input type="password" name="password" class="form-control" placeholder="Password" required minlength = "8" value="<?php if(isset($_COOKIE['password'])){echo $_COOKIE['password'];}?>">
                       </div>
                       <div class="form-group">
                           <div class="custom-control custom-checkbox">
                               <input type="checkbox" name="rem" class="custom-control-input" id="customCheck" <?php if(isset($_COOKIE['username'])) { ?>checked <?php } ?>>
                               <label for="customCheck" class="custom-control-label">Remember Me</label>
                               <a href="#" id="forgot-btn" class="float-right">Forgot Password?</a>
                           </div>
                       </div>
                       <div class="form-group">
                           <input type="submit" name="login" id="login" value="Login" class="btn btn-primary btn-block">
                       </div>
                       <div class="form-group">
```

```
                           <p class="text-center" >New User? <a href="#" id="register-btn">Register Here</a></p>
                       </div>
                   </form>
               </div>
           </div>
              <!-- registration form -->
              <div class="row">
               <div class="col-lg-4 offset-lg-4 bg-light rounded" id="register-box">
                   <h2 class="text-center mt-2">Register</h2>
                   <form action="" method="post" role="form" class="p-2" id="register-form">
                       <div class="form-group">
                           <input type="text" name="name" class="form-control" placeholder="Full Name" required minlength="4">
                       </div>
                       <div class="form-group">
                           <input type="text" name="username" class="form-control" placeholder="Username" required minlength="4">
                       </div>
                          <div class="form-group">
                           <input type="email" name="email" class="form-control" placeholder="E-Mail" required>
                       </div>
                       <div class="form-group">
                           <input type="password" name="pass" id="pass" class="form-control" placeholder="Password" required minlength = "8" >
                       </div>
                          <div class="form-group">
                           <input type="password" name="cpass" id="cpass" class="form-control" placeholder="Confirm Password" required>
                       </div>
                       <div class="form-group">
                           <div class="custom-control custom-checkbox">
                               <input type="checkbox" name="rem" class="custom-control-input" id="customCheck2">
                               <label for="customCheck2" class="custom-control-label">I agree to the <a href="#">Terms and Conditions</a></label>

                           </div>
                       </div>
                       <div class="form-group">
                           <input type="submit" name="register" id="register" value="Register" class="btn btn-primary btn-block">
                       </div>
                       <div class="form-group">
                           <p class="text-center" >Already Registered? <a href="#" id="login-btn">Login Here</a></p>
                       </div>
                   </form>
                      </div>
                  </div>
                  <!-- Forgot Password -->
                  <div class="row">
                      <div class="col-lg-4 offset-lg-4 bg-light rounded" id="forgot-box">
                          <h2 class="text-center mt-2">Reset Password</h2>
                          <form action="" method="post" role="form" class="p-2" id="forgot-form">
                             <div class="form-group">
                                 <small class="text-muted">
                                     To reset your password enter the email address and we will send reset password instructions on your email.
                                 </small>

                              </div>
                              <div class="form-group">
                                  <input type="email" name="femail" class="form-control" placeholder="E-mail" required>
                              </div>



                              <div class="form-group">
                                  <input type="submit" name="forgot" id="forgot" value="Reset" class="btn btn-primary btn-block">
                              </div>
                              <div class="form-group text-center">
                                  <a href="#" id="back-btn" >Back</a>
                              </div>
                          </form>
                      </div>
                  </div>

              </div>

           <script src="https://code.jquery.com/jquery-3.4.1.min.js" integrity="sha256-CSXorXvZcTkaix6Yvo6HppcZGetbYMGWSFlBw8HfCJo=" crossorigin="anonymous"></script>
           <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>
           <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>
           <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-validate/1.19.1/jquery.validate.min.js"></script>
           <script>
               $(document).ready(function(){
                   $('#forgot-btn').click(function(){
                      $('#login-box').hide();
                       $('#forgot-box').show();
                   });
                   $('#back-btn').click(function(){
                      $('#login-box').show();
                       $('#forgot-box').hide();
                   });
                   $('#register-btn').click(function(){
                      $('#login-box').hide();
                       $('#register-box').show();
                   });
                   $('#login-btn').click(function(){
                      $('#login-box').show();
                       $('#register-box').hide();
                   });
                   $('#login-form').validate();
                   $('#register-form').validate({
                       rules:{
                           cpass:{
                               equalTo:"#pass",
                           }
                       }
                   });
                   $('#forgot-form').validate();
                   $('#register').click(function(e){
                       if(document.getElementById('register-form').checkValidity())
                           {
                               e.preventDefault();
                               $.ajax({
                                   url:'actionregister.php',
                                   method:'post',
                                   data:$('#register-form').serialize()+'&action=register',
                                   success:function(response)
                                   {
                                       $('#alert').show();
                                       $('#result').html(response);
                                   }

                               });
                           }
                       return true;
                   });
                   $('#login').click(function(e){
                       if(document.getElementById('login-form').checkValidity())
                           {
                               e.preventDefault();
                               $.ajax({
                                   url:'actionregister.php',
                                   method:'post',
                                   data:$('#login-form').serialize()+'&action=login',
                                   success:function(response)
                                   {
                                       if(response==='ok')
                                           {
                                               window.location='index.php';

                                           }
                                       $('#alert').show();
                                       $('#result').html(response);
                                   }

                               });
                           }
                       return true;
                   });
                   $('#forgot').click(function(e){
                       if(document.getElementById('forgot-form').checkValidity())
                           {
                               e.preventDefault();
                               $.ajax({
                                   url:'actionregister.php',
                                   method:'post',
                                   data:$('#forgot-form').serialize()+'&action=forgot',
                                   success:function(response)
                                   {
                                       $('#alert').show();
                                       $('#result').html(response);
                                   }

                               });
                           }
                       return true;
                   });
               });
           </script>
       </body>

       </html>
```

5.3 LOGOUT

```
<?php
session_start();
if(session_destroy()){
    header('location:index.php');
}
?>
```

5.4 ACTION

```
<?php
    include 'Include/config.php';
    include 'session.php';
    if(isset($_POST['action']) && $_POST['action']=='filterMobiles'){
        $sql = "SELECT * FROM products WHERE categoryId = ? AND Brand !=''";

        if(isset($_POST['brand'])){
            $brand = implode("','",$_POST['brand']);
            $sql .="AND Brand IN('".$brand."')";
        }
        if(isset($_POST['ram'])){
            $ram = implode("','",$_POST['ram']);
            $sql .="AND Ram IN('".$ram."')";
        }
        if(isset($_POST['internalMemory'])){
            $internalMemory = implode("','",$_POST['internalMemory']);
            $sql .="AND InternalMemory IN('".$internalMemory."')";
        }
        if(isset($_POST['searchName'])){
            $sql .= "AND Name like '%".$_POST['searchName']."%'";
        }
        $stmt = $conn->prepare($sql);

                        $stmt->bind_param("i",$_SESSION['catId']);
                        $stmt->execute();
                        $result = $stmt->get_result();

        $output = '';
        if($result->num_rows>0){
            while($row=$result->fetch_assoc()){
                $output .= ' <div class="col-md-3 mb-2">
                        <div class="card-deck">
                            <div class="card border-secondary">
                                <img src="'.$row['Image'].'" class="card-img-top">
                                <div class="card-img-overlay" data-fcamera="'.$row['Front Camera'].'" data-rcamera="'.$row['Rear Camera'].'" data-brand="'.$row['Brand'].'" data-name="'.$row['Name'].'" data-price="'.$row['Price'].'" data-ram="'.$row['Ram'].'" data-internal="'.$row['InternalMemory'].'" data-processor="'.$row['Processor'].'" data-battery="'.$row['Battery'].'" data-display="'.$row['Display'].'" data-rearcamera="'.$row['Rear Camera'].'" data-frontcamera="'.$row['Front Camera'].'" data-code="'.$row['productCode'].'">
                                    <h6 class="text-light bg-info text-center rounded p-1" style="margin-top: 175px;cursor:pointer;" data-toggle="modal" data-target="#modalAbandonedCart" onclick="showpopup(this)">'. $row['Name'].'</h6>
                                </div>
                                <div class="card-body">
                                    <h5 class="card-title mt-5 text-danger">Price: ₹'.number_format($row['Price']).'</h5>
                                    <p>
                                        RAM: '.$row['Ram'].'<br>
                                        Internal Memory: '.$row['InternalMemory'].'
                                    </p>
                                </div>
                            </div>
                        </div>
                    </div>';
            }
        }
        else{
            //$output = "<h4>No Products Found!</h4>";
            $output = $_SESSION['catId'];
        }
        echo $output;
    }
    if(isset($_POST['action']) && $_POST['action']=='filterLaptops'){
        $sql = "SELECT * FROM products WHERE categoryId = ? AND  Brand !=''";
        if(isset($_POST['brand'])){
            $brand = implode("','",$_POST['brand']);
            $sql .="AND Brand IN('".$brand."')";
        }
        if(isset($_POST['ram'])){
            $ram = implode("','",$_POST['ram']);
            $sql .="AND Ram IN('".$ram."')";
        }
        if(isset($_POST['hardDisk'])){
            $hardDisk = implode("','",$_POST['hardDisk']);
            $sql .="AND HardDisk IN('".$hardDisk."')";
        }
        if(isset($_POST['searchName'])){
            $sql .= "AND Name like '%".$_POST['searchName']."%'";
        }
        $stmt = $conn->prepare($sql);

                        $stmt->bind_param("i",$_SESSION['catId']);
                        $stmt->execute();
                        $result = $stmt->get_result();
        $output = '';
        if($result->num_rows>0){
            while($row=$result->fetch_assoc()){
                $output .= '<div class="col-md-3">
                        <div class="card-deck">
                            <div class="card border-secondary">
                                <img src="'.$row['Image'].'" class="card-img-top">
                                <div class="card-img-overlay" data-brand="'.$row['Brand'].'" data-name="'.$row['Name'].'" data-price="'.$row['Price'].'" data-ram="'.$row['Ram'].'" data-hardDisk="'.$row['HardDisk'].'" data-processor="'.$row['Processor'].'" data-display="'.$row['Display'].'" data-id="'.$row['Id'].'" data-code="'.$row['productCode'].'">
                                    <h6 class="text-light bg-info text-center rounded p-1" style="margin-top: 175px;cursor:pointer;" data-toggle="modal" data-target="#modalAbandonedCart" onclick="showpopup(this)">'.$row['Name'].'</h6>

                                </div>
                                <div class="card-body">
                                    <h5 class="card-title mt-5 text-danger">Price: ₹'.number_format($row['Price']).'</h5>
                                    <p>
                                        RAM: '.$row['Ram'].'<br>
                                        Processor: '.$row['Processor'].'
                                    </p>
                                </div>
                            </div>
                        </div>
                    </div>';
            }
        }
        else{
                   $output = "<h4>No Products Found!</h4>";
               }
               echo $output;
           }
           if(isset($_POST['action']) && $_POST['action']=='filterTelevisions'){
               $sql = "SELECT * FROM products WHERE categoryId = ? AND Brand !=''";
               if(isset($_POST['brand'])){
                   $brand = implode("','",$_POST['brand']);
                   $sql .="AND Brand IN('".$brand."')";
               }
               if(isset($_POST['size'])){
                   $size = implode("','",$_POST['size']);
                   $sql .="AND Size IN('".$size."')";
               }
               if(isset($_POST['speakerOutput'])){
                   $speakerOutput = implode("','",$_POST['speakerOutput']);

                   $sql .="AND SpeakerOutput IN('".$speakerOutput."')";
               }
               if(isset($_POST['searchName'])){
                   $sql .= "AND Name like '%".$_POST['searchName']."%'";
               }
              $stmt = $conn->prepare($sql);

                               $stmt->bind_param("i",$_SESSION['catId']);
                               $stmt->execute();
                               $result = $stmt->get_result();
               $output = '';
               if($result->num_rows>0){
                   while($row=$result->fetch_assoc()){
                       $output .= ' <div class="col-md-3">
                               <div class="card-deck">
                                   <div class="card border-secondary">
                                       <img src="'.$row['Image'].'" class="card-img-top">
                                       <div class="card-img-overlay" data-brand="'.$row['Brand'].'" data-name="'.$row['Name'].'" data-price="'.$row['Price'].'" data-resolution="'.$row['Resolution'].'" data-size="'.$row['Size'].'" data-speakerOutput="'.$row['SpeakerOutput'].'" data-ports="'.$row['Ports'].'" data-id="'.$row['Id'].'" data-code="'.$row['productCode'].'">
                                           <h6 class="text-light bg-info text-center rounded p-1" style="margin-top: 175px;cursor:pointer;" data-toggle="modal" data-target="#modalAbandonedCart" onclick="showpopup(this)">'.$row['Name'].'</h6>

                                       </div>
                                       <div class="card-body">
                                           <h5 class="card-title mt-5 text-danger">Price: ₹'.number_format($row['Price']).'</h5>
                                           <p>
                                               Size: '.$row['Size'].'<br>
                                               SpeakerOutput: '.$row['SpeakerOutput'].'
                                           </p>
                                       </div>
                                   </div>
                               </div>
                           </div>';
                   }
               }
               else{
                   $output = "<h4>No Products Found!</h4>";
               }
               echo $output;
           }
           if(isset($_POST['action']) && $_POST['action']=='filterRefrigerators'){
               $sql = "SELECT * FROM products WHERE categoryId = ? AND Brand !=''";
               if(isset($_POST['brand'])){
                   $brand = implode("','",$_POST['brand']);
                   $sql .="AND Brand IN('".$brand."')";
               }
               if(isset($_POST['weight'])){
                   $weight = implode("','",$_POST['weight']);
                   $sql .="AND Weight IN('".$weight."')";
               }
               if(isset($_POST['searchName'])){
                   $sql .= "AND Name like '%".$_POST['searchName']."%'";
               }
               $stmt = $conn->prepare($sql);

                               $stmt->bind_param("i",$_SESSION['catId']);
                               $stmt->execute();
                               $result = $stmt->get_result();
               $output = '';
               if($result->num_rows>0){
                   while($row=$result->fetch_assoc()){
                       $output .= ' <div class="col-md-3">
                               <div class="card-deck">
                                   <div class="card border-secondary">
                                       <img src="'.$row['Image'].'" class="card-img-top">
                                       <div class="card-img-overlay" data-brand="'.$row['Brand'].'" data-name="'.$row['Name'].'" data-price="'.$row['Price'].'" data-volume="'.$row['Volume'].'" data-type="'.$row['Type'].'" data-dimensions="'.$row['Dimensions'].'" data-weight="'.$row['Weight'].'" data-id="'.$row['Id'].'" data-code="'.$row['productCode'].'">
                                           <h6 class="text-light bg-info text-center rounded p-1" style="margin-top: 175px;cursor:pointer;" data-toggle="modal" data-target="#modalAbandonedCart" onclick="showpopup(this)">'.$row['Name'].'</h6>

                                       </div>
                                       <div class="card-body">
                                           <h5 class="card-title mt-5 text-danger">Price: ₹'.number_format($row['Price']).'</h5>
                                           <p>
                                               Type: '.$row['Type'].'<br>
                                               Weight: '.$row['Weight'].'
                                           </p>
                                       </div>
                                   </div>
                               </div>
                           </div>';
                   }
```

```
                }
                else{
                    $output = "<h4>No Products Found!</h4>";
                }
                echo $output;
            }
        ?>
```

5.5 ACTION CART

```
<?php
    include 'Include/config.php';
    include 'session.php';

    if(!isset($_SESSION))
    {session_start();}
    if(isset($_POST['action']))
    {
        $pname = $_POST['pname'];
        $pbrand = $_POST['pbrand'];
        $pprice = $_POST['pprice'];
        $pimage = $_POST['pimage'];
        $pcode = $_POST['pcode'];
        $pqty = 1;
        $stmt = $conn->prepare("SELECT productCode FROM mobilescart WHERE productCode=? AND userId=?");
        $stmt->bind_param("si",$pcode,$userId);
        $stmt->execute();
        $res = $stmt->get_result();
        $r = $res->fetch_assoc();
        $code = $r['productCode'];
        if($userId!=0)
        {
        if(!$code){
            $query = $conn->prepare("INSERT INTO mobilescart (userId,Name,Brand,Price,Image,Quantity,TotalPrice,productCode) VALUES (?,?,?,?,?,?,?,?)");
            $query->bind_param("issisiis",$userId,$pname,$pbrand,$pprice,$pimage,$pqty,$pprice,$pcode);
            $query->execute();
            echo 'Item added to your cart';
        }
        else{
            echo 'Item already added to your cart';
        }
        }
        else{
            echo 'You need to login first!';
        }

    }
    if(isset($_GET['cartItem']) && isset($_GET['cartItem']) == 'cart_item'){

        $stmt = $conn->prepare("SELECT * FROM mobilescart where userId=?");
        $stmt->bind_param('i',$userId);
        $stmt->execute();
        $stmt->store_result();
        $rows = $stmt->num_rows;
        echo $rows . " items in Cart";
    }
    if(isset($_GET['remove'])){
        $id = $_GET['remove'];
        $stmt = $conn->prepare("DELETE FROM mobilescart WHERE Id = ?");
        $stmt->bind_param("i",$id);
        $stmt->execute();
        $_SESSION['showAlert'] = 'block';
        $_SESSION['message'] = 'Item removed from the cart!';
        header('location:cart.php');
    }
     if(isset($_GET['clear'])){
        $stmt = $conn->prepare("DELETE FROM mobilescart");
        $stmt->execute();
        $_SESSION['showAlert'] = 'block';
        $_SESSION['message'] = 'All Items removed from the cart!';
        header('location:cart.php');
    }
    if(isset($_POST['qty'])){
        $qty = $_POST['qty'];
        $pid = $_POST['pid'];
        $pprice = $_POST['pprice'];
        $tprice = $qty * $pprice;
        $stmt = $conn->prepare("UPDATE mobilescart SET Quantity=?, TotalPrice=? WHERE Id=?");
        $stmt->bind_param("iii",$qty,$tprice,$pid);
        $stmt->execute();
    }
    if(isset($_POST['actionorder']) && isset($_POST['actionorder']) == 'order'){
        //$name = $_POST['name'];
        //$email = $_POST['email'];
        $phone = $_POST['phone'];
        $products = $_POST['products'];
        $grand_total = $_POST['grand_total'];
        $address = $_POST['address'];
        $pmode = $_POST['pmode'];

        $data = '';

        $stmt1 = $conn->prepare("UPDATE users SET phone=?,address=? WHERE username=?");
        $stmt1->bind_param("iss",$phone,$address,$username);
        $stmt1->execute();

        $stmt2 = $conn->prepare("INSERT INTO orders(userId,Name,Brand,Price,Image,Quantity,TotalPrice,productCode) SELECT userId,Name,Brand,Price,Image,Quantity,TotalPrice,productCode FROM mobilescart where userid=?");
        $stmt2->bind_param("i",$userId);
        $stmt2->execute();

        $stmt3 = $conn->prepare("DELETE FROM mobilescart where userId=?");
        $stmt3->bind_param("i",$userId);
        $stmt3->execute();

//        $stmt = $conn->prepare("INSERT INTO orders (name,email,phone,address,paymentMode,products,amount_paid) VALUES(?,?,?,?,?,?,?)");
//        $stmt->bind_param("sssssss",$name,$email,$phone,$address,$pmode,$products,$grand_total);
//        $stmt->execute();
        $data .= '<div class="text-center">
                    <h1 class="display-4 mt-2 text-danger">Thank You!</h1>
                    <h2 class="text-success">Your Order Placed Successfully!</h2>
                           <h4 class="bg-danger text-light rounded p-2">Items Purchased : '.$products.'</h4>
                           <h4>Name : '.$name.'</h4>
                           <h4>E-mail : '.$email.'</h4>
                           <h4>Phone : '.$phone.'</h4>
                           <h4>Total Amount Paid : '.number_format($grand_total,2).'</h4>
                           <h4>Payment Mode : '.$pmode.'</h4>
                         </div>';
               echo $data;
           }
       ?>
```

5.6 REGISTER

```
<?php
require 'Include/config.php';
if(isset($_POST['action']) && $_POST['action'] == 'register')
{
    $name = check_input($_POST['name']);
    $uname = check_input($_POST['username']);
    $email = check_input($_POST['email']);
    $pass = check_input($_POST['pass']);
    $cpass = check_input($_POST['cpass']);
    $pass = sha1($pass);
    $cpass = sha1($cpass);
    $created = date('Y-m-d');

    if($pass != $cpass){
        echo 'Password did not match';
        exit();
    }
    else
    {
        $sql = $conn->prepare('SELECT username,email FROM users WHERE username = ? OR email= ?');

        $sql->bind_param("ss",$uname,$email);
        $sql->execute();
        $result = $sql->get_result();
        $row = $result->fetch_array(MYSQLI_ASSOC);
        if($row['username']==$uname)
        {
            echo 'username not available';
        }
        elseif($row['email']==$email)
        {
            echo 'email is already registered';
        }
        else
        {
            $stmt = $conn->prepare("INSERT INTO users (name,username,email,pass,created) VALUES (?,?,?,?,?)");
            $stmt->bind_param("sssss",$name,$uname,$email,$pass,$created);
            if($stmt->execute())
            {
                echo "Registered Successsfully. Login now";
            }
            else
            {
                echo "Something went wrong. Try Again!";
            }
        }
    }
}
```

```
if(isset($_POST['action']) && $_POST['action'] == 'login')
{
    session_start();
    $username = $_POST['username'];
    $password = sha1($_POST['password']);

    $stmt_l= $conn->prepare('SELECT * FROM users WHERE username = ? AND pass = ?');
    $stmt_l->bind_param("ss",$username,$password);
    $stmt_l->execute();
    $user = $stmt_l->fetch();

    if($user!=null)
    {
        $_SESSION['username']=$username;
        echo 'ok';

        if(!emptyempty($_POST['rem']))
        {
            setcookie('username',$_POST['username'],time()+(10*365*24*60*60));
            setcookie('password',$_POST['password'],time()+(10*365*24*60*60));
        }
        else
        {
            if(isset($_COOKIE['username']))
            {
                setcookie('username','');

            }
            if(isset($_COOKIE['password']))
            {
                setcookie('password','');

            }
        }
    }
    else
    {
        echo 'Login failed! Check your username and password';
    }
}
function check_input($data)
{
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}
?>
```

5.7 CONFIG

```
<?php
    $conn = new mysqli("localhost","root","","testing");
?>
```

5.8 SESSION

```php
<?php
    if(!isset($_SESSION))
    {session_start();}
require 'Include/config.php';
if(isset($_SESSION['username']))
{
    $user = $_SESSION['username'];
$stmt = $conn->prepare('SELECT * FROM users WHERE username = ?');
$stmt->bind_param('s',$user);
$stmt->execute();
$result = $stmt->get_result();
$row = $result->fetch_array(MYSQLI_ASSOC);
$username = $row['username'];
$name = $row['name'];
$email = $row['email'];
$savPhone = $row['phone'];
$savAddr = $row['address'];
$userId = $row['id'];
}
else
{
    $username = 'guest';
    $userid = 0;
}

/* if(!isset($user)){
    header('location:index.php');
} */
?>
```