

**A
Project Report
On
“E-commerce Website ”**

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CERTIFICATE

This is to certify that the report entitled “**E-commerce website**” is a bonafied work carried out by **Falak Kabrawala (16IT038)** under the guidance and supervision of **Prof. Kamlesh Makwana** for the subject **Software Group Project-II (IT345)** of 5th Semester of Bachelor of Technology in **Information Technology** at Faculty of Technology & Engineering – CHARUSAT, Gujarat.

To the best of my knowledge and belief, this work embodies the work of candidate herself, has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation and language for being referred to the examiner.

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TABLE OF CONTENTS

• Acknowledgement.....	5
• Abstract	6
• Chapter 1 Introduction	7
1.1 Project Summary.....	7
1.2 Scope.....	7
1.3 Objective	7
• Chapter 2 System Requirements Study	8
2.1 User Characteristics	8
2.2 Tools & Technology Used	8
• Chapter 3 System Design	9
3.1 Project Flow	9
• Chapter 4 Implementation Planning	10
4.1 Implementation Environment (Single vs Multi user, GUI vs Non GUI)	10
4.2 Coding Standards	10
4.3 Snapshots of project	20
• Chapter 5 Future Enhancement.....	25
• Chapter 6 Conclusion.....	26
• References.....	26

LIST OF FIGURES

Fig. 4.3.1	19
Fig. 4.3.2	19
Fig. 4.3.3	20
Fig. 4.3.4	20
Fig. 4.3.5	21
Fig. 4.3.6	23
Fig. 4.3.7	24

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Falak Kabrawala (16IT038)

ABSTRACT

The business-to-customer aspect of product commerce (e-commerce) is the most visible business use of the world wide web . The primary goal of an e-commerce site is to sell goods online .

This project deals with developing an e-commerce website for online product sale. It provides the user with catalog of different product available for purchase a shopping cart is provided to the user . The system is implemented using a3-tier approach with a backend database, a middle tier of Microsoft Internet Information Service (IIS) and PHP , and a web browser as the front end client . In order to develop an e-commerce website, a number of Technologies must be studied and understood.

These include multi-tiered architechture, server and client side scripting techniques, implementation technologies such as PHP (PDO), HTML, CSS ,Mysql. This is a project with objective to develop basic website where customer is provided with a shopping cart also to know about the technologies used to develop such an application . This document will discuss each of the underlying technologies to create and implement an e-commerce website.

CHAPTER- 1: INTRODUCTION

1.1: Description

E-commerce website is a php based Web Application in which user can buy anything and sell anything on this platform.

This web app is divided into three parts

- 1) Admin Panel.
- 2) User panel to buy.
- 3) User panel to sell.

1.2: Purpose:

An ecommerce website is a website which allows your business to sell products and services to their online audience. ... Having an ecommerce platform helps you to increase your conversion rate since people get a chance to immediately buy from you rather than wait to visit the store.

1.3: Scope:

This web app will provide selling of products online and connects local people to buy, sell or exchange used goods and services by making it fast and easy for anyone to post a listing through web app.

1.4: Objective:

- ❖ The main objective of any e-commerce website to gain more traffic for your business. A merchant opens any online store to promote his business and sell the product.
- ❖ There are many objectives to open an online store:
- ❖ For getting more customer on the website and make it popular.
- ❖ Can change your business according to your customer requirements
- ❖ Secure payment option
- ❖ Brand recognition
- ❖ For getting more retention of the customer

CHAPTER- 2: SYSTEM REQUIREMENTS

2.1: User Characteristics:

User should know how to access a website .

2.2: Tools and Languages Used (For Development):

PHP programming

Html for structure

CSS for designing

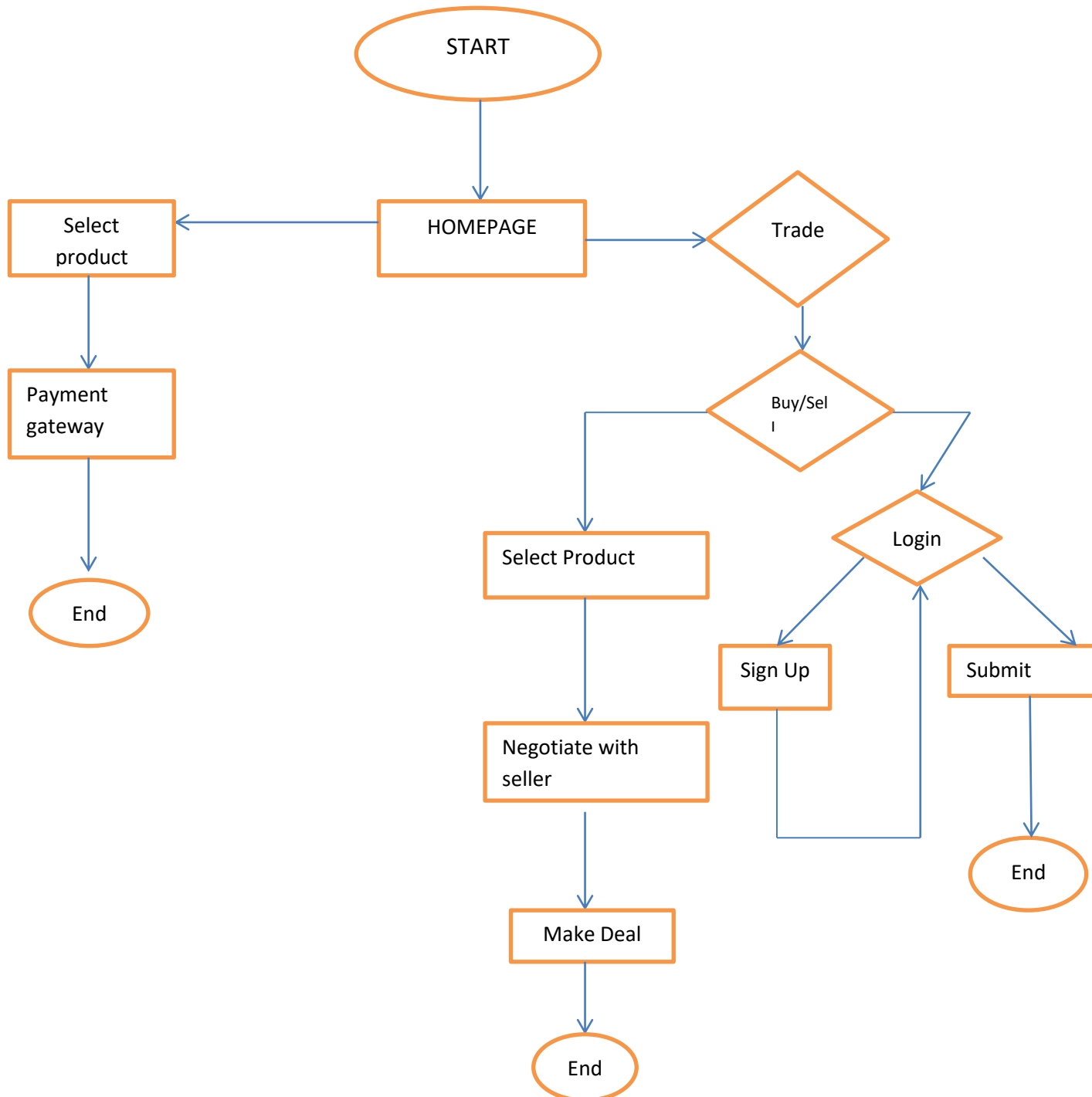
Mysql for database

2.3: Assumptions and Dependencies:

We have assumed that user has the basic knowledge of operating an E-commerce website.

CHAPTER-3: SYSTEM DESIGN

3.1: Project Flow:



CHAPTER- 4: IMPLEMENTATION PLANNING

4.1: Implementation Environment:

Web client

4.2: Coding

function.php for front end

```
<?php
```

```
function u_signup(){
```

```
    include("inc/db.php");
```

```
    if(isset($_POST['u_signup'])){
```

```
        $u_name=$_POST['u_name'];
```

```
        $u_email=$_POST['u_email'];
```

```
        $u_add=$_POST['u_add'];
```

```
        $u_state=$_POST['u_state'];
```

```
        $u_pin=$_POST['u_pin'];
```

```
        $u_date=$_POST['u_date'];
```

```
        $u_phone=$_POST['phone'];
```

```
        $u_pass=mt_rand();
```

```
$add_user=$con->prepare("INSERT into
```

```
users(u_name,u_email,u_pass,u_add,u_pin,u_dob,u_phone,u_state,u_reg_date)
```

```
VALUES('$u_name','$u_email','$u_pass','$u_add','$u_pin','$u_date','$u_phone','$u_state',NOW())"
```

```
);
```

```
    if($add_user->execute()){
```

```
        echo"<script>alert('Registration succesfull check your email for  
password');</script>";
```

```
        echo"<script>window.open('index.php','_self');</script>";
```

```
    }
```

```
    else{
```

```
        echo"<script>alert('Registration fail');</script>";
```

```

    }

}

function getIp() {

    $ip = $_SERVER['REMOTE_ADDR'];

    if (!empty($_SERVER['HTTP_CLIENT_IP'])) {

        $ip = $_SERVER['HTTP_CLIENT_IP'];

    } elseif (!empty($_SERVER['HTTP_X_FORWARDED_FOR'])) {

        $ip = $_SERVER['HTTP_X_FORWARDED_FOR'];

    }

    return $ip;

}

function add_cart(){

    include ("inc/db.php");

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

        $pro_id=$_POST['pro_id'];

        $ip=getIp();

        $check_cart=$con->prepare("SELECT * from cart where pro_id='$pro_id'
AND ip_add='$ip'");

        $check_cart->execute();

        $row_check=$check_cart->rowCount();

        if($row_check==1){

            echo"<script>alert('This product already added in your
cart');</script>";

        }else{ $add_cart=$con->prepare("INSERT into cart (pro_id,qty,ip_add)
VALUES ('$pro_id','1','$ip') ");

```

```
        if($add_cart->execute()){

            echo"<script>window.open('index.php','_self');</script>";

        }

        else{

            echo"<script>alert('Try Again !!!');</script>";

        }

    }

}

function electronics(){

    error_reporting(0);

    include ("inc/db.php");

    $fetch_cat=$con->prepare("SELECT * from main_cat WHERE cat_id='224'");

    $fetch_cat->setFetchMode(PDO:: FETCH_ASSOC);

    $fetch_cat->execute();

    $row_cat=$fetch_cat->fetch();

    $cat_id=$row_cat['cat_id'];

    echo"<h3>".$row_cat['cat_name']. "</h3>";

    $fetch_pro=$con->prepare("SELECT * from products WHERE cat_id='$cat_id' LIMIT

0,3");

    $fetch_pro->setFetchMode(PDO:: FETCH_ASSOC);

    $fetch_pro->execute();

    while($row_pro=$fetch_pro->fetch()):

        echo "

            <li>

            <form method='POST' enctype='multipart/form-data'>
```

```

        <a href='pro_detail.php?pro_id=".$row_pro['pro_id']."' >
        <h4>".$row_pro['pro_name']."</h4>
        <img src='../imgs/pro_img/".$row_pro['pro_img1']."'>

        <center><button id='pro_btn'><a
href='pro_detail.php?pro_id=".$row_pro['pro_id']."' >view</a></button>

        <input type='hidden' value='".$row_pro['pro_id']."' name='pro_id'/>
        <button id='pro_btn' name='cart_btn'>Cart</button>
        <button id='pro_btn'><a href='#'>Wishlist</a></button>
        </center>
        </a>
        </form>
    </li>";
    endwhile;
}

function fashion(){
    error_reporting(0);
    include ("inc/db.php");
    $fetch_cat=$con->prepare("SELECT * from main_cat WHERE cat_id='74'");
    $fetch_cat->setFetchMode(PDO:: FETCH_ASSOC);
    $fetch_cat->execute();

    $row_cat=$fetch_cat->fetch();
    $cat_id=$row_cat['cat_id'];
    echo"<h3>".$row_cat['cat_name']."</h3>";
}

```

```
$fetch_pro=$con->prepare("SELECT * from products WHERE cat_id='$cat_id'LIMIT
0,3");
```

```
$fetch_pro->setFetchMode(PDO:: FETCH_ASSOC);
```

```
$fetch_pro->execute();
```

```
while($row_pro=$fetch_pro->fetch()):
```

```
echo "
```

```
<li>
```

```
<a href='pro_detail.php?pro_id=".$row_pro['pro_id']." '>
```

```
<h4>".$row_pro['pro_name']."</h4>
```

```
<img src='../imgs/pro_img/'.$row_pro['pro_img1'].'''/>
```

```
<center><button id='pro_btn'><a
```

```
href='pro_detail.php?pro_id=".$row_pro['pro_id']." '>view</a></button>
```

```
<button id='pro_btn'><a href='#'>Cart</a></button>
```

```
<button id='pro_btn'><a href='#'>Wishlist</a></button>
```

```
</center>
```

```
</a>
```

```
</li>";
```

```
endwhile;
```

```
}
```

```
function bags(){
```

```
error_reporting(0);
```

```
include ("inc/db.php");
```

```
$fetch_cat=$con->prepare("SELECT * from main_cat WHERE cat_id='225'");
```

```
$fetch_cat->setFetchMode(PDO:: FETCH_ASSOC);
```

```
$fetch_cat->execute();
```

```
$row_cat=$fetch_cat->fetch();

$cat_id=$row_cat['cat_id'];

echo"<h3>".$row_cat['cat_name']. "</h3>";


$fetch_pro=$con->prepare("SELECT * from products WHERE cat_id='$cat_id'LIMIT
0,3");

$fetch_pro->setFetchMode(PDO:: FETCH_ASSOC);

$fetch_pro->execute();

while($row_pro=$fetch_pro->fetch()):
echo "
    <li>

        <a href='pro_detail.php?pro_id=".$row_pro['pro_id']."' >

        <h4>".$row_pro['pro_name']. "</h4>

        <img src='../imgs/pro_img/".$row_pro['pro_img1']."'>

        <center><button id='pro_btn'><a
href='pro_detail.php?pro_id=".$row_pro['pro_id']."' >view</a></button>

        <button id='pro_btn'><a href='#'>Cart</a></button>

        <button id='pro_btn'><a href='#'>Wishlist</a></button>

        </center>

        </a>

    </li>";

endwhile;

}
```

```
function pro_details(){
    error_reporting(0);
    include("inc/db.php");
    if (isset($_GET['pro_id'])) {
        $pro_id=$_GET['pro_id'];
        $pro_fetch=$con->prepare("SELECT * from products WHERE pro_id='$pro_id'");
        $pro_fetch->setFetchMode(PDO:: FETCH_ASSOC);
        $pro_fetch->execute();

        $row_pro=$pro_fetch->fetch();

        $cat_id=$row_pro['cat_id'];

        echo"

        <div id='pro_img'>
        <img src='../imgs/pro_img/".$row_pro['pro_img1']."' />
        <ul>
        <li><img src='../imgs/pro_img/".$row_pro['pro_img1']."' /></li>
        <li><img src='../imgs/pro_img/".$row_pro['pro_img2']."' /></li>
        <li><img src='../imgs/pro_img/".$row_pro['pro_img3']."' /></li>
        <li><img src='../imgs/pro_img/".$row_pro['pro_img4']."' /></li>

        </ul>
        </div><br clear='all' />
```



```
<div id='pro_features'>
<h3>".$row_pro['pro_name']."</h3><hr/>
<ul>
    <li>".$row_pro['pro_feature1']."</li>
    <li>".$row_pro['pro_feature2']."</li>
    <li>".$row_pro['pro_feature3']."</li>
    <li>".$row_pro['pro_feature4']."</li>
    <li>".$row_pro['pro_feature5']."</li>
</ul>
<ul>
<li> Model no :".$row_pro['pro_model']."</li>
<li> warrenty :".$row_pro['pro_warrenty']."</li>

</ul><br clear='all' />
<center><h4>Selling Price: ".$row_pro['pro_price']."</h4>
<form method='POST'>
<button id='buy_now' name='buy_now'>Buy Now</button>
<button id='cart' name='cart'>Add to Cart</button>
</form>
</center>
</div><br clear='all' />

<div id='sim_pro'>
<h3>More Like This</h3>
```

```

        <ul>";

        $sim_pro=$con->prepare("SELECT * FROM products WHERE
cat_id='$cat_id' LIMIT 0,5");

        $sim_pro->setFetchMode(PDO:: FETCH_ASSOC);

        $sim_pro->execute();

        while($row=$sim_pro->fetch()):

            echo"<li>

                                <a
href='pro_detail.php?pro_id=".$row['pro_id']."'>

                                <img
src='../imgs/pro_img/".$row['pro_img1']."' />

                                <p>".$row['pro_name']."</p>

                                <p> Price: ₹".$row['pro_price']."</p>

                                </a>

            </li>";

        endwhile;

        echo"</ul>

        </div>";

    }

}

function search(){

    include("inc/db.php");

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

        $user_query1=$_GET['user_query'];

```

```

    $search=$con->prepare("SELECT * FROM products WHERE pro_keyword LIKE
'%$user_query1'");

    $search->setFetchMode(PDO:: FETCH_ASSOC);

    $search-> execute();

    echo"<div id='bodyleft'><ul>";

    while($row=$search->fetch()):

        echo"<li>

            <a href='pro_detail.php?pro_id=".$row['pro_id']." '>

            <h4>".$row['pro_name']."</h4>

            <img src='../imgs/pro_img/".$row['pro_img1']."'>

            <center>

            <button id='pro_btn'><a href='pro_detail.php?pro_id=".$row['pro_id']."
'>view</a></button>

            <button id='pro_btn'><a href='#'>Cart</a></button>

            <button id='pro_btn'><a href='#'>Wishlist</a></button>

            </center>

            </a>

        </li>";

    endwhile;

    echo"</ul></div>";

}

}

?>

```

4.3: Snapshots of project

Fig 4.3.1:

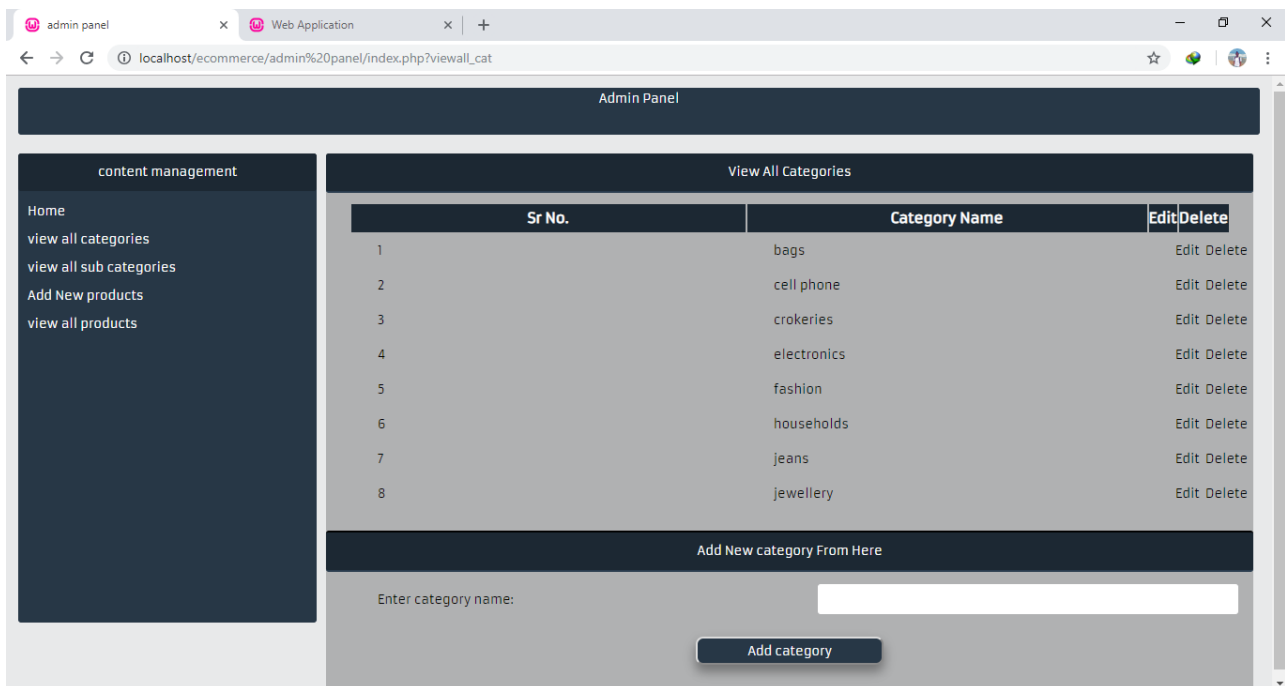


Fig 4.3.2:

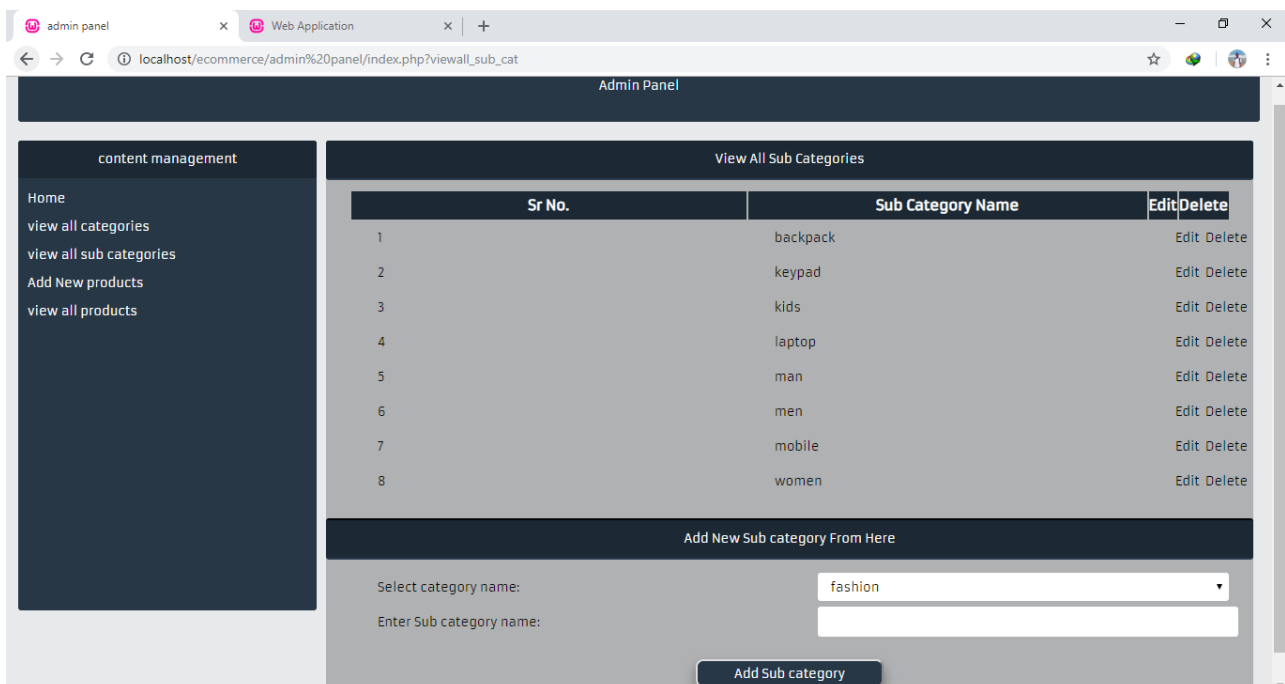


Fig 4.3.3:

content management

- Home
- view all categories
- view all sub categories
- Add New products
- view all products

Add New Products From Here

Enter Product name:

Enter Category name:

Enter SubCategory name:

Select Product Image 1: No file chosen

Enter Product Image 2: No file chosen

Enter Product Image 3: No file chosen

Enter Product Image 4: No file chosen

Enter Feature 1:

Enter Feature 2:

Enter Feature 3:

Enter Feature 4:

Enter Feature 5:

Enter Price:

Enter Model No:

Enter Warrenty:

Enter Keyword:

Fig 4.3.4:

content management

- Home
- view all categories
- view all sub categories
- Add New products
- view all products

Add New Products From Here

Sr No.	Product Name	Product Images	Edit	Delete	Feature1	Feature2
1	Long sleeve tshirt		Edit	Delete	100% cotton Machine- wash	Black solid shirt, has a round neck long sleeve
2	oneplus 6		Edit	Delete	Snapdragon 845 processor	6GB /8GB R
3	hp laptop 1		Edit	Delete	4gb ram	1 tb HD
4	Iphone x		Edit	Delete	5.8-inch Super Retina AMOLED display	2,436 x 1,121 pixels (458 ppi)
5	tshirt		Edit	Delete	flexible	smooth
6	short sleeve tee		Edit	Delete	100% cotton Machine- wash	Black solid shirt, has a round neck short slee
7	apple mac air		Edit	Delete	13.3-inch (diagonal) LED-backlit glossv	processor 1.2GHz

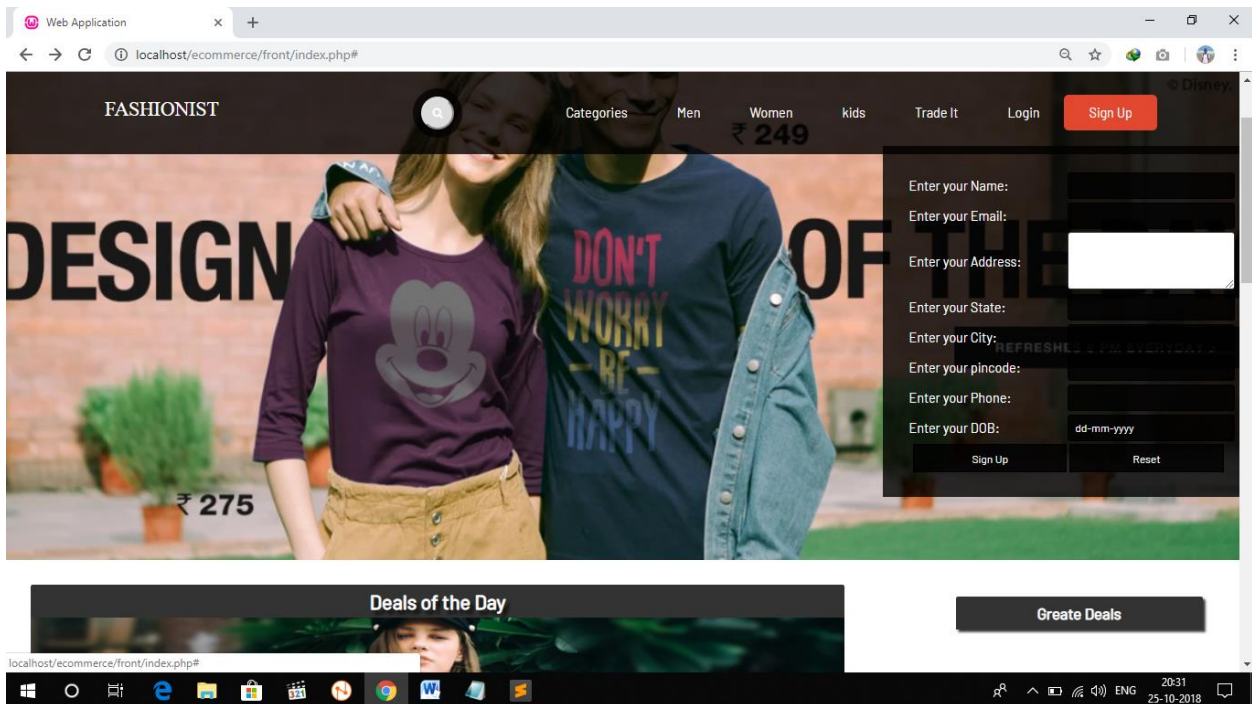
Fig 4.3.5:

Fig 4.3.6:

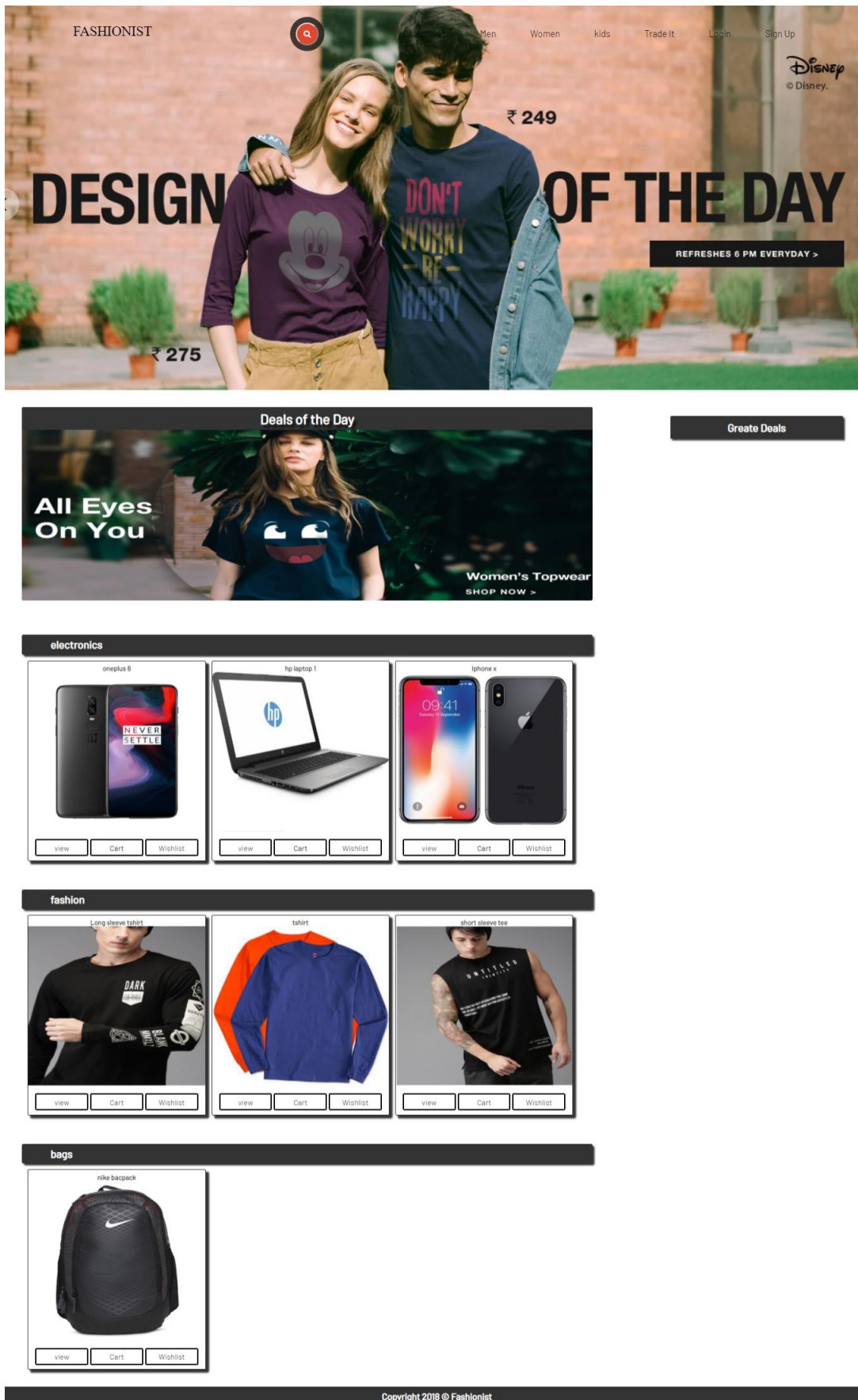




Fig 4.3.7:

FASHIONIST

Categories Men Women kids Trade It Login Sign Up




oneplus 6

- Snapdragon 845 processor
- 6GB /8GB RAM
- 16MP + 20MP dual camera
- OxygenOS only offers meaningful features and smart software optimizations.
- Water resistant under certain conditions.
- Model no :4
- warrenty :1 year


Selling Price:34999

Buy Now Add to Cart


More Like This




oneplus 6
Price: ₹34999



hp laptop 1
Price: ₹42000



lphone x
Price: ₹70000



apple mac air
Price: ₹103000

CHAPTER-5: LIMITATIONS AND FUTURE ENHANCEMENT

5.1: Future Enhancements

- Login & SignUp.
- Make website responsive.
- Make payment gateway.
- Chat app for sell & buy.
- Location generated products.
- Search Engine Optimisation.

CHAPTER 6: CONCLUSION

6.1: Conclusion

Hence I conclude that this website will provide the greates online shopping experience to customers
.

6.2: References

- <https://youtu.be/N0L5k0QEzW4>