

## ASSIGNMENT 2 FRONT SHEET

<b>Qualification</b>	<b>BTEC Level 5 HND Diploma in Computing</b>		
<b>Unit number and title</b>	10: Website Design & Development		
<b>Submission date</b>		<b>Date Received 1st submission</b>	
<b>Re-submission Date</b>		<b>Date Received 2nd submission</b>	
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<b>Student declaration</b>  I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice.			
		<b>Student's signature</b>	hoanganh

### Grading grid

P5	P6	P7	M4	M5	D2	D3



⚙ **Summative Feedback:**  
**Feedback:**

⚙ **Resubmission**

**Grade:**

**Assessor Signature:**

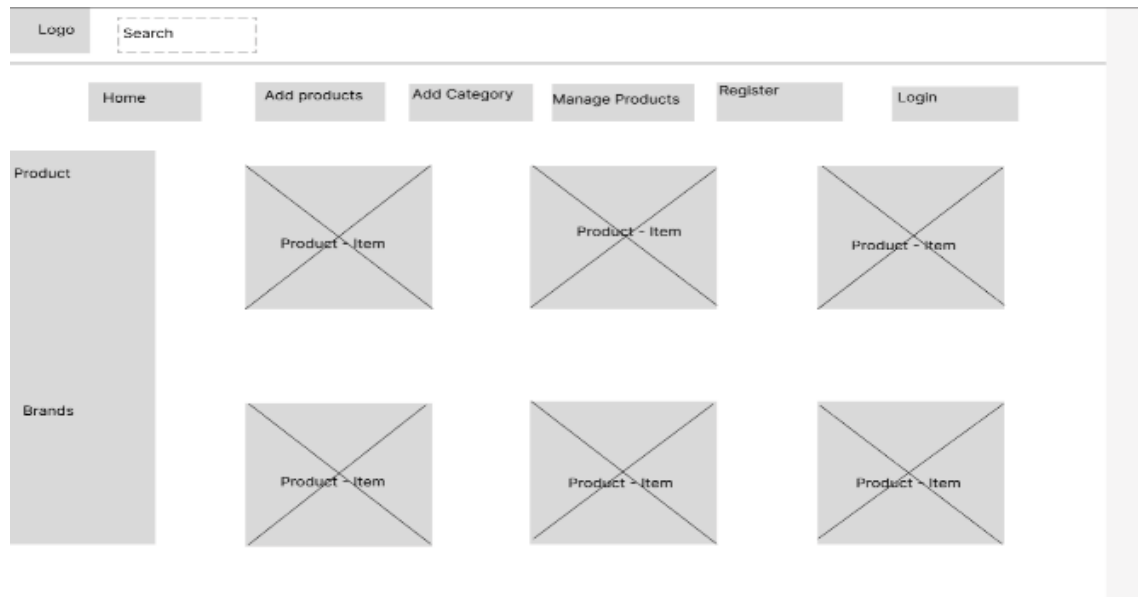
**Date:**

**Signature & Date:**

## A. Introduce

## B.

1. Create a design document for a branded, multipage website supported with medium fidelity wireframes and a full set of client and user requirements.



*Figure 1:Home page*

Product Name	
Product Price	
Product Image	Choose file
Product Description	
Product Quantity	
Product Supplier	
Category Name	Add

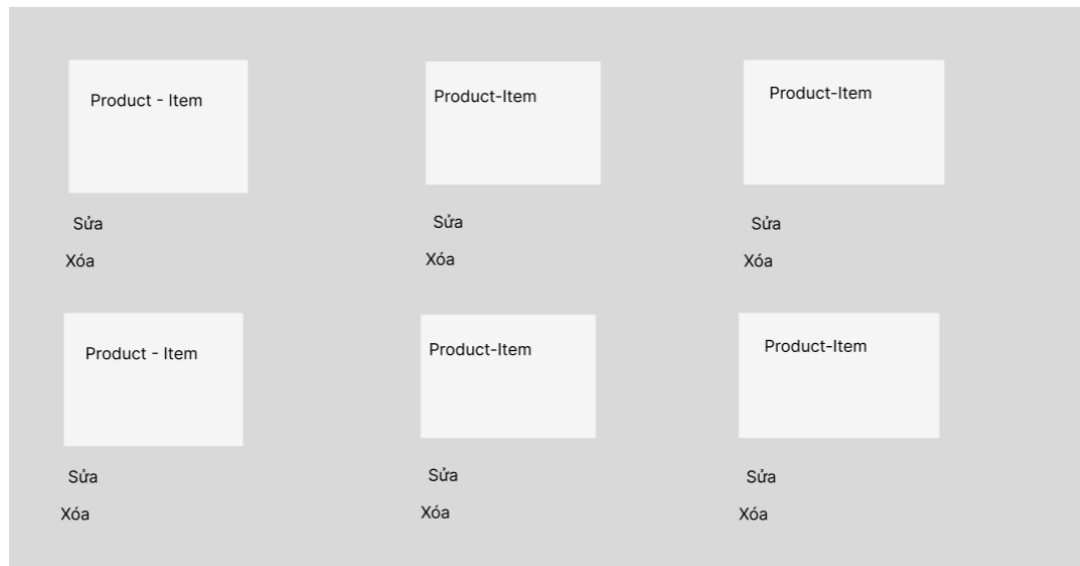
*Figure 2:Add products*

Category ID:

Category Name

Add New

*Figure 3: Add new*



*Figure 4:Manage Products*

User ID

User Name

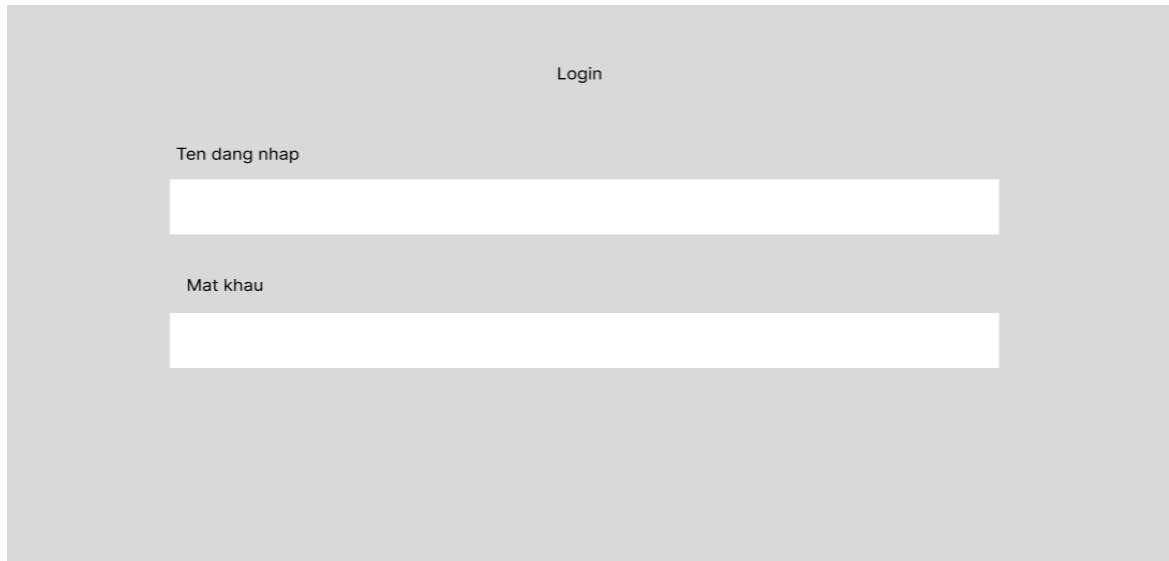
PassWord

Full Name

Register

*Figure 5: Register*





A screenshot of a login form on a light gray background. At the top center, the word "Login" is displayed. Below it, on the left, is the label "Ten dang nhap" followed by a white rectangular input field. Further down, on the left, is the label "Mat khau" followed by another white rectangular input field.

*Figure 6: Login form*

### 3.Database




← T →				user_id	username	password	fullname
<input type="checkbox"/>	 Sửa	 Chép	 Xóa bỏ	0	longnguyen	123	nguyenlong
<input type="checkbox"/>	 Sửa	 Chép	 Xóa bỏ	1	hoanganh	123	hoanganh
<input type="checkbox"/>	 Sửa	 Chép	 Xóa bỏ	4	hoanganh	123	Nguyen Hoang Anh
<input type="checkbox"/>	 Sửa	 Chép	 Xóa bỏ	10	manh long	123	long nguyen
<input type="checkbox"/>	 Sửa	 Chép	 Xóa bỏ	11	minh	123	vanminh

Figure 7:User

← T →	product_id	product_name	product_price	product_image	product_description	product_quantity	product_supplier	categ
<input type="checkbox"/> Sửa <input type="checkbox"/> Chép <input type="checkbox"/> Xóa bỏ	2	Chanel	20.000.000đ	vongtay1.jpg	A bracelet from Chanel	100	Chanel	
<input type="checkbox"/> Sửa <input type="checkbox"/> Chép <input type="checkbox"/> Xóa bỏ	3	Gucci	15.000.000đ	vongtay2.jpg	A silver bracelet from Gucci	100	Gucci	
<input type="checkbox"/> Sửa <input type="checkbox"/> Chép <input type="checkbox"/> Xóa bỏ	4	Vivienne Westwood	7.000.000đ	vongtay3.jpg	A bracelet from Vivienne Westwood	100	Vivienne Westwood	
<input type="checkbox"/> Sửa <input type="checkbox"/> Chép <input type="checkbox"/> Xóa bỏ	5	Gucci	8.500.000đ	vongtay4.jpg	A bracelet from Gucci	100	Gucci	
<input type="checkbox"/> Sửa <input type="checkbox"/> Chép <input type="checkbox"/> Xóa bỏ	6	Vivienne Westwood	5.000.000đ	vongtay5.jpg	A heart symbol bracelet	100	Vivienne Westwood	
<input type="checkbox"/> Sửa <input type="checkbox"/> Chép <input type="checkbox"/> Xóa bỏ	7	Chanel	30.000.000đ	vongtay6.jpg	A gold brace from Chanel	100	Chanel	
<input type="checkbox"/> Sửa <input type="checkbox"/> Chép <input type="checkbox"/> Xóa bỏ	8	Chanel CoCo Crush	45.000.000đ	nhan1.jpg	A gold ring from Chanel	100	Chanel	
<input type="checkbox"/> Sửa <input type="checkbox"/> Chép <input type="checkbox"/> Xóa bỏ	9	Chanel Ultra Ring	22.000.000đ	nhan2.jpg	A ring from Chanel	100	Chanel	
<input type="checkbox"/> Sửa <input type="checkbox"/> Chép <input type="checkbox"/> Xóa bỏ	10	Vivienne Westwood Ring	7.450.000đ	nhan3.jpg	A ring from Vivienne Westwood	100	Vivienne Westwood	
<input type="checkbox"/> Sửa <input type="checkbox"/> Chép <input type="checkbox"/> Xóa bỏ	11	Vivienne Westwood Ring	9.500.000đ	nhan4.jpg	London Orb Ring	100	Vivienne Westwood	
<input type="checkbox"/> Sửa <input type="checkbox"/> Chép <input type="checkbox"/> Xóa bỏ	13	Gucci 18K White Gold Ring	115.000.000đ	nhan5.jpg	18K white gold ring from Gucci	100	Gucci	

Figure 8:Products

Link website: <https://drive.google.com/drive/folders/1x2J2ac8S692st0v0e30gLFG-AuiakEc4?usp=sharing>

C.

1. Tools and languages for development:

-Front End: HTML,CSS

-BackEnd: PHP,MySQL

2.How the website work:



The image shows a login form with a dark background. At the top, the word "Login" is centered in a white serif font. Below it, there are two input fields. The first field is labeled "Tên đăng nhập" (Username) with a person icon on the left. The second field is labeled "Mật khẩu" (Password) with a key icon on the left and an eye icon on the right to toggle visibility. Below these fields is a large rectangular button with the text "ĐĂNG NHẬP" (Login) in all caps.

*Figure 9:Login*

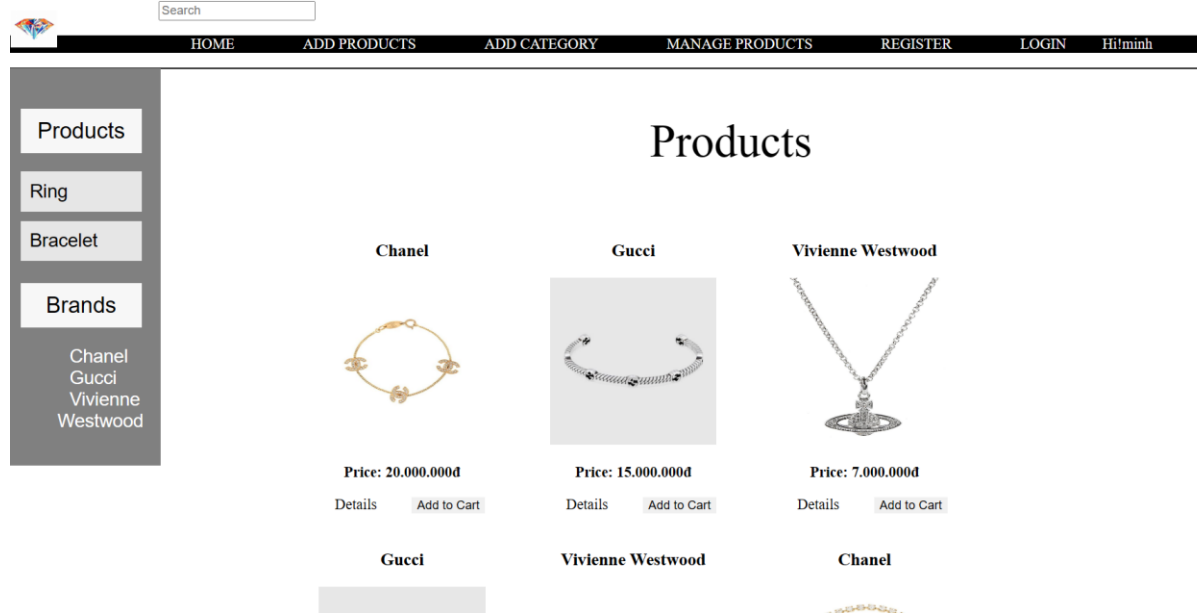


Figure 10:Home Page

Product Name	<input type="text"/>
Product Price	<input type="text"/>
Product Image	<input type="button" value="Choose File"/> No file chosen
Product Description	<input type="text"/>
Product Quantity	<input type="text"/>
Product Supplier	<input type="text"/>
Category Name	<input type="text" value="Nhấn"/>
	<input type="button" value="Thêm"/>

*Figure 11: Add products*

Category ID:

Category Name:

[Add new](#)

*Figure 12: Add Category*

### Chanel



**Price: 20.000.000đ**

Details

Add to Cart

•

Xóa Sản Phẩm

•

Sửa Sản Phẩm

### Gucci



**Price: 15.000.000đ**

Details

Add to Cart

•

Xóa Sản Phẩm

•

Sửa Sản Phẩm

### Vivienne Westwood



**Price: 7.000.000đ**

Details

Add to Cart

•

Xóa Sản Phẩm

•

Sửa Sản Phẩm

*Figure 13: Manage Prodcuts*



User ID:

User Name:

Password:

Full Name:

Register

*Figure 14: Register*

My code:

1. This snippet of code is used to create the homepage

```
<div class="wrapper">
  <div class="header">
    <div class="logo">
      
    </div><!-- .header_logo-->

    <form class="search_form" action="search.php" method="get">
      <input type="text" placeholder="Search" name="search" data-validate="required">
    </form>

  </div>
</div>
<!-- end header -->
<div class="menu">
  <ul>
    <li> <a href="http://localhost/IT0601/index.php"> Home </a> </li>
    <li><a href="http://localhost/IT0601/add_product.php"> Add Products </a> </li>
    <li> <a href="http://localhost/IT0601/add_category.php">Add Category </a></li>
    <li> <a href="edit.php"> Manage Products</a></li>
    <li><a href="http://localhost/IT0601/demoRegister.php"> Register</a></li>
    <li><a href="http://localhost/it0601/login.php">Login</a></li>
    <li style="color: white;"> Hi!<?php if(isset($_SESSION['username'])){echo $_SESSION['username'];}?></li>

  </ul>
</div>
<div class="content">
  <div class="left">
    <p> Products </p>
    <div class="category">
      <ul>
        <li> <a href="#">Ring </a></li>
        <li> <a href="#">Bracelet </a></li>
      </ul>
    </div>
  <p> Brands </p>
  <div class="brand">
    <ul>
      <li> <a href="#">Chanel </a></li>
      <li> <a href="#">Gucci </a></li>
      <li> <a href="#">Vivienne Westwood </a></li>
    </ul>
  </div>
</div>
```

Figure 15: Index

```
<div class="content">
  <div class="left">
    <p> Products </p>
    <div class="category">
      <ul>
        <li> <a href="#">Ring </a></li>
        <li> <a href="#">Bracelet </a></li>
      </ul>
    </div>
    <p> Brands </p>
    <div class="brand">
      <ul>
        <li> <a href="#">Chanel </a></li>
        <li> <a href="#">Gucci </a></li>
        <li> <a href="#">Vivienne Westwood </a></li>
      </ul>
    </div>
  </div>
  <div class="right">
    <p style="text-align: center;font-size: 50px"> Products </p>
    <div class="products_box">
      <?php

      $connect = mysqli_connect('localhost','root','','it0601');

      if(!$connect){
        echo('Error');
      }
      $sql = "select * from products";
      $result = mysqli_query($connect,$sql);
      while($row_product=mysqli_fetch_array($result)){
        $product_id = $row_product['product_id'];
        $product_name = $row_product['product_name'];
        $product_price = $row_product['product_price'];
        $product_image = $row_product['product_image'];
        ?>
        <div class="single_product">
          <h3><?php echo $product_name?></h3>
          
          <p><b> Price: <?php echo $product_price ?></b></p>
          <a href="detail.php?id=<?php echo $product_id ?>" style="color: black; text-decoration: none; width: 100px; display: inline-block;">Details</a>
          <a href="index.php?add_cart=<?php echo $product_id ?>" style="float:right; border: none; width: 100px; display: inline-block;">
            <button style="border:none;">Add to Cart</button>
          </a>
        </div>
      </div>
    </div>
  </div>
</div>
```

Figure 16:Index

## 2. This code is used to create the product management page

```
<?php

$connect = mysqli_connect('localhost','root','','it0601');

if(!$connect){
    echo('Error');
}

$sql = "select * from products";
$result = mysqli_query($connect,$sql);
while($row_product=mysqli_fetch_array($result)){
    $product_id = $row_product['product_id'];
    $product_name = $row_product['product_name'];
    $product_price = $row_product['product_price'];
    $product_image = $row_product['product_image'];
    ?>
    <div class="single_product">
        <h3><?php echo $product_name?></h3>
        
        <p><b> Price: <?php echo $product_price ?></b></p>
        <a href="detail.php?id=<?php echo $product_id ?>" style="color: black; text-decoration: none; width: 100px; display: inline-block;">Details</a>
        <a href="index.php?add_cart=<?php echo $product_id ?>" style="float:right; border: none; width: 100px; display: inline-block;">
            <button style="border:none;">Add to Cart</button>
        </a>
    </div>
    <li>
        <form method="POST" action="">
            <input type="hidden" name="product_id" value="<?php echo $product_id ?>" />
            <button type="submit" name="delete" style="margin-left: 62px;color: red;">Xóa Sản Phẩm</button>
        </form>
    </li>
    <li>
        <form method="POST" action="">
            <input type="hidden" name="product_id" value="<?php echo $product_id ?>" />
            <button type="submit" name="edit" style="margin-left: 62px;">Sửa Sản Phẩm</button>
        </form>
    </li>
</div>
<?php
```

Figure 17:Manage products

3. This snippet of code is used to create the search:

```
<?php

$connect = mysqli_connect('localhost','root','','it0601');

if(!$connect){
    echo('Error');
}

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

    $sql = "select * from products where product_name like '%{$search}%'";
    $result = mysqli_query($connect,$sql);
    while($row_product=mysqli_fetch_array($result)){
        $product_id = $row_product['product_id'];
        $product_name = $row_product['product_name'];
        $product_price = $row_product['product_price'];
        $product_image = $row_product['product_image'];
        ?>
        <div class="single_product">
            <h3><?php echo $product_name?></h3>
            
            <p><b> Price: <?php echo $product_price ?></b></p>
            <a href="detail.php?id=<?php echo $product_id ?>" style="color: black; text-decoration: none; width: 100px; display: inline-block;">Details</a>
            <a href="index.php?add_cart=<?php echo $product_id ?>" style="float:right; border: none; width: 100px; display: inline-block;">
                <button style="border:none;">Add to Cart</button>
            </a>
        </div>
    <?php
}
?>
```

Figure 18:Search

4. This snippet of code is used to create the detail page

```
<?php
$connect = mysqli_connect('localhost','root','', 'it0601');
if(!$connect){
    echo('Error');
}
$id=$_GET["id"];
$sql="SELECT * FROM products WHERE product_id={$id} ";
$result= mysqli_query($connect,$sql);
if ($row = mysqli_fetch_assoc($result)) {
    $product_id = $row['product_id'];
    ?>
    <div style="float:left">
        
    </div>
    <div style=" text-align: left;">
        <h2>Name Of Product: <?php echo $row['product_name'] ?></h2>
        <p style="color: red;padding-left: 20px;"> Price: <?php echo $row['product_price']." $"; ?></p>
        <br>
        <br>
        <a href='single.php?add_cart=<?php echo $product_id ?>'>
            <button style='float:right'>Add to Cart</button>
        </a>
        <br>
        <br>
        <div style="border-bottom: 1px solid black"></div>
        <br>
        <h2>
            Basic product info:
        </h2>
        <p><?php echo $row["product_description"]; ?></p>
    </div>
    <?php
} else {
    echo "Product not found";
}
?>
```

*Figure 19:Detail*

5. This code is used to create the registration page



```
<body>
  <form action="" method="POST">
    User ID: <input type="text" name="user_id"> <br>
    User Name: <input type="text" name="user_name"> <br>
    Password: <input type="text" name="password"> <br>
    Full Name: <input type="text" name="fullname"> <br>
    <input type="submit" name="register" value="Register">
  </form>
<?php
  $connect = mysqli_connect("localhost","root","","it0601");
  if(!$connect){
    echo "ket noi that bai";
  }
  if(isset($_POST['register'])){
    $user_id = $_POST['user_id'];
    $username = $_POST['user_name'];
    $password = $_POST['password'];
    $fullname = $_POST['fullname'];
    $sql = "INSERT INTO users values('$user_id','$username','$password','$fullname')";
    //thuc thi truy van
    $result = mysqli_query($connect,$sql);
    if($result){
      echo "Them moi thanh cong";
    }
    else{
      echo "them moi that bai";
    }
  }
?>
```

Figure 20: Register

## 6. This snippet of code is used to create the product add page

```
<?php
    $sql2 = 'select * from category';
    $result2 = mysqli_query($connect, $sql2);
    while($row_cat = mysqli_fetch_array($result2)){
        $category_id=$row_cat['category_id'];
        $category_name=$row_cat['category_name'];
        echo "<option value='".$category_id.">$category_name</option>";
    }
}
</select>
</td>
</tr>

<tr>
<td> </td>
<td><input type="submit" name="add_product" value="Thêm"> </td>
</tr>
</table>

</form>

<?php
if(isset($_POST['add_product'])){
    $product_name = $_POST['product_name'];
    $product_price = $_POST['product_price'];
    //Lấy ảnh từ thư mục bất kỳ của máy tính
    $product_image = $_FILES['product_image']['name'];
    // di chuyển ảnh từ thư mục bất kỳ sang thư mục tmp của httdocs
    $product_image_tmp = $_FILES['product_image']['tmp_name'];

    // Đưa ảnh từ thư mục tmp sang thư mục cần lưu
    move_uploaded_file($product_img_tmp, "Images/$product_image");

    $product_description = $_POST['product_description'];
    $product_quantity = $_POST['product_quantity'];
    $product_supplier = $_POST['product_supplier'];
    $category_id = $_POST['category_id'];
    //Thêm sản phẩm vào cơ sở dữ liệu
    $sql = "INSERT INTO products VALUES(NULL,'$product_name','$product_price','$product_image','$product_description','$product_quantity','$product_supplier','$category_id')";
    $result = mysqli_query($connect,$sql);
    if($result){
        echo"<script>alert('Thêm mới sản phẩm thành công') </script>";
        echo"<script> window.open('index.php','_self') </script>";
    }
    else{
        echo"<script>alert('Thêm mới lỗi') </script>";
    }
}
}
```

Figure 21:Add products

7. This code is used to create the category page

```
<?php
$connect = mysqli_connect('localhost','root','','it0601');
if($connect){
    echo "ket noi thanh cong";
}
else{
    echo "ket noi that bai";
}
if(isset($_POST['add_category'])){
    $category_id = $_POST['category_id'];
    $category_name = $_POST['category_name'];

    $sql = "INSERT INTO category VALUES ('$category_id','$category_name')";
    $result = mysqli_query($connect, $sql);
    if($result){
        echo "<script>alert('Them thanh cong')</script>";
    }
    else{
        echo "<script>alert('Them that bai') </script>";
    }
}
?>
```

*Figure 22: Add category*

8. This snippet of code is used to create the login page

```
<?php
$connect = mysqli_connect("localhost","root","","it0601");
if($connect){
    echo"<script>alert('kết nối thành công')</script>";
}
else{
    echo"<script>alert('kết nối thất bại')</script>";
}

//B2 viết câu truy vấn

if(isset($_POST['login'])){
    $username = $_POST['username'];
    $password = $_POST['password'];
    $sql = "SELECT * FROM users WHERE username = '$username' AND password = '$password'";
    //B3: Thực thi truy vấn và trả về kết quả
    $result = mysqli_query($connect,$sql);
    //B4: xử lý kết quả
    $count = mysqli_num_rows($result);
    if($count>0){
        echo "Đăng nhập thành công";
        $_SESSION['username']=$_POST['username'];
        header("location:http://localhost/IT0601/index.php");
    }
    else{
        echo "Đăng nhập thất bại";
    }
}

?>
<body>
<div id="wrapper">
    <form action="" id="form-login" method="Post">
        <h1 class="form-heading">Login</h1>
        <div class="form-group">
            <i class="far fa-user"></i>
            <input type="text" class="form-input" placeholder="Tên đăng nhập" name="username">
        </div>
        <div class="form-group">
            <i class="fas fa-key"></i>
            <input type="password" class="form-input" placeholder="Mật khẩu" name="password">
            <div id="eye">
                <i class="far fa-eye"></i>
            </div>
        </div>
        <input type="submit" value="Đăng nhập" class="form-submit" name="login">
    </form>
</div>
</body>
</html>
```

Figure 23:Login

## D.Test Plan

### 1.Test UI

Criteria Detail	Detail
Website colors	Black,Grey,White
Font	Times New Roman
Images	Clarity
The size, location, width, height of the elements. The size, location, width, height of the elements.	Display clearly and reasonably on devices
Interface	Not attract

### 2.Test UX

Criteria Detail	Detail

When open the website on another devices	Icons, images, reasonable size on devices
Website loading time	Fast 3second
User attitude to the site	

### 3.Test case

•

No	Test case	Input data	Expected output	Actual output	Evaluation
1	Test link home	Localhost/IT0601/index.php	Display all product	Display all product	Pass
2	Test link login page	Username:hoanganh Password: 123	Display message"Login successfully"	Display message "Login"	Pass
3	Test link login page	Username:hoangggg (username is not in database) Password: 123456	Display message "Login Failed"	Display message "Login Failed"	Pass
4	Test link login page	Username: (blank) Password: (blank)	Display message "Login Failed"	Display message "Login failed"	Pass

	Add product	ProductName :			
5	Test link register	Username:hoanganh123 Password: 123 FullName: Nguyen Hoang Anh	Display “Register successfully”	Display “Register successfully”	Pass
6	Test link register	Username: hoanganh1234 Password: (blank)	Display message”Register failed”	Display message “Register Failed”	Pass
7	Test link register	Username: (blank) Password: 1234	Display message “username don’t blank”	Display message”username don’t blank”	Pass
8	Add product	Product_name: Gucci Product_price: 15.000.000đ Product_image: vongtay2 Product_description: A silver bracelet from Gucci Product_quantity: 100 Product_supplier: Gucci	Display message”add succesfully”	Display message”add succesfully”	Pass
9	Add product	Product_name: (blank) Product_price: 15.000.000đ Product_image: vongtay2 Product_description: A silver bracelet from Gucci Product_quantity: 100 Product_supplier: Gucci	Display message”Add failed”	Display message”Add failed”	Pass



10	Add product	Product_name: Gucci Product_price: (blank) Product_image: vongtay2 Product_description: A silver bracelet from Gucci Product_quantity: 100 Product_supplier: Gucci	Display message"Add failed"	Display message"Add failed"	Pass
----	-------------	---	-----------------------------	-----------------------------	------

### C.Conclusion

To sum up, this course has given me valuable insights and practical skills. I now have a deeper understanding of the subject matter and feel more confident in applying my learning to real-world situations.