

## ASSIGNMENT 2 FRONT SHEET

<b>Qualification</b>	<b>BTEC Level 5 HND Diploma in Computing</b>		
<b>Unit number and title</b>	<b>Unit 10: Website Design &amp; Development</b>		
<b>Submission date</b>	Sep – 04 – 2021	<b>Date Received 1st submission</b>	Sep – 04 – 2021
<b>Re-submission Date</b>		<b>Date Received 2nd submission</b>	
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<b>Student declaration</b> <p>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.</p>			
		<b>Student's signature</b>	Dang Tan Tai

### Grading grid

P5	P6	P7	M4	M5	D2	D3
x	x	x	x	x		

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**A. Create a design document for a branded, multipage website (P5) & compare and contrast the multipage website create to the design document (M4 )**

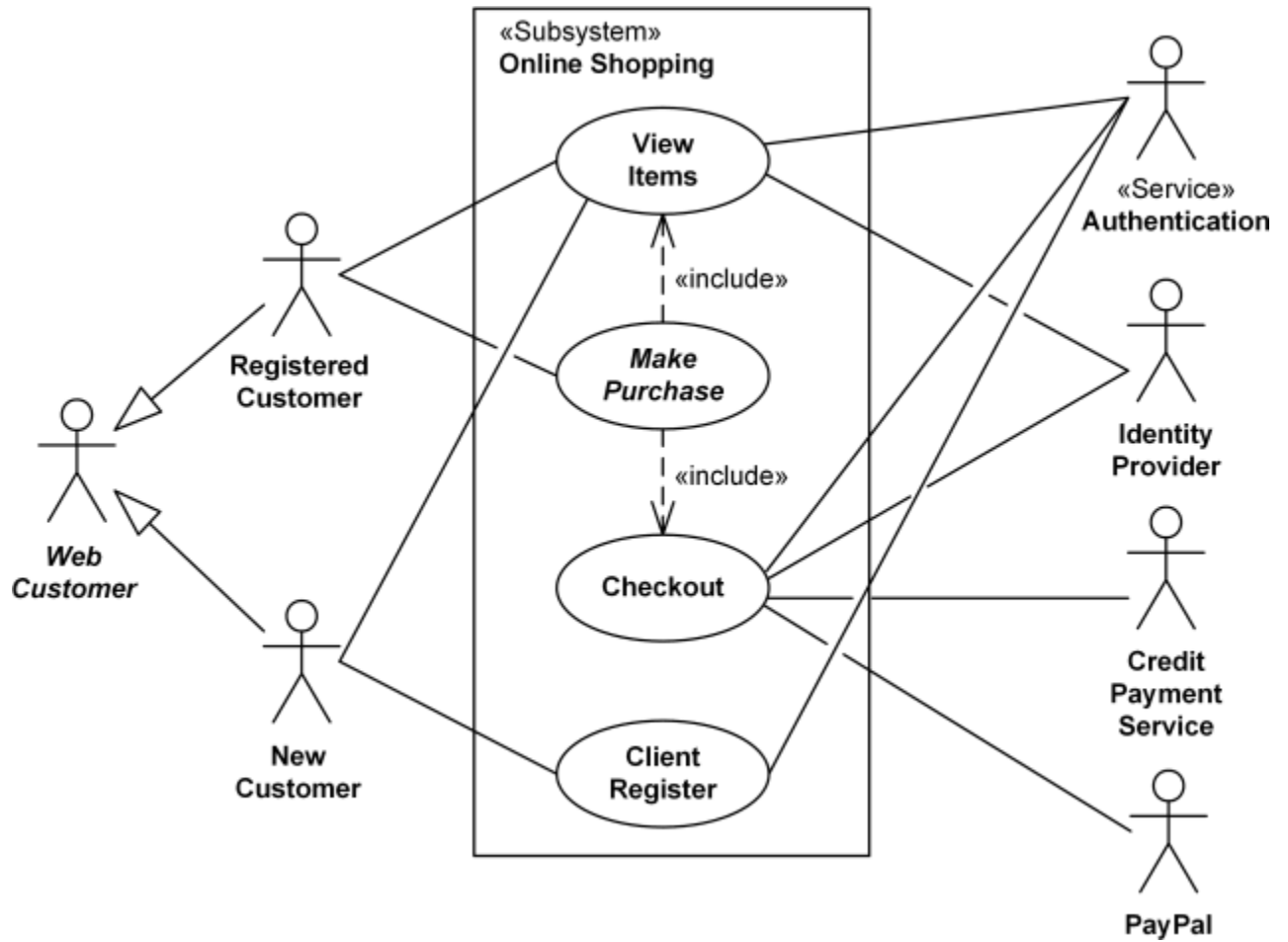
**1. Identify customer needs**

In a business website or application, there will always be 3 main groups of people. Inside:

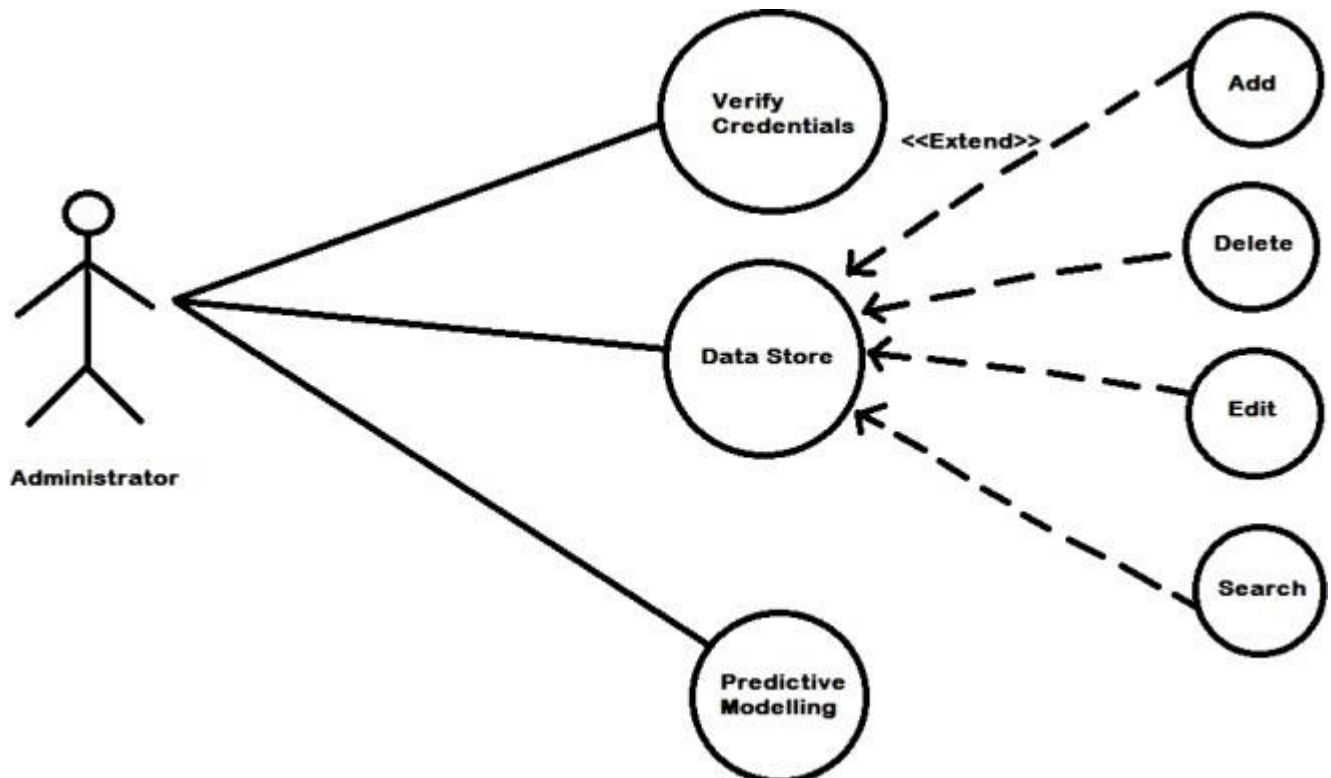
- The first group of customers is a group of people called "Visitors", this is a group of customers they have not yet become members of the business, they are customers who seek outside to visit the website and find Searching for product information in this group of people they can use some of the website's functions such as: product view, product detail view, product search.
- In the secondary customer group, the customer who has become a member of the business, this customer can receive some incentives from the business, they can buy goods or do some problems that are allowed at the level of the business. such as purchase, order, search, login/register, view products.
- The third group is the administrator group, which is the most powerful group of people on a website they run and do more things like adding products, deleting products, editing products, reading comments and deleting comments as well. Post blog posts for the website, add or remove customers, they can also view the details of each customer and also they can still see the status of the orders. At the same time, this third group is divided into 3 administrative rights: Website owner (full rights), post collaborators (Cannot delete products), IT Department (Full rights).

**2. Use the use case structure to represent the interaction between different users with the system**

In here, I would like to use UML use case diagram for online shopping of customer actor with top level use cases



Use case of admin:



### 3. Design wireframes for website

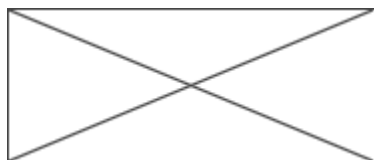
In here, I would like to build wireframes for design website

I have some rules for wireframe:

- This is the rules to display the list product in website:

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

- This is a block to show the images:



- This is a footer to leave the contact information and some basic information of company:

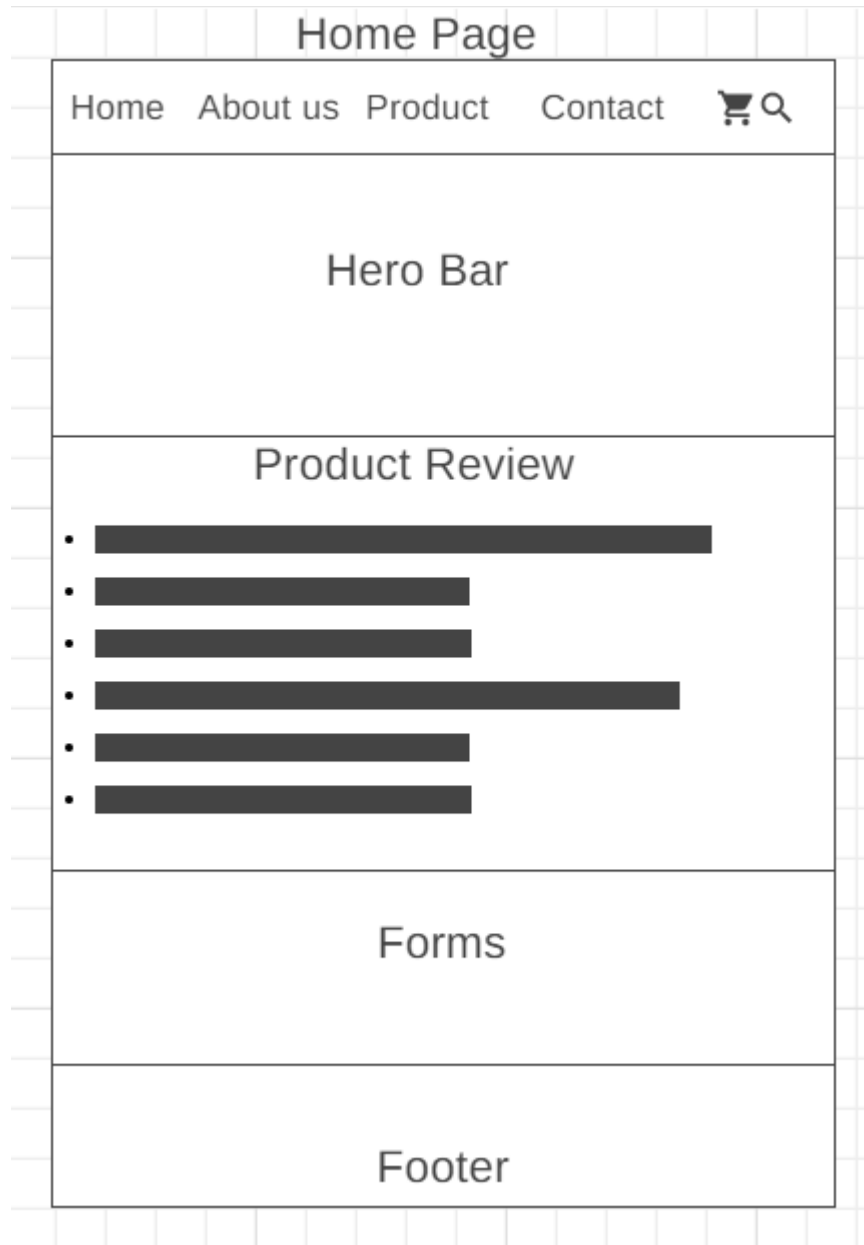
## Footer

- This is icon for shopping cart and searching:

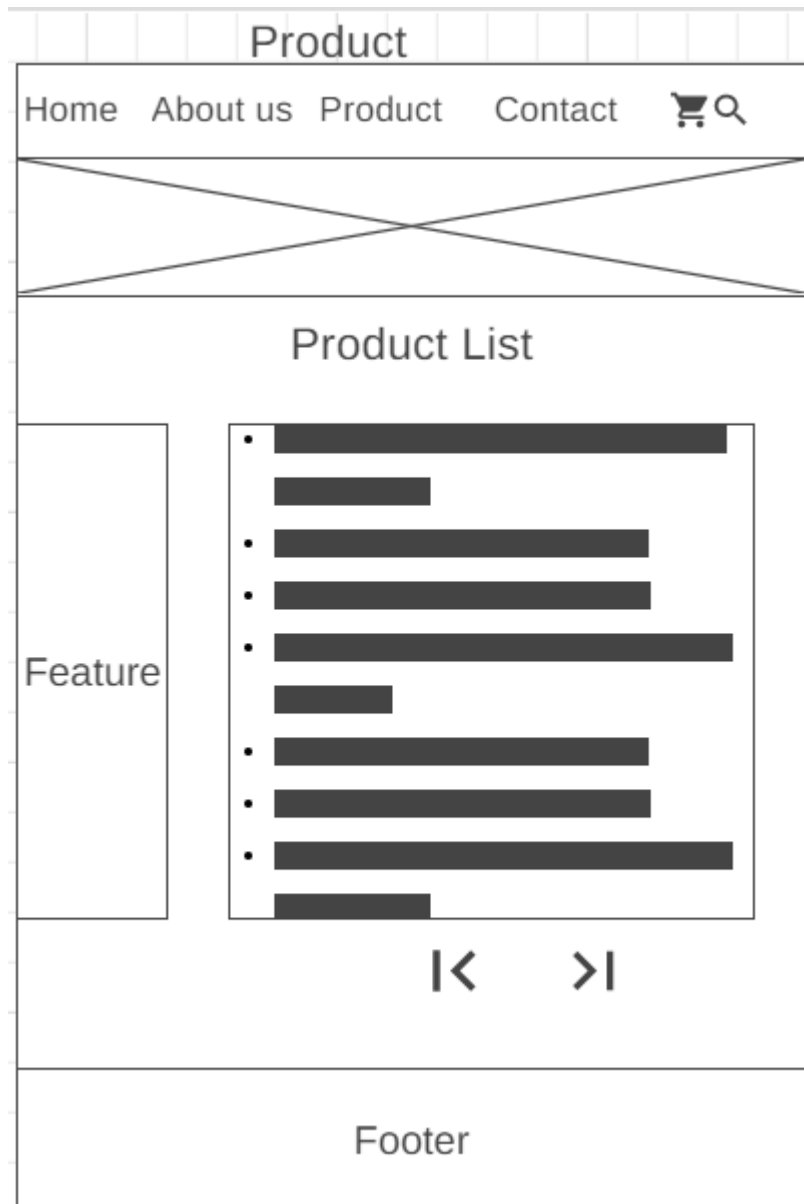


Some page on Desktop / Laptop:

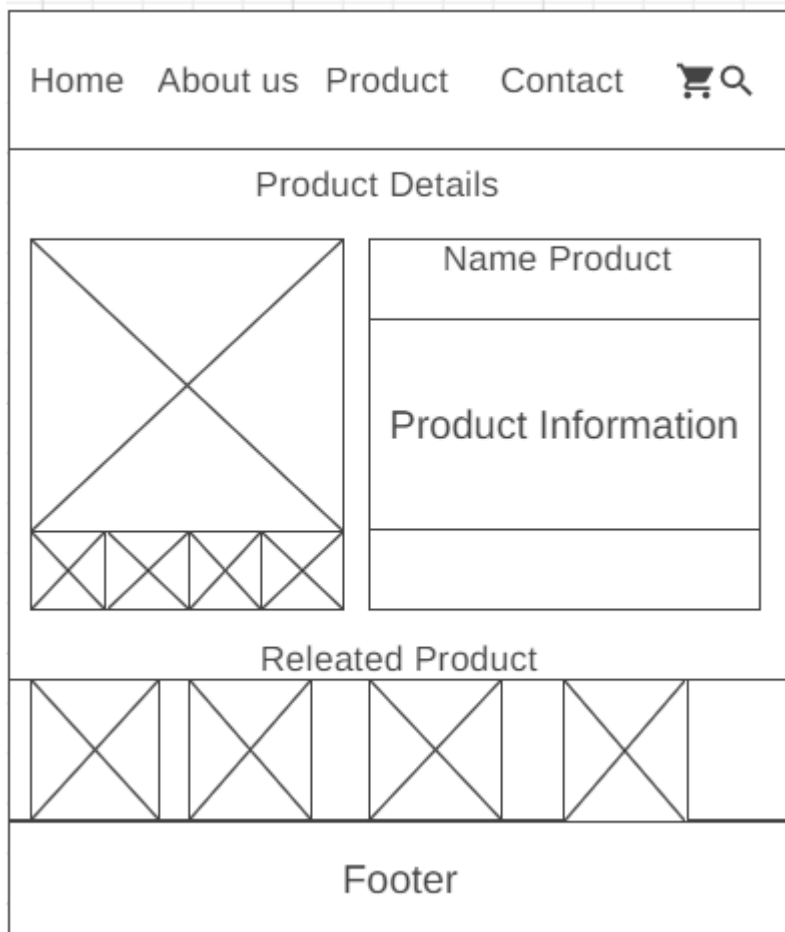
Wireframe of Home Page:



Wireframe of product list:

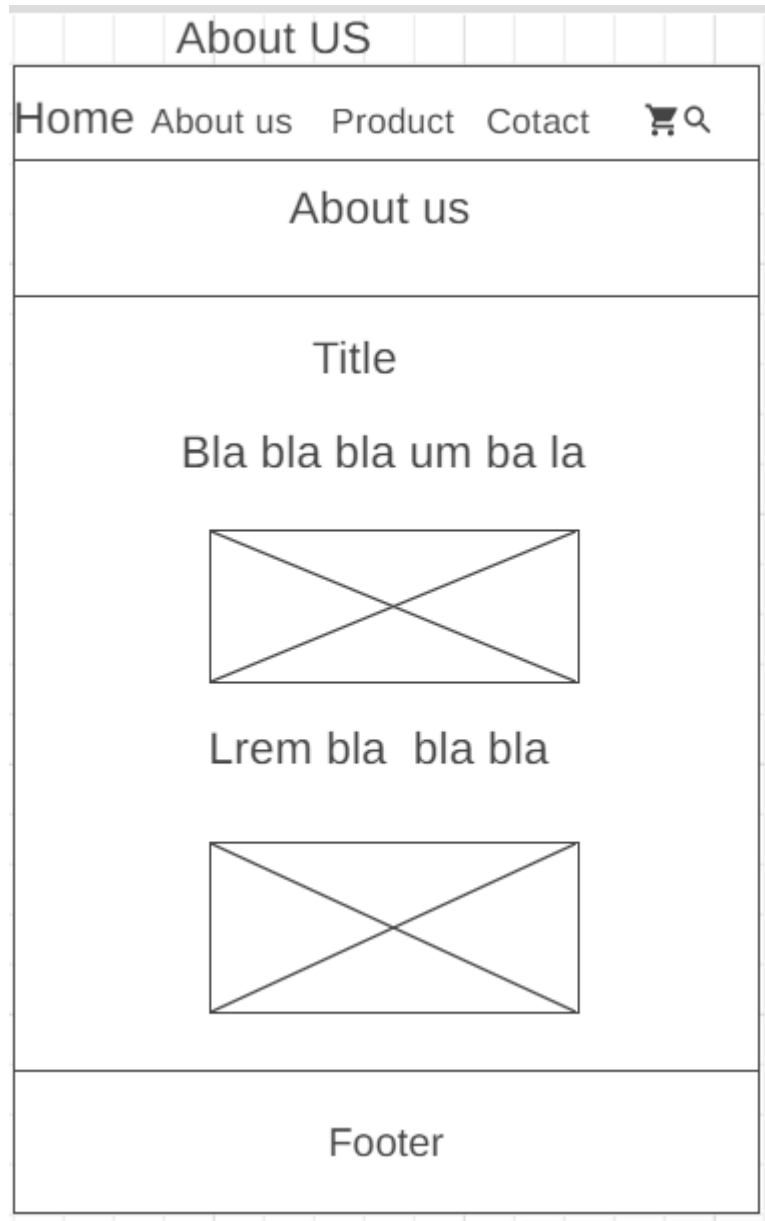


Wire frame of product details (common for user and admin):



Wireframe of page "About US"

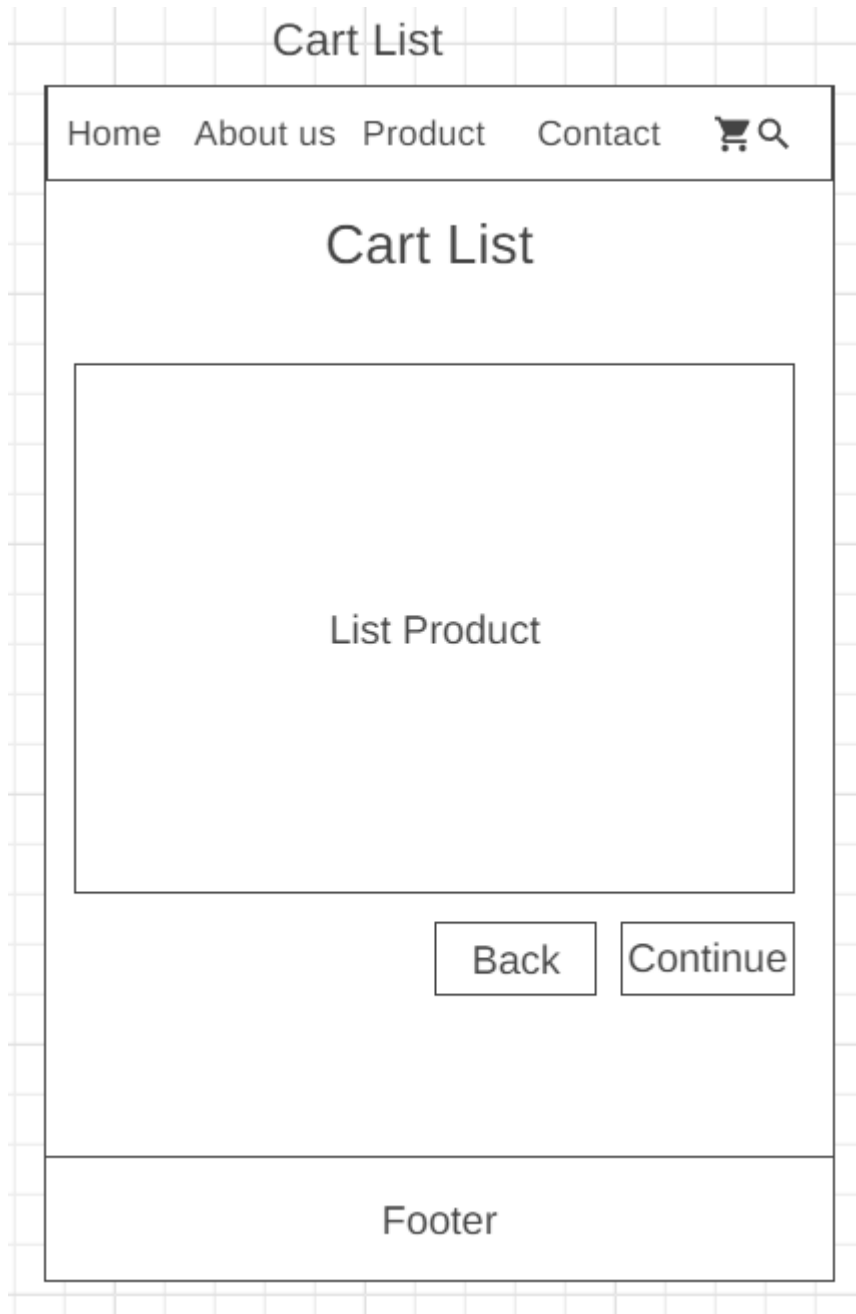




Wireframe of page "Contact Us"





Wireframe of cart list:



Wireframe of “Check out”

Check Out

Home About us Product Contact  

Check Out

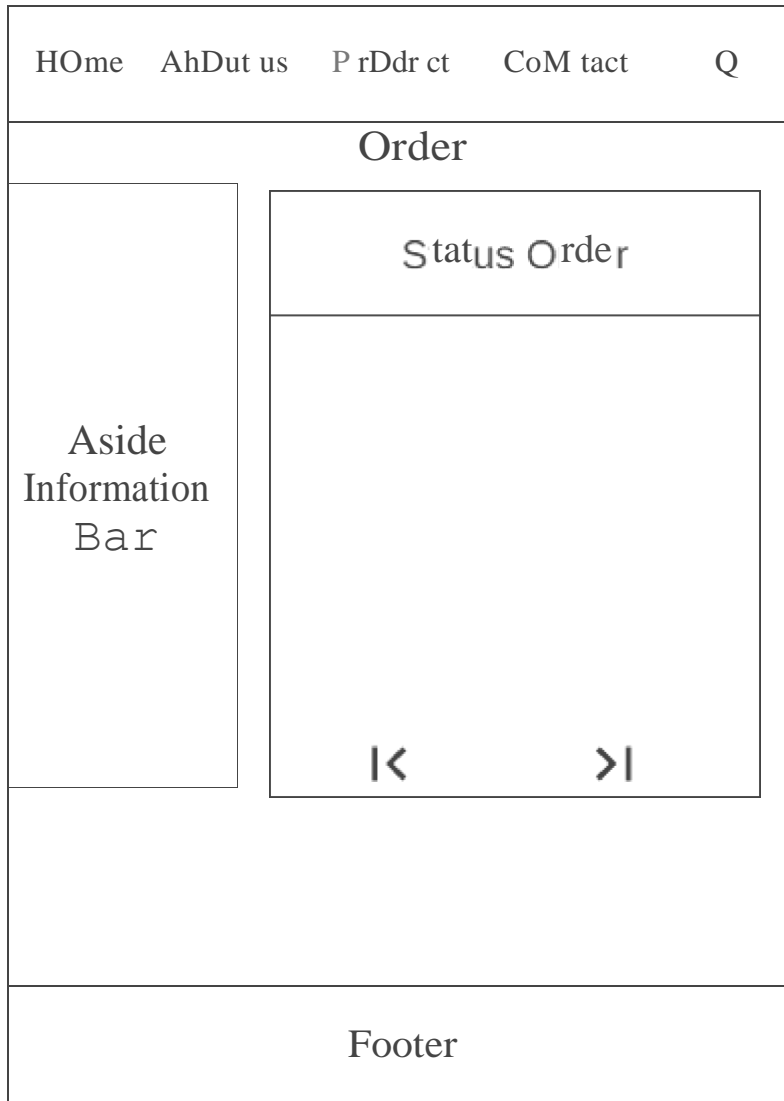
Form Check Information

Form Check Product List

Back Confirm

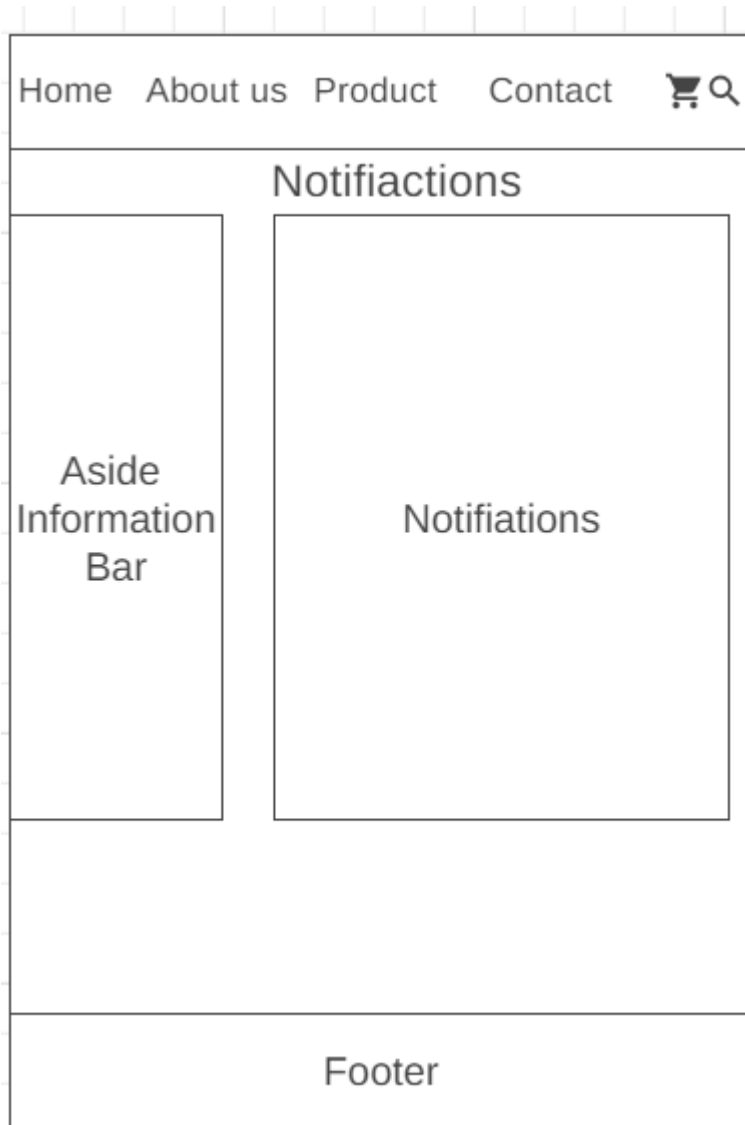
Footer

Wireframe of User:

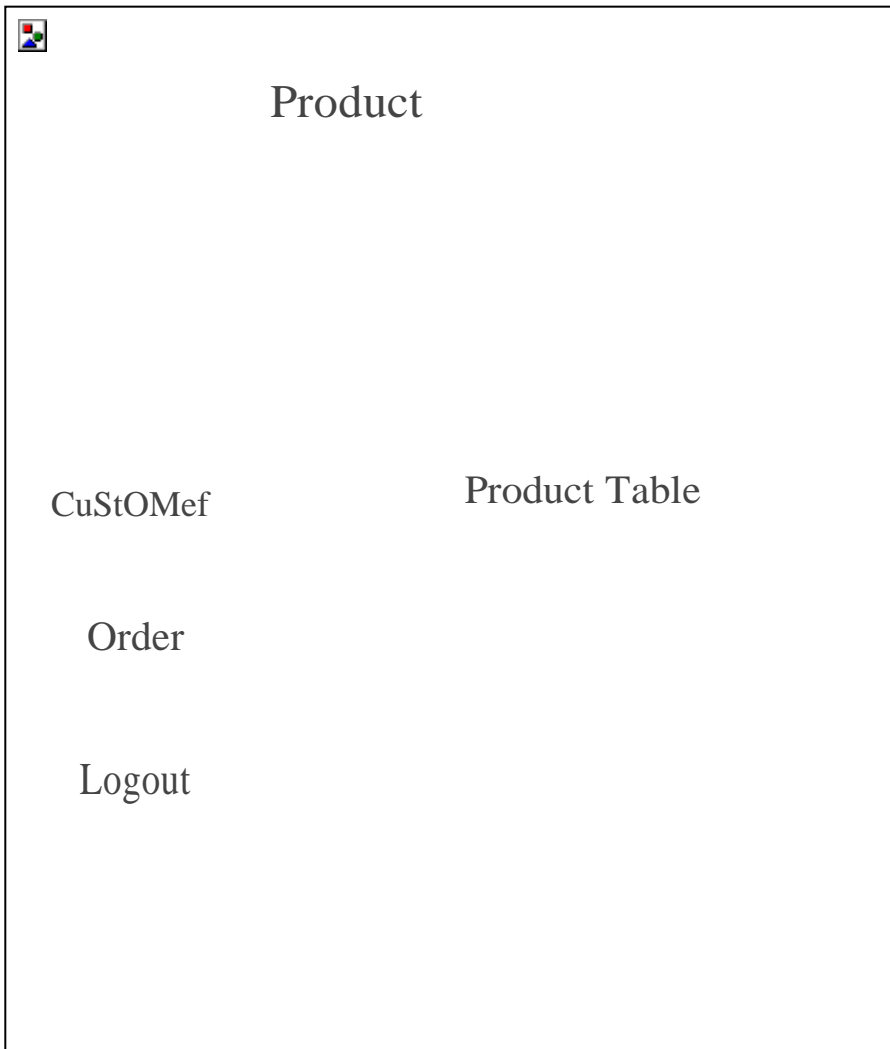


## User U.I

HDnie	Abas t us	Prods ct	CDDtñCt	Q
Profile				
Aside Information Bar	Forms Edit Profile			
Footer				



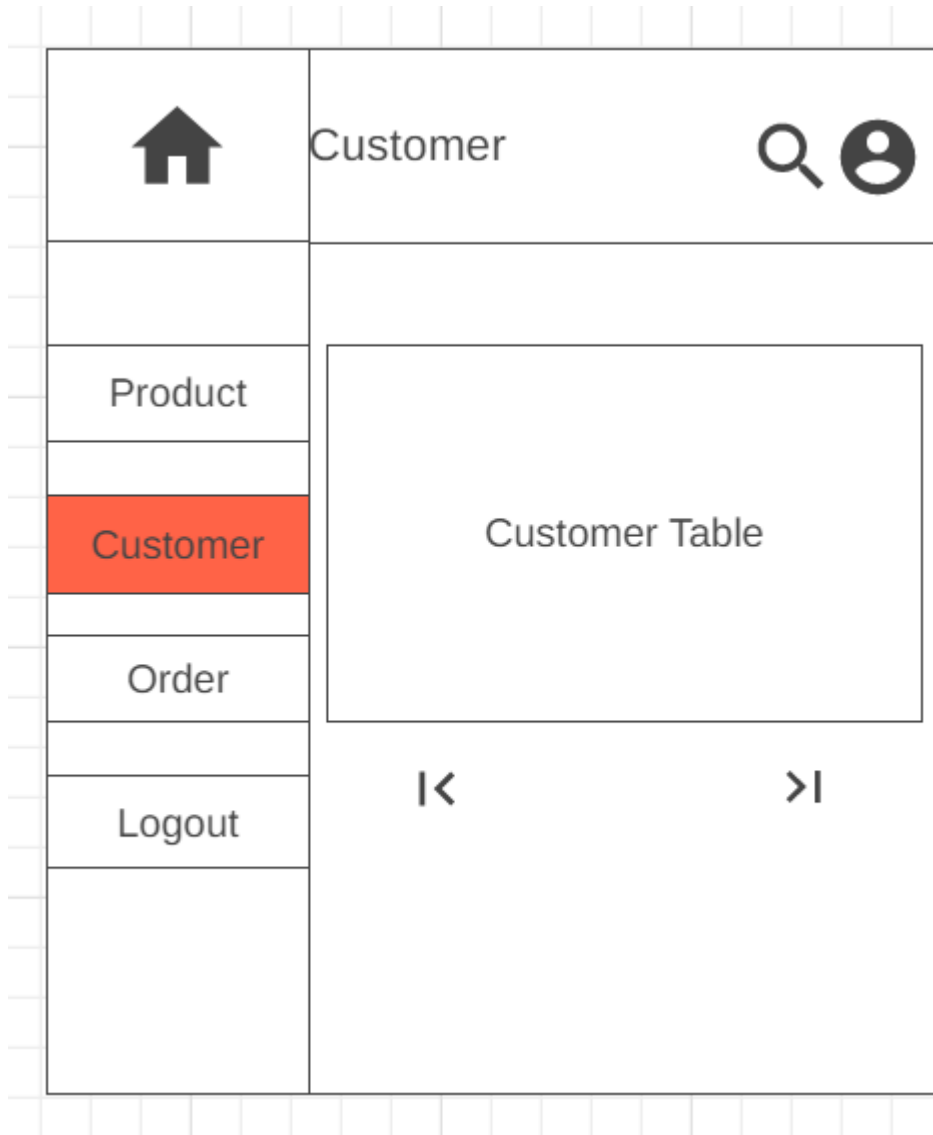
Some Admin Interface:







dd Product		
Customer	Name	Price
	<u>T e</u>	Amount
Order	Sale	Weight
Logout	Size	Brand



Some wireframes of Responsive:

HDme Page

Logo

Hero Bar

Product Review

COLITIS

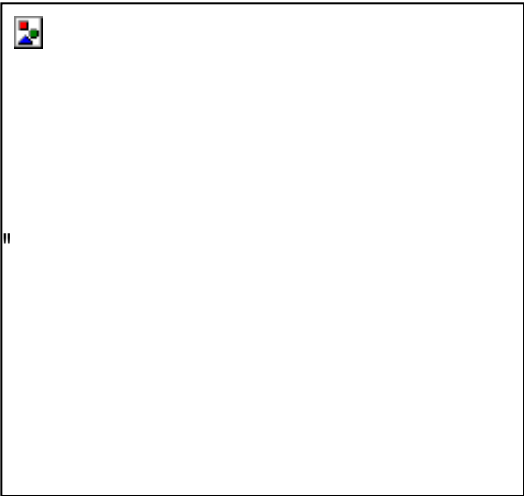
**Footer**

Product

Logo

Product List

Feature



i< >i

Footer

## About US



Logo

About us

Title

Bla bla bla um ba la

Lrem bla bla bla

Footer

## Contact Us



Logo

Contact Us

Send


Footer

## Cart List





Check Out

Logo	
<p>← Check Out</p> <div>Form Check Information</div> <div>Form Check Product List</div> <div>Confirm</div> <div>Footer</div>	

Some Common using for admin and user (Authentication):

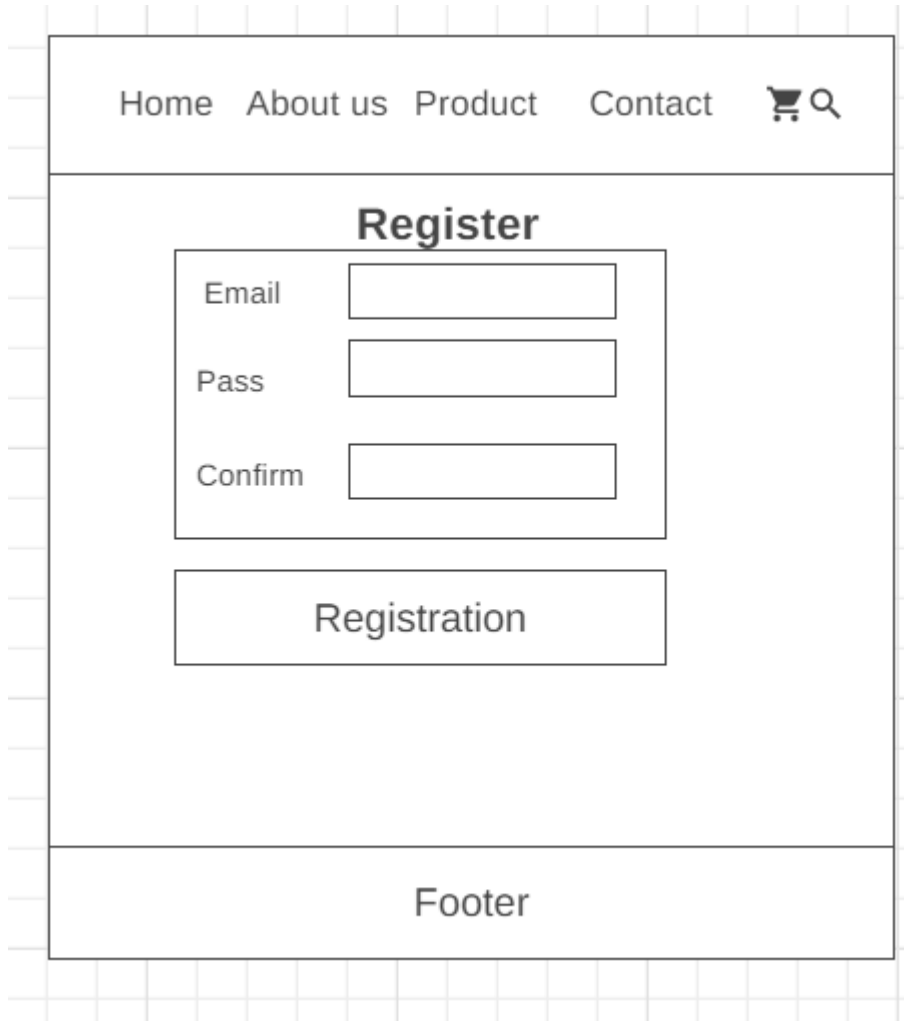


Name About us ProduCt Contact

Login

Login

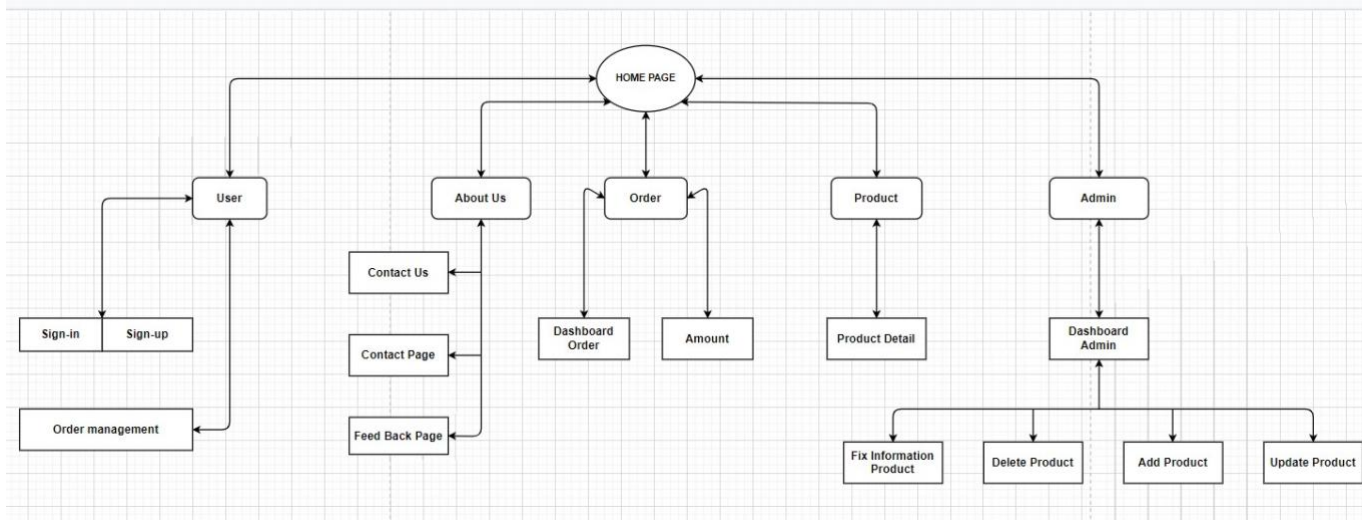
Footer



The wireframe shows a website layout on a grid background. At the top is a navigation bar with links: Home, About us, Product, Contact, and a shopping cart icon with a magnifying glass. Below this is a large central area containing a registration form. The form is titled 'Register' and includes three input fields labeled 'Email', 'Pass', and 'Confirm'. Below these fields is a button labeled 'Registration'. At the bottom of the page is a footer section labeled 'Footer'.

#### 4. Design sitemap

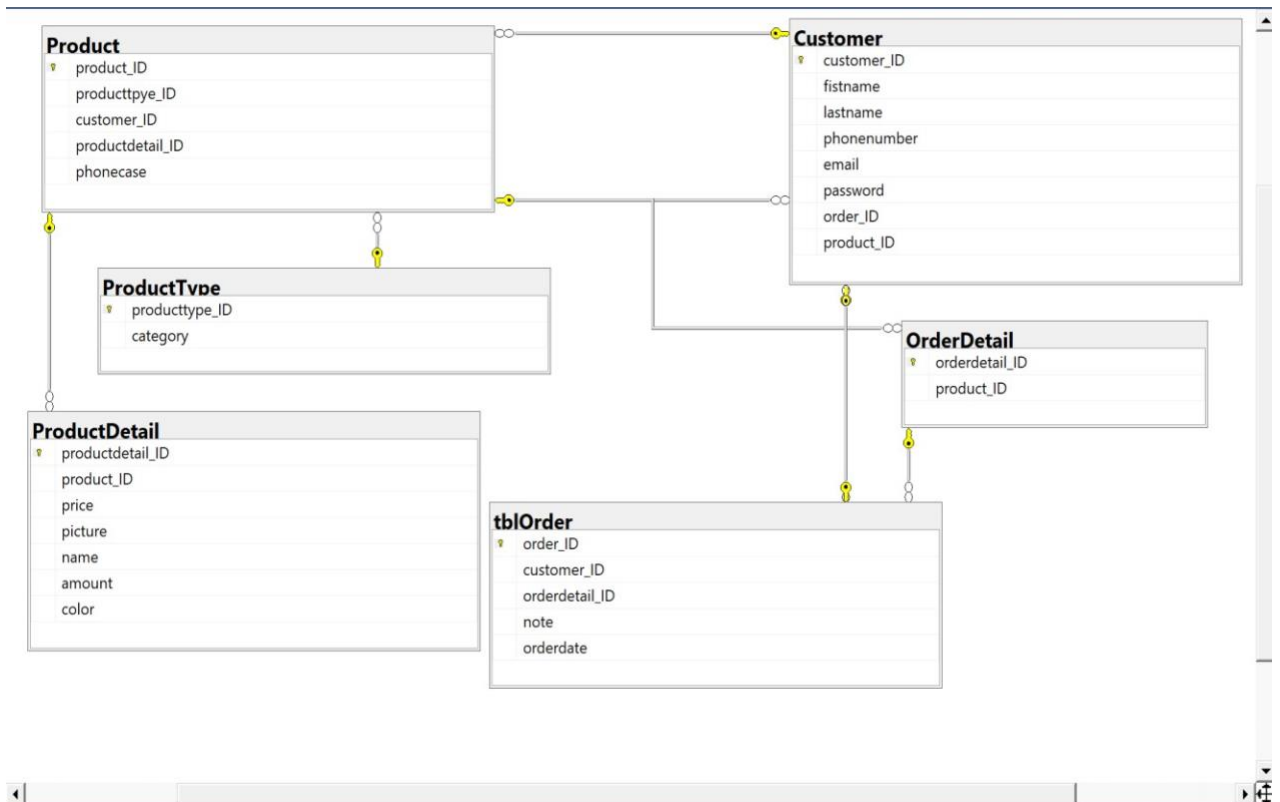
A sitemap, also known as a sitemap, is a file containing all of the website's information including all the website's URLs. Sitemaps help search engines crawl and index all your website content. Besides, sitemap also helps search engines know which pages on your website are the most important. From there, give the most optimal search results for your website on the SERPs. This is sitemap our website:



## 5. Design database and save data

In this part, Our team is going to design the database for website to save the data and is using SQL Server or Heidi SQL:

The diagram to display the ERD relationships between table, and the name of database is lab03db



```
CREATE TABLE [dbo].[Customer](
[customer_ID] [int] NOT NULL,
```

```
[firstname] [varchar](50) NULL,  
[lastname] [varchar](50) NULL,  
[phonenumber] [varchar](15) NULL,  
[email] [varchar](50) NULL,  
[password] [varchar](50) NULL,  
[order_ID] [int] NULL,  
[product_ID] [int] NULL,  
CONSTRAINT [PK_Order] PRIMARY KEY CLUSTERED );
```

```
CREATE TABLE [dbo].[OrderDetail](  
[orderdetail_ID] [int] IDENTITY(1,1) NOT NULL,  
[product_ID] [int] NULL,  
CONSTRAINT [PK_Orderdetail] PRIMARY KEY CLUSTERED );
```

```
CREATE TABLE [dbo].[Product](  
[product_ID] [int] NOT NULL,  
[producttpye_ID] [int] NULL,  
[customer_ID] [int] NULL,  
[productdetail_ID] [int] NULL,  
[phonecase] [varchar](50) NULL,  
CONSTRAINT [PK_Product] PRIMARY KEY CLUSTERED );
```

```
CREATE TABLE [dbo].[ProductDetail](  
[productdetail_ID] [int] IDENTITY(1,1) NOT NULL,  
[product_ID] [int] NULL,  
[price] [money] NULL,  
[picture] [image] NULL,  
[name] [text] NULL,  
[amount] [int] NULL,  
[color] [image] NULL,  
CONSTRAINT [PK_tblProduct] PRIMARY KEY CLUSTERED );
```

```
CREATE TABLE [dbo].[ProductType](  
[producttype_ID] [int] IDENTITY(1,1) NOT NULL,  
[category] [varchar](50) NULL,  
CONSTRAINT [PK_ProductType] PRIMARY KEY CLUSTERED;
```

```
CREATE TABLE [dbo].[tblOrder](  
[order_ID] [int] IDENTITY(1,1) NOT NULL,  
[customer_ID] [int] NULL,  
[orderdetail_ID] [int] NULL,  
[note] [text] NULL,  
[orderdate] [datetime] NULL,  
CONSTRAINT [PK_tblOrder] PRIMARY KEY CLUSTERED);
```

- B. Use above design document with appropriate principles, standards and guidelines to produce a branded, multipage website supported with realistic content (P6)**

## 6. Building website with languages programming HTML, CSS, JavaScript

I am going to cut some component could use too many time:

- The structure of html
  - Header component:
  - Footer component:
  - Bootstrap component:
  - JavaScript component:
- The structure of CSS
  - Admin.css
  - Common.css
  - User.css
- The structure of JavaScript:
  - Amin.js
  - User.js
  - Common.js
- The structure of admin component:
  - Add new product
  - Change password
  - Dashboard
  - Profile
  - Order
  - Order details
  - Product
  - Product details
- The structure of user component
  - Cart List
  - Cart Check out
  - Order
  - Order Details
  - Product list
  - Product details
  - Profile (Change password and edit profile)
- The structure of Authentication
  - Login
  - Registration

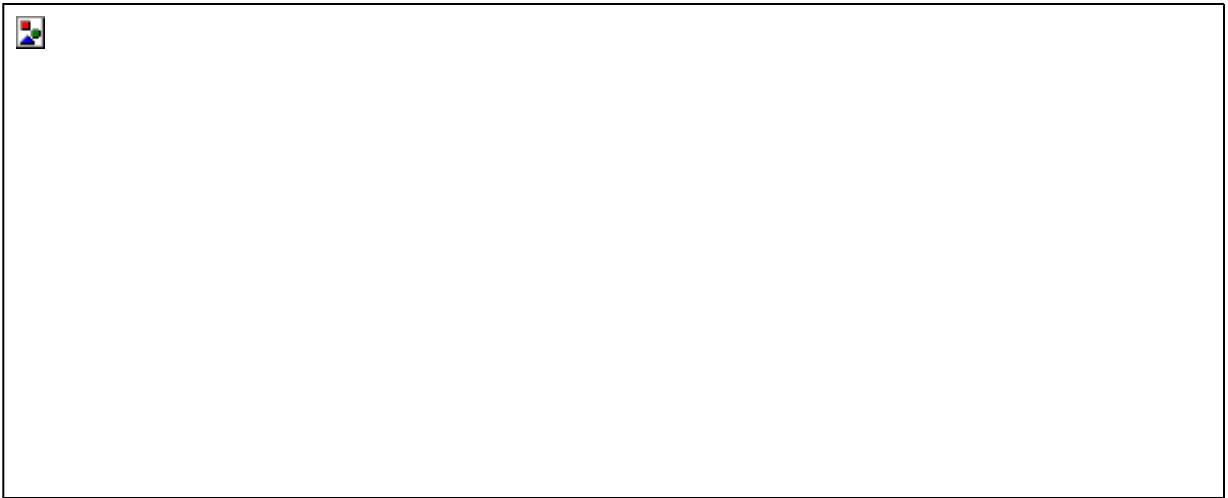
In this project, I have a part to contribute inside, the project is divided equally among 4 people including admin management page, product display page, product detail display page, order page. In which, my task is to do the functions on the admin side including: function add - remove - edit products, function add - delete - edit categories of product classification, login function and log out.

Firstly, I need to create a page for admin login:

- Create file login.php in my project to process functions of admin
- I am going to use HTML and CSS to building the front end of website in file php then I am going to use some code of php for logic process
- PHP coding is connecting to MYSQL database has username is root, does not have password, the hosting is localhost, and have database name is lab03db in above, I have told, then I will write them in file login.php:

```
<?php
session_start();
$dbh = new PDO('mysql:host=localhost;dbname=lab03db', 'root', '');
if(isset($_POST['btnDangNhap'])) {
    $user=$_POST['username'];
    $pass=$_POST['current-password'];
    $sql = "select * from admin where aEmail='$user' and aPassword='$pass'";
    $result=$dbh->query($sql);
    $num=$result->rowCount();
    if($num>0) {
        $_SESSION['admin']=$user;
        header('location:index.php');
    }
    else {
        echo '<script> alert("Error, Email or Password were wrong!") </script>';
    }
}
```

- Next, I am writing some code for user interface using HTML and CSS:



- And then I will valid the data press from keyboard of user by JavaScript:



```
116 function validate() {  
117     var username = document.getElementById("username").value;  
118     var password = document.getElementById("password-field").value;  
119  
120     //If the data doesn't have value, It will alert  
121     if (username == "" && password == "") {  
122         swal("Your information is invalid!", "please try again", "warning");  
123         return false;  
124     }  
125     //If user doesn't enter the email, The message will alert  
126     if (username == null || username == "") {  
127         swal("Your email is invalid", "Please try again later", "error");  
128         return false;  
129     }  
130     //If user doesn't enter the password, The message will alert  
131     if (password == null || password == "") {  
132         swal("Your password is invalid. Please", "Try again later", "error");  
133         return false;  
134     }  
135 }
```

- Next in JavaScript, I am going to create a function to show and hide password in text fill

```
136 //show/hide pass  
137 function myFunction(){  
138     var x = document.getElementById("myInput");  
139     if (x.type === "password"){  
140         x.type = "text"  
141     } else {  
142         x.type = "password";  
143     }  
144 }
```

- And finally, I want know the time in login panel for user:

```


154     function time() {
155         var today = new Date();
156         var weekday = new Array(7);
157         weekday[0] = "Chủ Nhật";
158         weekday[1] = "Thứ Hai";
159         weekday[2] = "Thứ Ba";
160         weekday[3] = "Thứ Tư";
161         weekday[4] = "Thứ Năm";
162         weekday[5] = "Thứ Sáu";
163         weekday[6] = "Thứ Bảy";
164         var day = weekday[today.getDay()];
165         var dd = today.getDate();
166         var mm = today.getMonth() + 1;
167         var yyyy = today.getFullYear();
168         var h = today.getHours();
169         var m = today.getMinutes();
170         var s = today.getSeconds();
171         m = checkTime(m);
172         s = checkTime(s);
173         nowTime = h + ":" + m + ":" + s;
174         if (dd < 10) { dd = '0' + dd} if (mm < 10) { mm = '0' + mm} today = day + ', ' + dd + '/' + mm + '/' + yyyy;
175         tmp = '<i class="fa fa-clock-o" aria-hidden="true"></i> <span class="date">' + today + ' | ' + nowTime + '</span>';
176         document.getElementById("clock").innerHTML = tmp;
177         clocktime = setTimeout("time()", "1000", "Javascript");
178         function checkTime(i) {
179             if (i < 10) {
180                 i = "0" + i;
181             }
182             return i;
183         }
184     }

```

- I have done login function, If the user want to login, they should access host domain:  
localhost/admin/login.php

The result of file login.php in User Interface:

© Thứ Ba, 31/08/2021 | 15:02:20



**ADMIN**

### Admin Login

 Email

 Password

Are you forget password? [Account Password?](#)

Secondly, I would like to create page category dashboard:

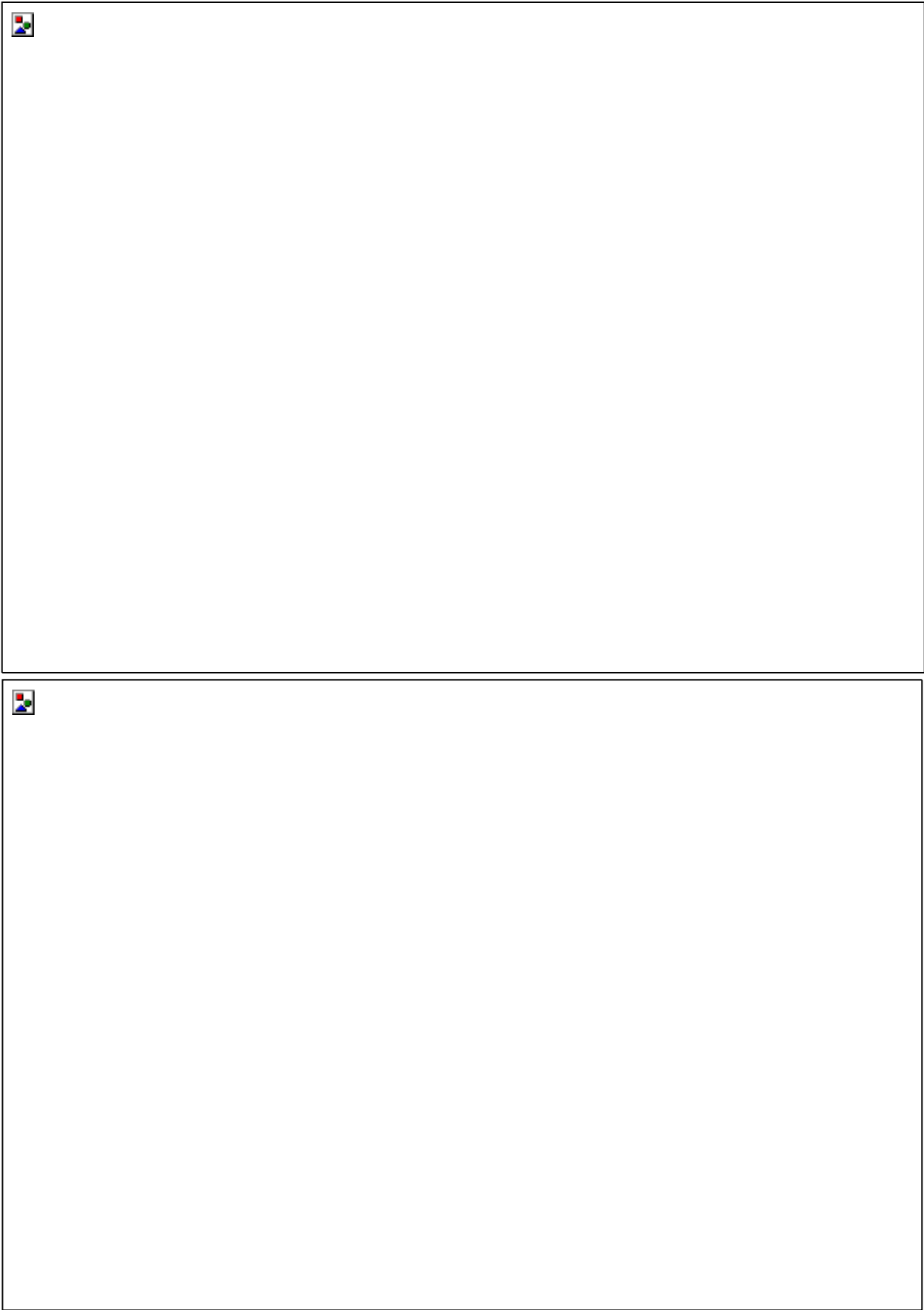
- Create file index.php
- Connect to database:

```
session_start();
if(!isset($_SESSION['admin'])) {
    header('location: login.php');
}
$dbh = new PDO('mysql:host=localhost;dbname=lab03db', 'root', '');
$sql = "select * from catalog";
$result = $dbh->query($sql);
```

- Function search and delete in database:

```
if(isset($_POST['btnSearch'])) {
    $search = $_POST['search'];
    $sql = "select * from catalog where cTen like '%" . $search . "%' ";
    $result = $dbh->query($sql);
}
// this is for delete
if(isset($_POST['btnXoa'])) {
    $str = $_POST['select'];
    foreach($str as $p => $index) {
        echo $index. '<br/>';
        $dbh->exec("delete from catalog where cMa = '$index'");
    }
}
```

- Building template for catalog page:



And I would like to display the data when user click on update catalog button:

```
<?php
    foreach ($result as $ct) {
        echo '
            <tr>
                <td>
                    <input type="checkbox" value="'. $ct['cMa']. '" name="select[]">
                </td>
                <td>'. $ct['cMa']. '</td>
                <td>'. $ct['cTen']. '</td>
                <td>
                    <a href="editCatalog.php?cId="'. $ct['cMa']. '" alt="Edit"> <i class="fa fa-edit icons-edit"></i> </a>
                    <a href="deleteCatalog.php?cId="'. $ct['cMa']. '"> <i class="fa fa-trash icons-delete"></i> </a>
                </td>
            </tr>
        ';
    }
?>
```

Function create catalog when user click “Add Catalog” in UI the form will call file createCatalog.php and some alert if the data is not valid:

```
12 <?php
13 // Process button save
14 if(isset($_POST['btnLuu'])) {
15     //Get data from form
16     $cId = $_POST['catalogId'];
17     $cName = $_POST['catalogName'];
18     //Connect to database
19     $dbh = new PDO('mysql:host=localhost;dbname=lab03db', 'root', '');
20     $sql = "insert into catalog (cMa, cTen)
21     values ('$cId', '$cName')";
22
23     $result = $dbh->exec($sql);
24
25     if($result) {
26         echo '<script type="text/javascript">
27             swal({
28                 title: "Success!",
29                 text: "Success",
30                 type: "success",
31                 timer: 2000,
32                 showConfirmButton: true
33             }, function(){
34                 window.location.href = "index.php";
35             });
36         </script>';
37     }
38     else {
39         echo '<script type="text/javascript">
40             swal({
41                 title: "Failed!",
42                 text: "Failed",
43                 type: "error",
44                 timer: 1000,
45                 showConfirmButton: true
46             }, function(){
47                 window.location.href = "index.php";
48             });
49         </script>';
50     }
51 }
```

- Function Update of Catalog when user click on “Edit Catalog” and create a file has a name editCatalog.php and some code:

```
<?php
    $id=$_GET['cId'];
    // connect to database
    $dbh = new PDO('mysql:host=localhost;dbname=lab03db', 'root', '');
?>
<form action="" method="post">
    <table>
    <legend class="title">Update</legend>
        <tr>
            <th>Category ID</th>
            <th>Category Name</th>
        </tr>
        <?php
            $sql="select * from catalog where cMa='$id'";
            $result=$dbh->query($sql);
            //Get first row
            $row = $result->fetch(PDO::FETCH_ASSOC);
            echo '
            <tr>
                <td>
                    <input type="hidden" value="'. $id.'" name="idc">
                    <input type="text" value="'. $row['cMa'].'" name="catalogCode">
                </td>
                <td><input type="text" value="'. $row['cTen'].'" name="catalogName"></td>
            </tr>
            '
        ?>
        <tr>
            <td><input id="update" type="submit" value="Update" name="btnCapNhat"></td>
        </tr>
    </table>
```

And Update data in database when user click button “Update”:



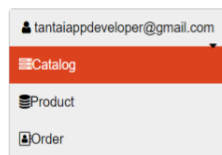
```
<?php
    //Process logic for update
    if(isset($_POST['btnCapNhat'])) {
        //get data from form
        $code = $_POST['catalogCode'];
        $name = $_POST['catalogName'];
        $idCatalog = $_POST['idc'];
        //Update in sql
        $sqlCapNhat = "update catalog set cMa='$code', cTen='$name' where cMa='$idCatalog'";
        $update = $dbh->exec($sqlCapNhat);

        if($update) {
            echo '<script type="text/javascript">
                swal({
                    title: "Success!",
                    text: "You have edited done",
                    type: "success",
                    timer: 1000,
                    showConfirmButton: true
                }, function(){
                    window.location.href = "index.php";
                });
            </script>';
        }
        else {
            echo '<script type="text/javascript">
                swal({
                    title: "Failed!",
                    text: "Update was failed",
                    type: "error",
                    timer: 1000,
                    showConfirmButton: true
                }, function(){
                    window.location.href = "index.php";
                });
            </script>';
        }
    }
```

I want to delete some catalog, so I need to create a function to delete them has a name deleteCatalog.php and some code:

```
<?php
    $id = $_GET['cId'];
    // Connect Database
    $dbh = new PDO('mysql:host=localhost;dbname=lab03db', 'root', '');
    $sql = "delete from catalog where cMa='$id'";
    // Create a variable to connect to database <A variable connect to database> -> exec(<sql>);
    $result = $dbh->exec($sql);
    if($result) {
        echo '<script type="text/javascript">
            swal({
                title: "Success!",
                text: "Delete has success.",
                type: "success",
                timer: 1000,
                showConfirmButton: true
            }, function(){
                window.location.href = "index.php";
            });
        </script>';
    }
    else {
        echo '<script type="text/javascript">
            swal({
                title: "Failed!",
                text: "Delete has not faild ",
                type: "error",
                timer: 1000,
                showConfirmButton: true
            }, function(){
                window.location.href = "index.php";
            });
        </script>';
    }
?>
```

The U.I of catalog page when user click on "Add new catalog":



+ Add new Catalog + Edit Catalog >














+ Add New Catalog

ID	Product Name
<input type="text"/>	<input type="text"/>














✓ Save



I will insert some data have Id = 8 and catalog name is “New product” and the result after I insert when I click on edit catalog:

Show Catalog				Search	Search...
 Delete	Catalog ID	Catalog Name	Actions		
<input type="checkbox"/>	1	Mới Nhất			
<input type="checkbox"/>	2	Giá từ thấp đến cao			
<input type="checkbox"/>	3	Giá từ cao xuống thấp			
<input type="checkbox"/>	4	Wood Case			
<input type="checkbox"/>	8	New product			
<input type="checkbox"/>	17	Bán Chạy			

Then I will test update function by click on update button and edit catalog have id = 1:

Show Catalog				Search	Search...
 Delete	Catalog ID	Catalog Name	Actions		
<input type="checkbox"/>	1	Mới Nhất			
<input type="checkbox"/>	2	Giá từ thấp đến cao			
<input type="checkbox"/>	3	Giá từ cao xuống thấp			
<input type="checkbox"/>	4	Wood Case			
<input type="checkbox"/>	8	New product			
<input type="checkbox"/>	17	Bán Chạy			

The U.I when I clicked:

Update

Category ID: 1 Category Name: Mới Nhất

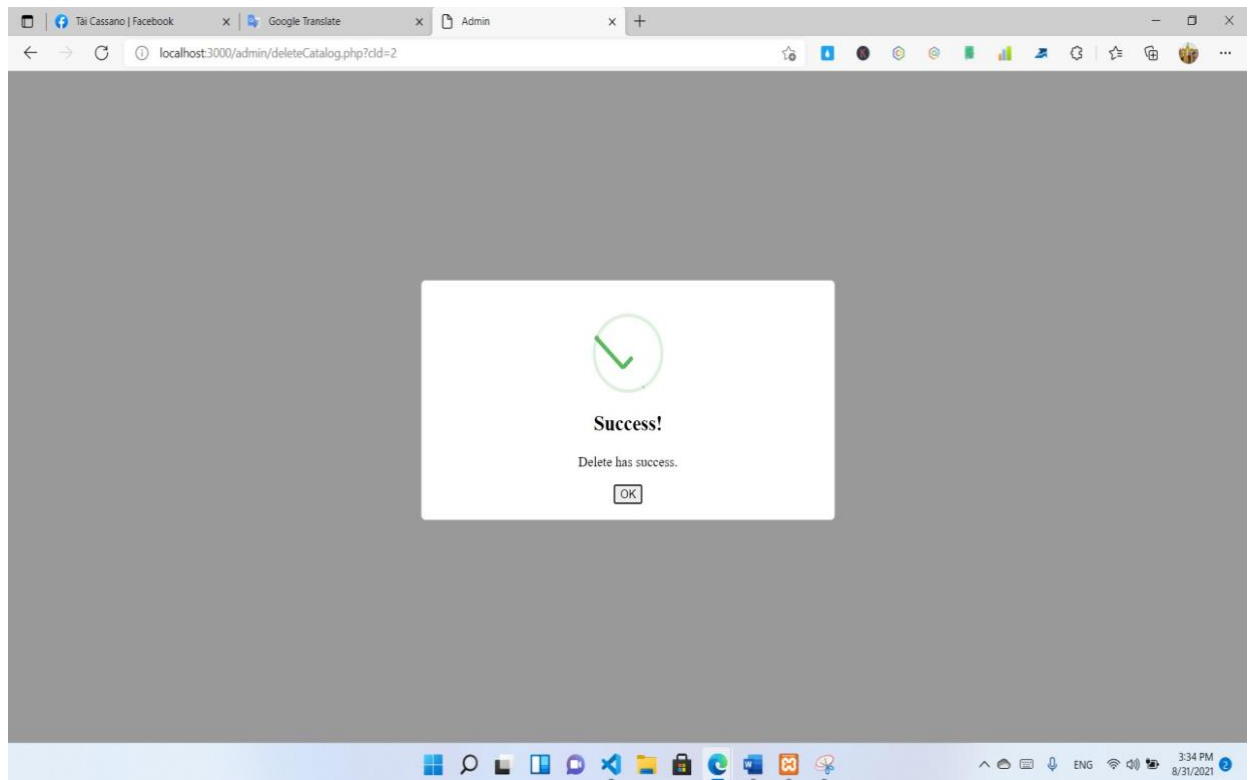
Update










I will edit ID = 100 and the catalog name is “Sort” and the result after I edit:

Show Catalog				Search	Search...
Delete	Catalog ID	Catalog Name	Actions		
<input type="checkbox"/>	2	Giá từ thấp đến cao			
<input type="checkbox"/>	3	Giá từ cao xuống thấp			
<input type="checkbox"/>	4	Wood Case			
<input type="checkbox"/>	8	New product			
<input type="checkbox"/>	17	Bán Chạy			
<input type="checkbox"/>	100	Sort			

I want to delete the catalog have id = 3 just click on the trash icon, result after I clicked on trash icon:

The message is alert, I have deleted success:



Show Catalog		Search Search...	
 Delete	Catalog ID	Catalog Name	Actions
<input type="checkbox"/>	4	Wood Case	 
<input type="checkbox"/>	8	New product	 
<input type="checkbox"/>	17	Bán Chạy	 
<input type="checkbox"/>	100	Sort	 

- Thirdly, I want to have some action for product like Add, Update, Delete:

Add function has a name file “createProduct.php” and the code in this file:

- HTML Code to building template:

```

40     <div class="rows">
41         <header class="box-header">
42         </header>
43     </div>
44
45
46
47     <div class="rows">
48         <div class="boxcenter">
49             <div class="left">
50                 <div class="vertical-menu">
51                     <a id="clickdropdown">
52                         <i class="fa fa-user"></i>
53                         <?php
54                             echo $_SESSION['admin'];
55                         ?>
56                         <i id="down" style="float: right" class="fa fa-sort-down"></i>
57                     </a>
58                     <div id="dropdown">
59                         <a href="logout.php"><i class="fa fa-sign-out"></i>Log out</a>
60                         <a href="changePassword.php"><i class="fa fa-exchange"></i>Change Password</a>
61                     </div>
62                     <a href="index.php"><i class="fa fa-server"></i> Category</a>
63                     <a style="background-color: #dd421f; color: white" href="sanpham.php"><i class="fa fa-database"></i> Product</a>
64                     <a href="donhang.php"><i class="fa fa-address-book-o"></i> Order</a>
65                 </div>
66             </div>
67             <div class="right">
68                 <div class="controls">
69                     <button id="btnAddProduct"> <i class="fa fa-plus"></i>Add product</button>
70                     <button id="btnShowProduct"> <i class="fa fa-plus"></i>Update product</button>
71                 </div>
72                 <form id="addProduct" action="createProduct.php" method="post">
73                     <legend class="title"><i class="fa fa-plus"></i> Add New Product</legend>
74                     <table>
75                         <tr>
76                             <td>

```

```
76 </td>
77 <label for="">ID</label>
78 <div class="form-control">
79   <input type="text" name="productId" id="productId" required>
80 </div>
81 </td>
82 <td>
83   <label for="">Product Name</label>
84   <div class="form-control">
85     <input type="text" name="productName" id="productName" required>
86   </div>
87 </td>
88 <td>
89   <label for="">Image</label>
90   <div class="form-control">
91     <input type="text" name="productImage" id="productImage" required>
92   </div>
93 </td>
94 </tr>
95
96 <tr>
97   <td>
98     <label for="">Price</label>
99     <div class="form-control">
100       <input type="number" name="productPrice" id="productPrice" required>
101     </div>
102   </td>
103   <td>
104     <label for="">Sale</label>
105     <div class="form-control">
106       <input type="number" name="productSale" id="productSale">
107     </div>
108   </td>
109   <td>
110     <label for="">Insurance</label>
111     <div class="form-control">
112       <input type="number" name="productBaoHanh" id="productBaoHanh">
113     </div>
```

```

117         </td>
118     </td>
119     <td>
120         <label for="">Size</label>
121         <div class="form-control">
122             <input type="number" name="productSize" id="productSize">
123         </div>
124     </td>
125     <td>
126         <label for="">Brand</label>
127         <div class="form-control">
128             <input list="brands" name="productHang" id="productHang">
129             <datalist id="brands">
130                 <option value="apple">Apple</option>
131                 <option value="samsung">Samsung</option>
132                 <option value="xiaomi">xiaomi</option>
133             </datalist>
134         </div>
135     </td>
136 </tr>
137
138     <tr>
139     <td>
140         <label for="">Type of Case</label>
141         <div class="form-control">
142             <input type="radio" id="inox" name="productLoaiDay" value="inox">
143             <label for="inox">Wood Case</label> <br>
144             <input type="radio" id="da" name="productLoaiDay" value="da">
145             <label for="da">Plastic Case</label>
146         </div>
147     </td>
148
149 </tr>
150
151     <tr>
152
153         <td>
154             <label for="">Origin</label>
155             <div class="form-control">
156                 <select name="productNoiSanXuat" id="thuongHieu">
157                     <option value="China">China</option>
158                     <option value="Viet Nam">Viet Nam</option>
159                     <option value="US">US</option>
160                     <option value="orther">Other</option>
161                 </select>
162             </div>
163         </td>
164     </tr>
165
166     <tr>
167     <td>
168         <button type="submit" id="create" name="btnLuu"><i class="fa fa-check-circle"></i> Save</button>
169     </td>
170 </tr>
171 </table>
172 </form>

```

Result:

tantaiappdeveloper@gmail.com

Category

**Product**

Order

+Add product

+Update product

+ Add New Product

ID	Product Name	Image
<input type="text"/>	<input type="text"/>	<input type="text"/>
Price	Sale	Insurance
<input type="text"/>	<input type="text"/>	<input type="text"/>
Size	Brand	
<input type="text"/>	<input type="text"/>	
Type of Case <input type="radio"/> Wood Case <input type="radio"/> Plastic Case Origin <input type="text" value="China"/>		
<input checked="" type="checkbox"/> Save		

- PHP Code for logic and process data:

```

12 <?php
13 // Process save button
14 if(isset($_POST['btnLuu'])) {
15     //Get Data From Forms
16     $pid = $_POST['productId'];
17     $pname = $_POST['productName'];
18     $pimage = $_POST['productImage'];
19     $pprice = $_POST['productPrice'];
20     $psale = $_POST['productSale'];
21     $pbaoanh = $_POST['productBaoHanh'];
22     $psize = $_POST['productSize'];
23     $phang = $_POST['productHang'];
24     $pnoisanxuat = $_POST['productNoiSanXuat'];
25
26     //Connect to database
27     $dbh = new PDO('mysql:host=localhost;dbname=lab03db', 'root', '');
28     $sql = "insert into products (pMa, pAnh, pTen, pGia, pGiamGia, pBaoHanh, pHang, pSize, pThuongHieu, pNoiSanXuat)
29     values ('$pid', '$pimage', '$pname', '$pprice', '$psale', '$pbaoanh', '$phang', '$psize', '$pthuonghieu', '$pnoisanxuat')";
30
31     $result = $dbh->exec($sql);
32
33     if($result) {
34         echo '<script type="text/javascript">
35             swal({
36                 title: "Success!",
37                 text: "Success.",
38                 type: "success",
39                 timer: 2000,
40                 showConfirmButton: true
41             }, function(){
42                 window.location.href = "admin.php";
43             });
44         </script>';
45     }
46     else {
47         echo '<script type="text/javascript">
48             swal({

```

```

46         else {
47             echo '<script type="text/javascript">
48                 swal({
49                     title: "Failed!",
50                     text: "Error",
51                     type: "error",
52                     timer: 1000,
53                     showConfirmButton: true
54                 }, function(){
55                     window.location.href = "admin.php";
56                 });
57             </script>';
58         }
59     }
60     ?>

```

Function to delete a product:

- HTML Code and building template for update:

```

176     <form id="showProduct" method="post" action="#">
177     <table>
178     <legend class="title">Show Products
179     <div class="search-box">
180         <input type="submit" name="btnSearch" value="Tìm kiếm">
181         <input type="text" name="search" placeholder="Search...">
182     </div>
183     </legend>
184     <tr>
185         <th id="btnXoa" class="th"><button type="submit" name="btnXoa" > <i class="fa fa-trash icons-delete"></i></button></th>
186         <th class="th">Image</th>
187         <th class="th">Product Name</th>
188         <th class="th">ID Product</th>
189         <th class="th">Brand</th>
190         <th class="th">Price</th>
191         <th class="th">Actions</th>
192     </tr>
193
194     <?php
195     foreach ($result as $sp) {
196         echo '
197         <tr>
198             <td>
199                 <input type="checkbox" value="'. $sp['pMa']. '" name="select[]">
200             </td>
201             <td class="td-image">
202                 
203             </td>
204             <td>'. $sp['pTen']. '</td>
205             <td>'. $sp['pMa']. '</td>
206             <td>'. $sp['pHang']. '</td>
207             <td>'. $sp['pGia']. '</td>
208             <td>
209                 <a href="editProduct.php?pid="'. $sp['pMa']. '" alt="Edit"> <i class="fa fa-edit icons-edit"></i> </a>
210                 <a href="deleteProduct.php?pid="'. $sp['pMa']. '"> <i class="fa fa-trash icons-delete"></i> </a>
211             </td>

```














- Result and click on the Trash Icon to delete:



tantaiappdeveloper@gmail.com  
 Category  
 Product  
 Order

+Add product

+Update product

Show Products							Tim kiếm	Search...
	Image	Product Name	ID Product	Brand	Price	Actions		
<input type="checkbox"/>		Wood Case Iphone 7	1	Apple	1246000	 		
<input type="checkbox"/>		Iphone X Wood Case	2	Apple	4000000	 		
<input type="checkbox"/>		Iphone 12 Promax Wood case	3	Apple	1739000	 		
<input type="checkbox"/>		Iphone 11 Promax Wood Case	20	Apple	200000	 		

- PHP Code for delete function

```

10 <body>
11 <?php
12     $id = $_GET['pId'];
13     // Connecting to database
14     $dbh = new PDO('mysql:host=localhost;dbname=lab03db', 'root', '');
15     $sql = "delete from products where pMa='$id'";
16     $result = $dbh->exec($sql);
17     if($result) {
18         echo '<script type="text/javascript">
19             swal({
20                 title: "Success!",
21                 text: "You have deleted success this product",
22                 type: "success",
23                 timer: 1000,
24                 showConfirmButton: true
25             }, function(){
26                 window.location.href = "sanpham.php";
27             });
28         </script>';
29     }
30     else {
31         echo '<script type="text/javascript">
32             swal({
33                 title: "Failed!",
34                 text: "Delete has failed",
35                 type: "error",
36                 timer: 1000,
37                 showConfirmButton: true
38             }, function(){
39                 window.location.href = "sanpham.php";
40             });
41         </script>';
42     }
43 <?>
44 </body>
45 </html>

```

For example I want to delete product has id = 20:

tantaiappdeveloper@gmail.com













Category

**Product**

Order

+Add product

+Update product

Show Products						
Image		Product Name	ID Product	Brand	Price	Actions
<input type="checkbox"/>		Wood Case Iphone 7	1	Apple	1246000	 
<input type="checkbox"/>		Iphone X Wood Case	2	Apple	4000000	 
<input type="checkbox"/>		Iphone 12 Promax Wood case	3	Apple	1739000	 
<input type="checkbox"/>		Iphone 11 Promax Wood Case	20	Apple	200000	 

Just Click on trash icon

- Function Update Product:

- HTML Code and building template, in there has some PHP Code because I want to show the data has got in database for table:

```
13      <?php
14          $id=$_GET['pId'];
15          $dbh = new PDO('mysql:host=localhost;dbname=lab03db', 'root', '');
16      ?>
17      <form action="" method="post">
18          <table>
19              <legend class="title">Update</legend>
20              <tr>
21                  <th>Image</th>
22                  <th>ID</th>
23                  <th>Product Name</th>
24                  <th>Brand</th>
25                  <th>Price</th>
26              </tr>
27      <?php
28          $sql="select * from products where pMa='$id'";
29          $result=$dbh->query($sql);
30          $row = $result->fetch(PDO::FETCH_ASSOC);
31          echo '
32              <tr>
33                  <td>
34                      <input type="hidden" value="'. $id.'" name="idp">
35                      <input type="text" value="'. $row['pAnh'].'" name="productAnh">
36                  </td>
37                  <td>
38                      <input type="text" value="'. $row['pMa'].'" name="productCode">
39                  </td>
40                  <td><input type="text" value="'. $row['pTen'].'" name="productName"></td>
41                  <td><input type="text" value="'. $row['pHang'].'" name="productHang"></td>
42                  <td><input type="text" value="'. $row['pGia'].'" name="productGia"></td>
43              </tr>
44          '
45      ;
46      </td>
```

Result of template, if you want to show this template just click on Product -> Update Product ->

Note Icon:

Update

Image	ID	Product Name	Brand	Price
<input type="text" value="https://ae01.alicdn.com/kf/"/>	<input type="text" value="1"/>	<input type="text" value="Wood Case Iphone 7"/>	<input type="text" value="Apple"/>	<input type="text" value="1246000"/>

Update

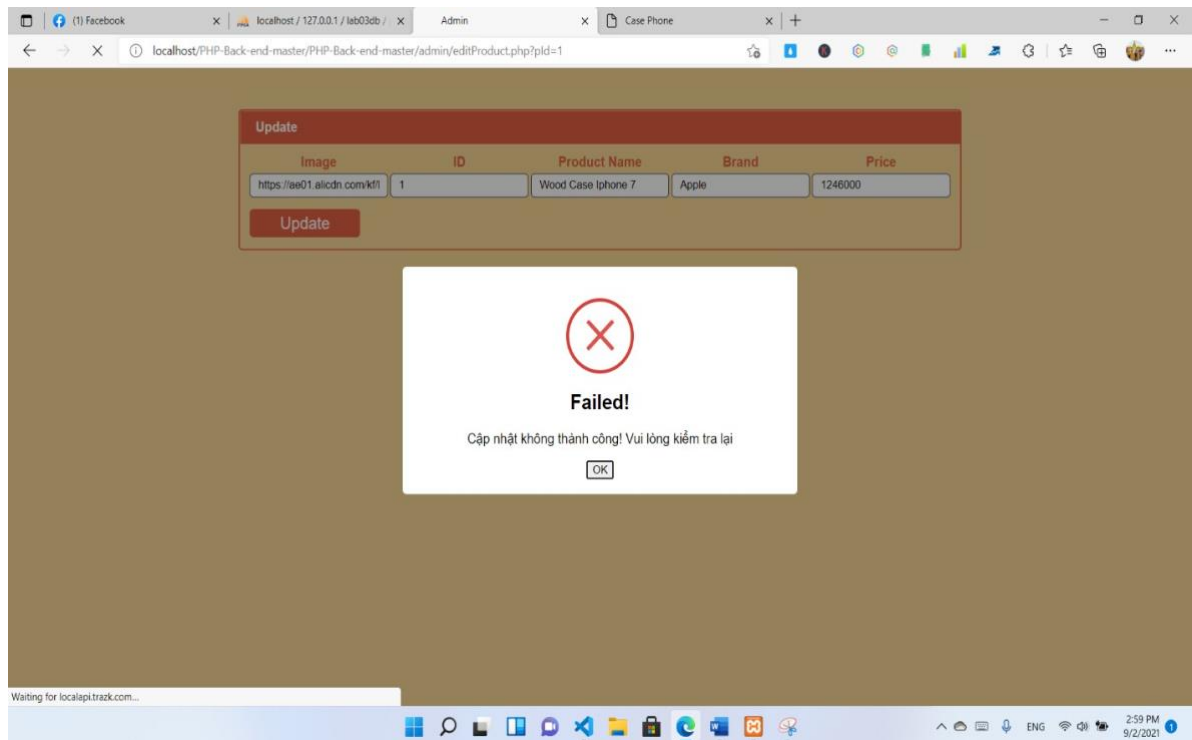
PHP code for function update in database after user clicked on update button:

```

52 if(isset($_POST['btnCapNhat'])) {
53     $urlAnh = $_POST['productAnh'];
54     $code = $_POST['productCode'];
55     $name = $_POST['productName'];
56     $brand = $_POST['productHang'];
57     $price = $_POST['productGia'];
58     $idProduct = $_POST['idp'];
59     $sqlCapNhat = "update products set pMa='$code', pTen='$name', pAnh='$urlAnh', pHang='$brand', pGia='$price' where pMa='$idProduct'";
60     $update = $dbh->exec($sqlCapNhat);
61     if($update) {
62         echo '<script type="text/javascript">
63             swal({
64                 title: "Success!",
65                 text: "Bạn đã hoàn tất chỉnh sửa :)",
66                 type: "success",
67                 timer: 1000,
68                 showConfirmButton: true
69             }, function(){
70                 window.location.href = "sanpham.php";
71             });
72         </script>';
73     }
74     else {
75         echo '<script type="text/javascript">
76             swal({
77                 title: "Failed!",
78                 text: "Cập nhật không thành công! Vui lòng kiểm tra lại",
79                 type: "error",
80                 timer: 1000,
81                 showConfirmButton: true
82             }, function(){
83                 window.location.href = "sanpham.php";
84             });
85         </script>';
86     }
87 }
88 ?>

```

Alert message when I clicked on button update:



**C. Create a suitable Test Plan identifying key performance area and use it to review the functionality and performance of your website. User Experience (UX) and User Interface (UI) ( P7 )**

7. Creating Test case to website and capture screen some result

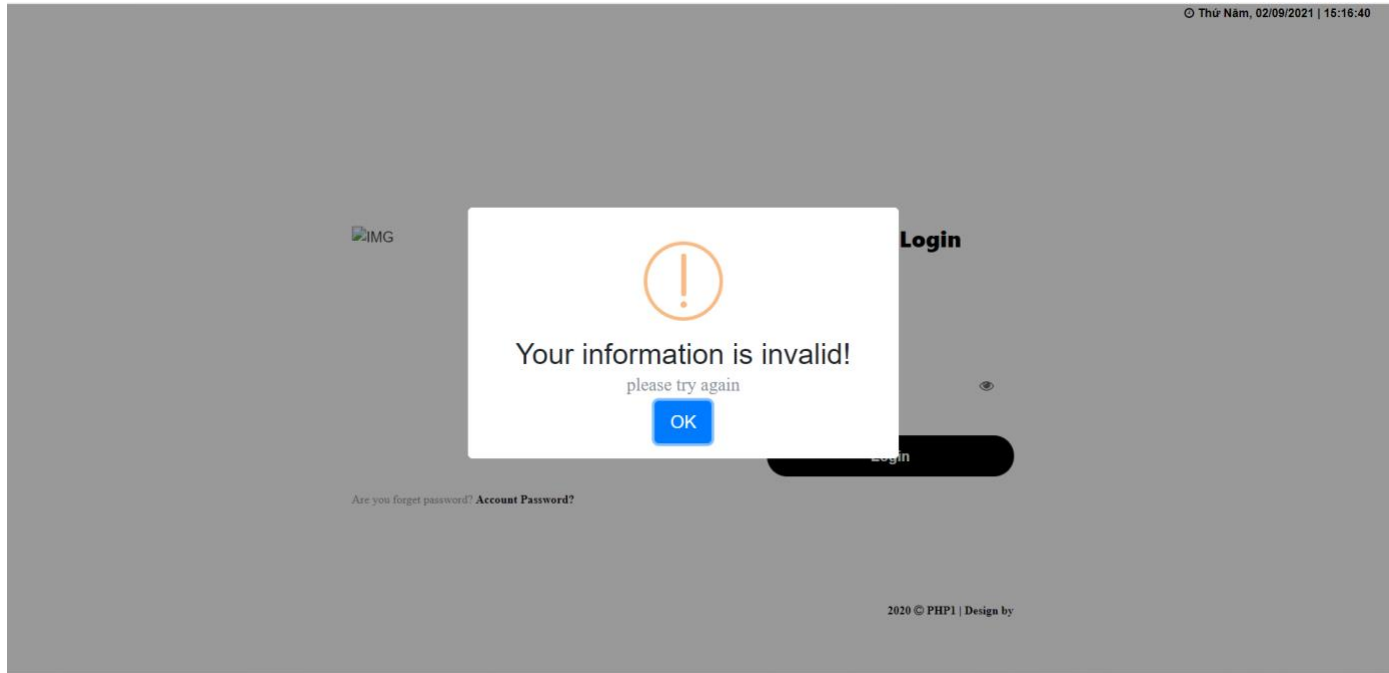
No.	What is being test	How	Data set	Expected results
1	Test Login Validation	Enter email and password	Null	Alert Message
2	Test Add Product	Enter same id a product	Id = 1	Cannot insert
3	Test Update Product	Clicked on update icon	ID = 20	Update product has id = 20
4	Test Delete Product	Clicked on delete icon	Id = 21	Delete product has id = 21
5	Test Add Catalog	Click button add a catalog	Value = "New" and id = 5	Add new a catalog in database and UI
6	Test Delete Catalog	Click button delete a catalog	ID = 3	Delete a catalog has id = 3
7	Test Update catalog	Click button update catalog	ID = 17	Update new data value of catalog has id = 17
8	Search product name	Fill in data at text fill search	Product name is "11"	Return all product has number 11

Test case 1:

Email is null

Password is null

Result of test case 1:



Test case 2:

tantaiappdeveloper@gmail.com

Category

**Product**

Order

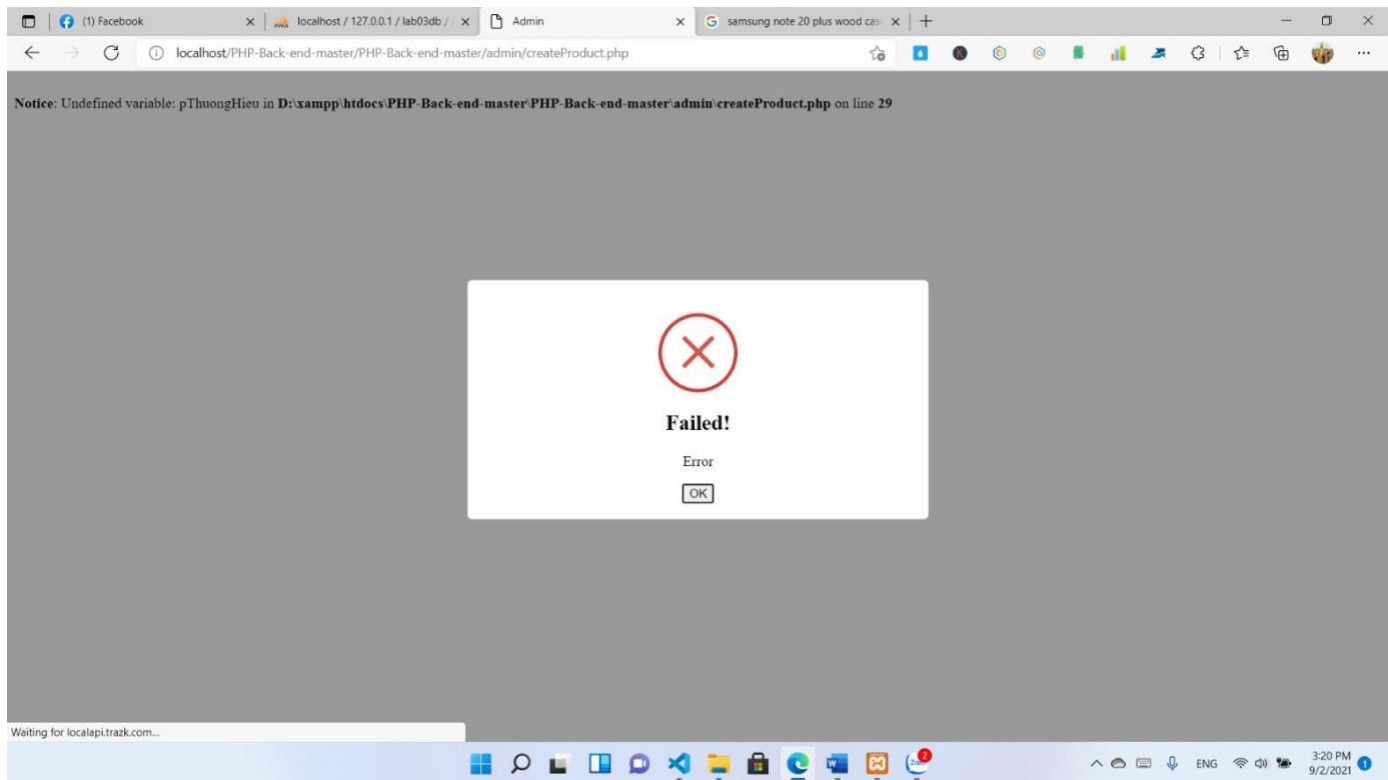
+Add product

+Update product

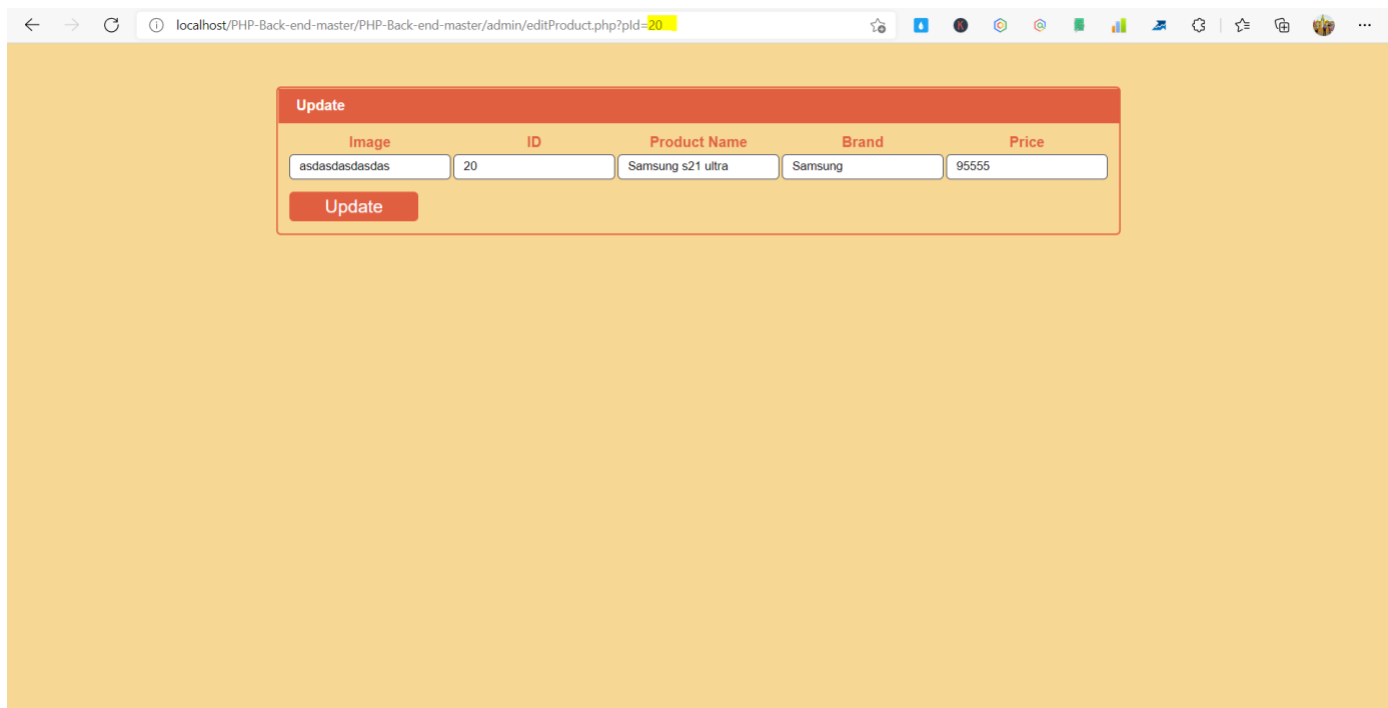
+ Add New Product

ID	Product Name	Image
1	Samsung Note 20 Plus	<a href="https://ae01.alicdn.com/kf/IHdd8dce1d6a3f46e09e9">https://ae01.alicdn.com/kf/IHdd8dce1d6a3f46e09e9</a>
Price	Sale	Insurance
2333333	0	1
Size	Brand	
7	Samsung	
Type of Case <input checked="" type="radio"/> Wood Case <input type="radio"/> Plastic Case Origin China		
<div>Save</div>		

Result of test case 2:



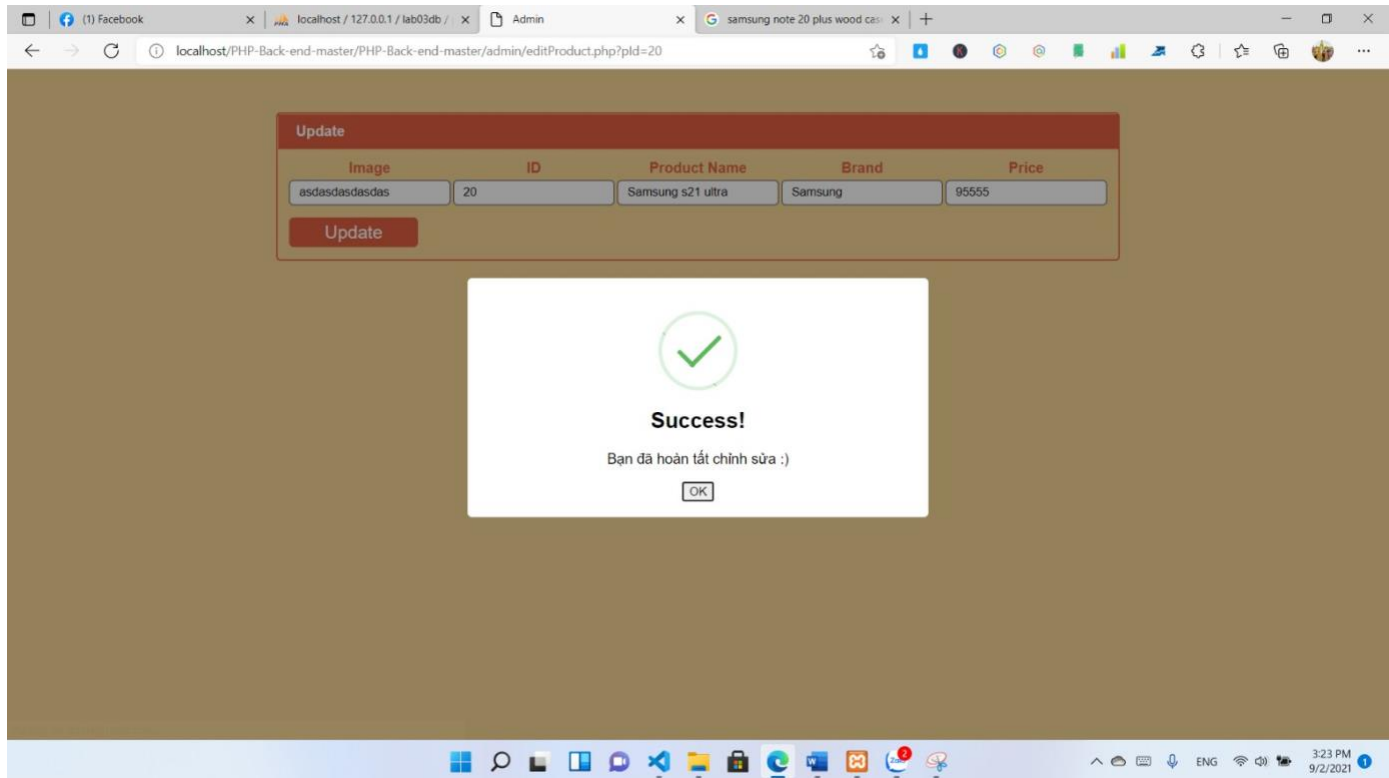
### Test case 3:



### Result of test case 3:

Set ID = 21, Product Name is Xiaomi Note 9+, Brand: Xiaomi

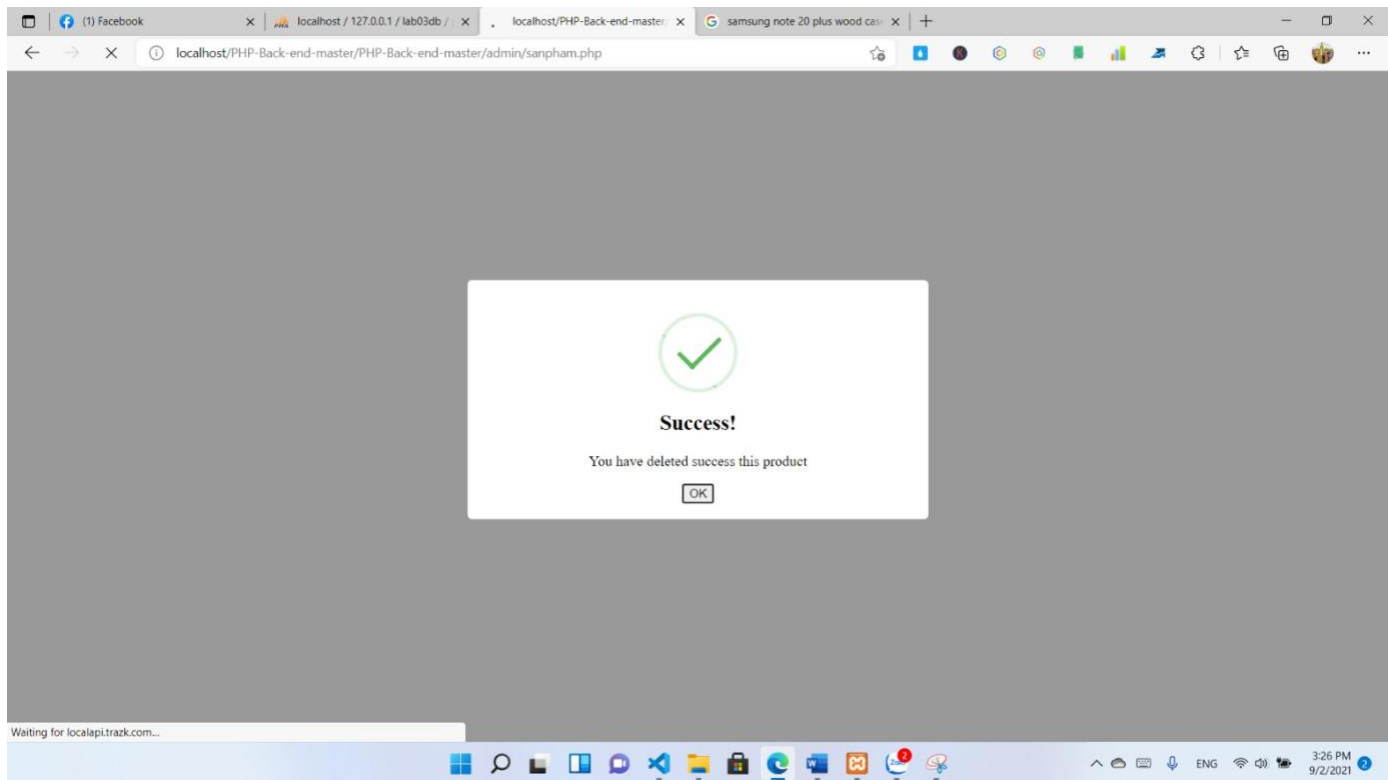




Test case 4:

Show Products							Tìm kiếm	Search...
	Image	Product Name	ID Product	Brand	Price	Actions		
<input type="checkbox"/>		Wood Case Iphone 7	1	Apple	1246000			
<input type="checkbox"/>		Iphone X Wood Case	2	Apple	4000000			
<input type="checkbox"/>		Iphone 12 Promax Wood case	3	Apple	1739000			
<input type="checkbox"/>		Xiaomi Note 9+	21	Xiaomi	95555			










Result of test case 4:



Show Products

Tìm kiếm

Search...

	Image	Product Name	ID Product	Brand	Price	Actions
<input type="checkbox"/>		Wood Case Iphone 7	1	Apple	1246000	<div></div> <div></div>
<input type="checkbox"/>		Iphone X Wood Case	2	Apple	4000000	<div></div> <div></div>
<input type="checkbox"/>		Iphone 12 Promax Wood case	3	Apple	1739000	<div></div> <div></div>

Test case 5:

Set id = 5 and the catalog name is "New"

tantaiappdeveloper@gmail.com

Catalog

Product

Order

+Add new Catalog

+ Edit Catalog

>

+ Add New Catalog

ID

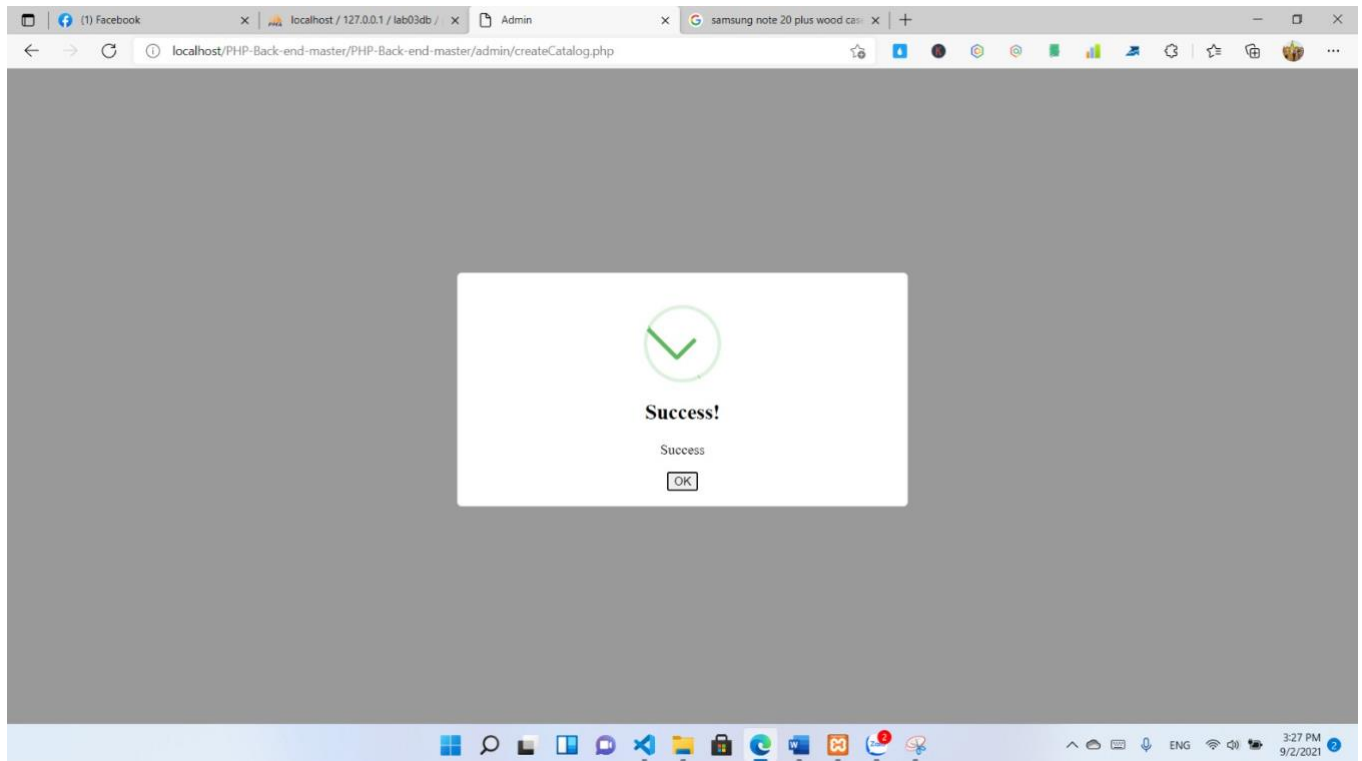
5














Product Name

New

✓ Save














Result of test case 5:



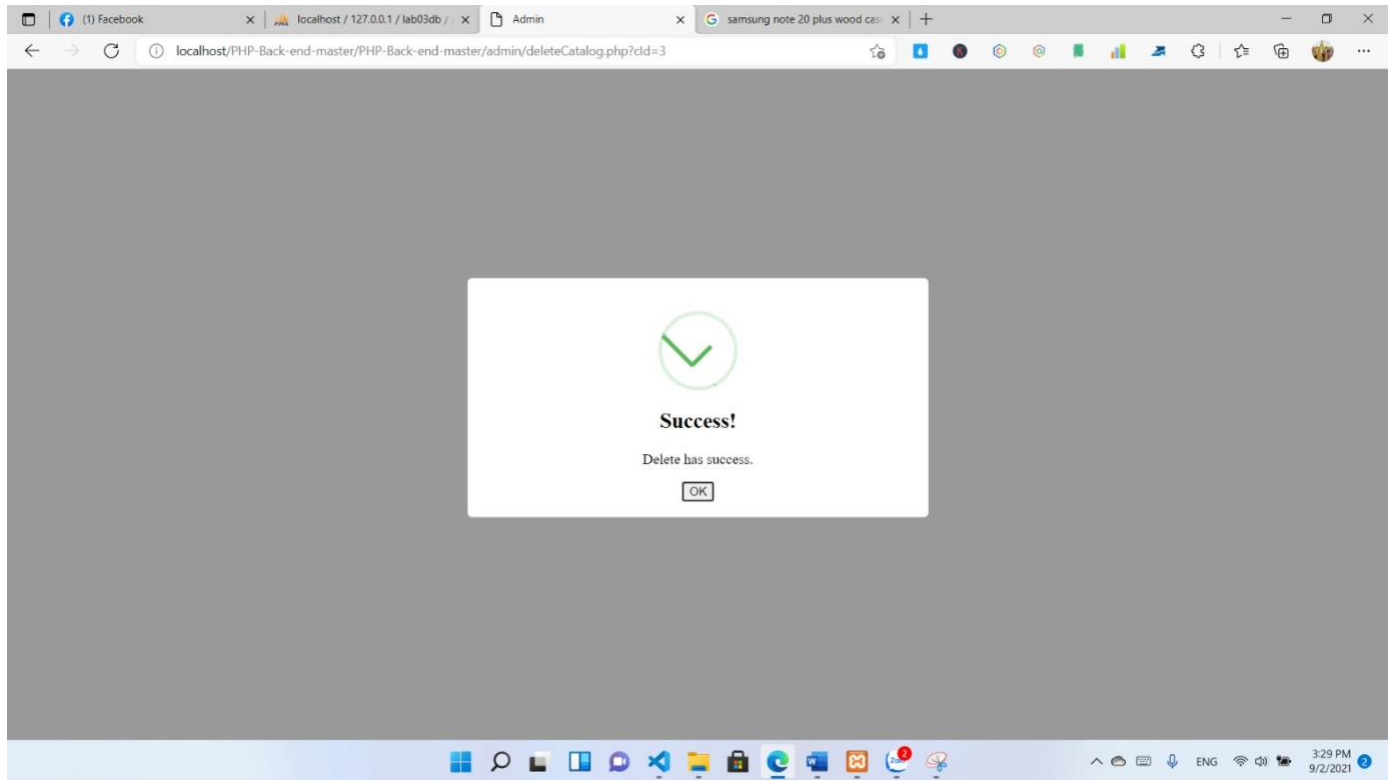
Show Catalog				Search	Search...
 Delete	Catalog ID	Catalog Name	Actions		
<input type="checkbox"/>	3	Giá từ cao xuống thấp			
<input type="checkbox"/>	4	Wood Case			
<input type="checkbox"/>	5	New			
<input type="checkbox"/>	8	New product			
<input type="checkbox"/>	17	Bán Chạy			
<input type="checkbox"/>	100	Sort			












Test case 6:

Delete catalog has id = 3

Show Catalog				Search	Search...
 Delete	Catalog ID	Catalog Name	Actions		
<input type="checkbox"/>	3	Giá từ cao xuống thấp			
<input type="checkbox"/>	4	Wood Case			
<input type="checkbox"/>	5	New			
<input type="checkbox"/>	8	New product			
<input type="checkbox"/>	17	Bán Chạy			
<input type="checkbox"/>	100	Sort			











Result of test case 6:



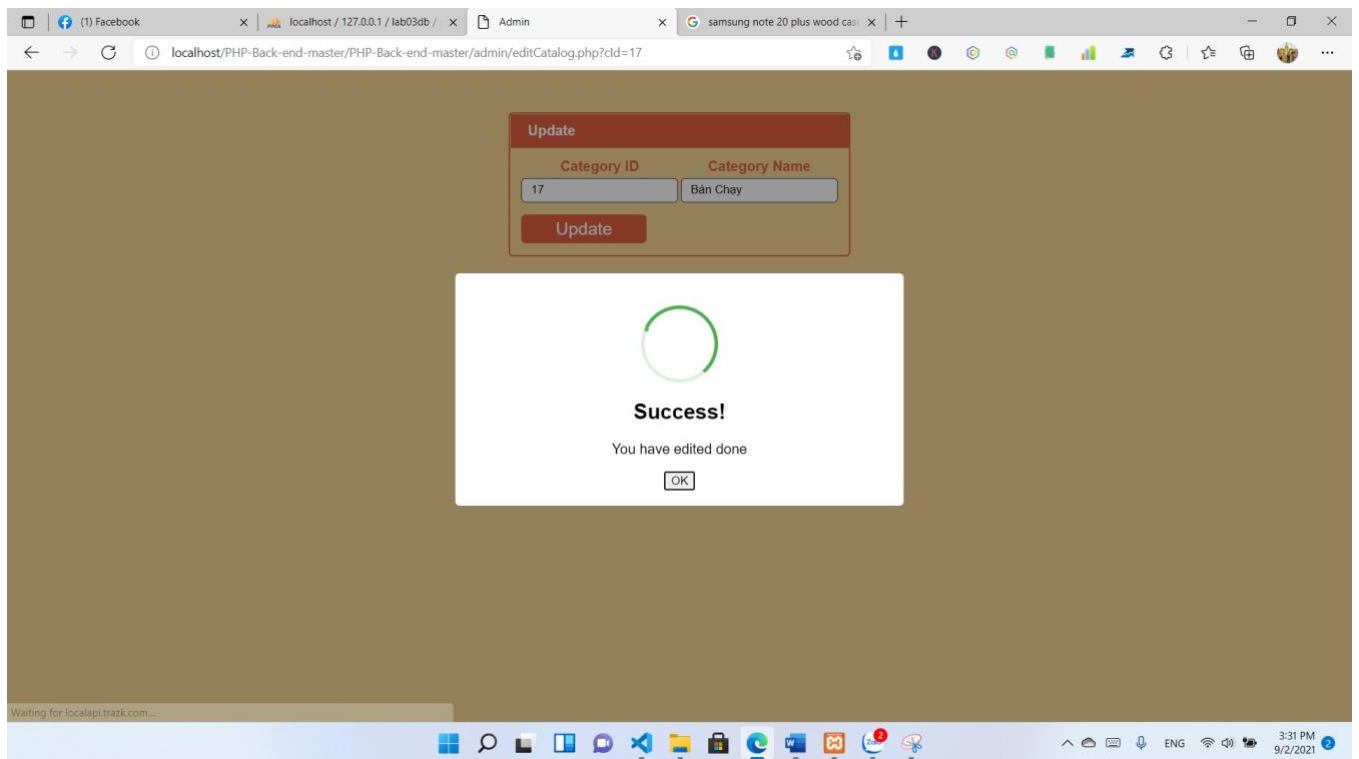
Show Catalog				Search	Search...
 Delete	Catalog ID	Catalog Name	Actions		
<input type="checkbox"/>	4	Wood Case			
<input type="checkbox"/>	5	New			
<input type="checkbox"/>	8	New product			
<input type="checkbox"/>	17	Bán Chạy			
<input type="checkbox"/>	100	Sort			












Test case 7:

Update catalog has id = 17 and set catalog name is "Best seller"

Show Catalog				Search	Search...
Delete	Catalog ID	Catalog Name	Actions		
<input type="checkbox"/>	4	Wood Case			
<input type="checkbox"/>	5	New			
<input type="checkbox"/>	8	New product			
<input type="checkbox"/>	17	Bán Chạy			
<input type="checkbox"/>	100	Sort			











Result of test case 7:



Show Catalog				Search	Search...
 Delete	Catalog ID	Catalog Name	Actions		
<input type="checkbox"/>	4	Wood Case			
<input type="checkbox"/>	5	New			
<input type="checkbox"/>	8	New product			
<input type="checkbox"/>	17	Best seller			
<input type="checkbox"/>	100	Sort			


Test case 8:

Find item has number 11:

Show Products							Tìm kiếm	11
	Image	Product Name	ID Product	Brand	Price	Actions		
<input type="checkbox"/>		Wood Case Iphone 7	1	Apple	1246000	 		
<input type="checkbox"/>		Iphone X Wood Case	2	Apple	4000000	 		
<input type="checkbox"/>		Iphone 12 Promax Wood case	3	Apple	1739000	 		

Result of test case 8:

[+Add product](#)
[+Update product](#)

Show Products						<div> <div>Tìm kiếm</div> <input type="text" value="11"/> </div>
	Image	Product Name	ID Product	Brand	Price	Actions

## 8. QA for for design and proccess ( M5 )

In my design and development stages. I judge some of criteria

- Plan:
  - We have collected customer feedback and set up plans to develop an online sales system
  - Used UML tool to design the functions of website. Build the system, after designing the outline, I plan to deploy the construction of the site based on the data and the outline interface to build a website that has a friendly interface and brings.
- Do: Online sales website system has completed. The website is not 100% complete but can still be deployed and used at a high level. The actual level is above 90% with full functions. In addition, the website can be optimized very well in some characteristics such as very fast processing speed, high page load speed, full functions, such as adding, deleting, editing and searching
- Check: During the inspection process we were to check the interface to see if it was true to the customer's requirements, the functional part we thoroughly checked the operation and saw the links that led to the address is as expected.
- Act: Implement actions that are necessary to achieve improvements in the processes me must use Quality Assurance to ensure that the product is designed and implemented with correct procedures. This helps reduce problems and errors, in the final product.



## 9. Feedback about functions of website

Although this is the first project of the BFSOFT Group with the project of building a sales website in general and selling phone cases in particular. There are also some errors such as email, password cannot be blank and not in the correct format, in addition, the IDs of the products cannot be duplicated. In practice and in the future, we will further improve in terms of data handling in the most optimal way and the interface will be much more beautiful. In addition, the upgrade will not be too difficult and the cost is not too much.

## References List:

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