

ASSIGNMENT 2 FRONT SHEET

Qualification	BTEC Level 5 HND Diploma in Computing		
Unit number and title	10: Website Design & Development		
Submission date		Date Received 1st submission	
Re-submission Date		Date Received 2nd submission	
Student Name	Nguyen Duc Phat	Student ID	BH00279
Class	IT0504	Assessor name	Ngo Thi Mai Loan
Student declaration 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.			
		Student's signature	

Grading grid

P5	P6	P7	M4	M5	D2	D3

⚙ **Summative Feedback:**

⚙ **Resubmission Feedback:**

Grade:

Assessor Signature:

Date:

Signature & Date:

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A. Introduce

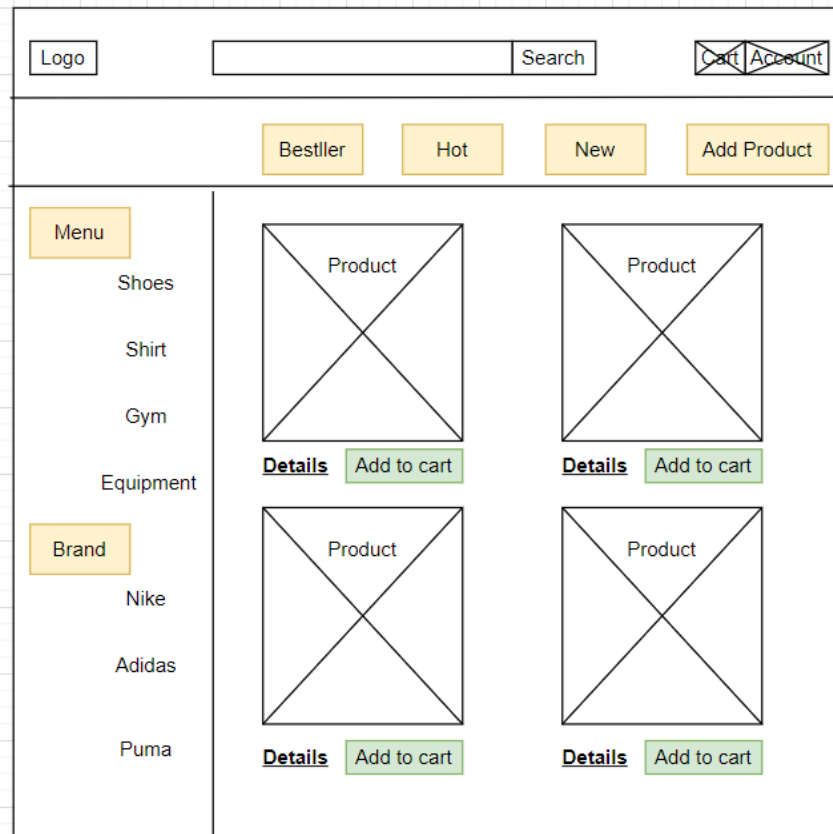
In the ASM article, I will present my working process to design a website that sells sportswear, in that website there will be basic features such as adding products, logging in, registering...

B. Body

- I. Create a design document for a branded, multipage website supported with medium fidelity wireframes and a full set of client and user requirements. (P5)

1. Design the structure and components of the website

- a. Home page



- b. Add product

Add Product

Product ID

Product Name

Product Price

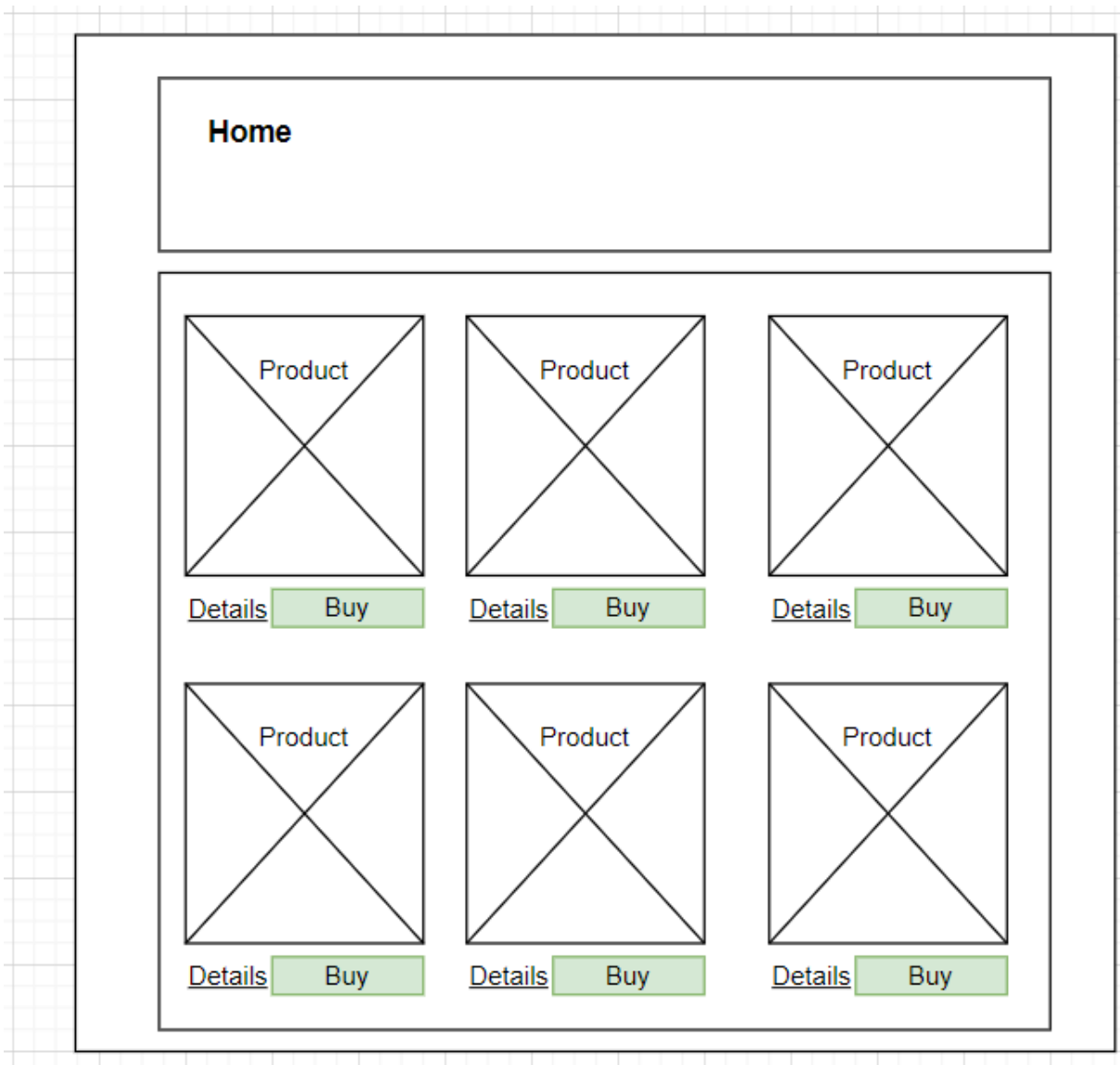
Amount

choose file

Product Descrise

Add product

c. Add to cart



d. Login account

LOGIN ACCOUNT

Username

Password

Login Register

e. Register

Register

Username

Password

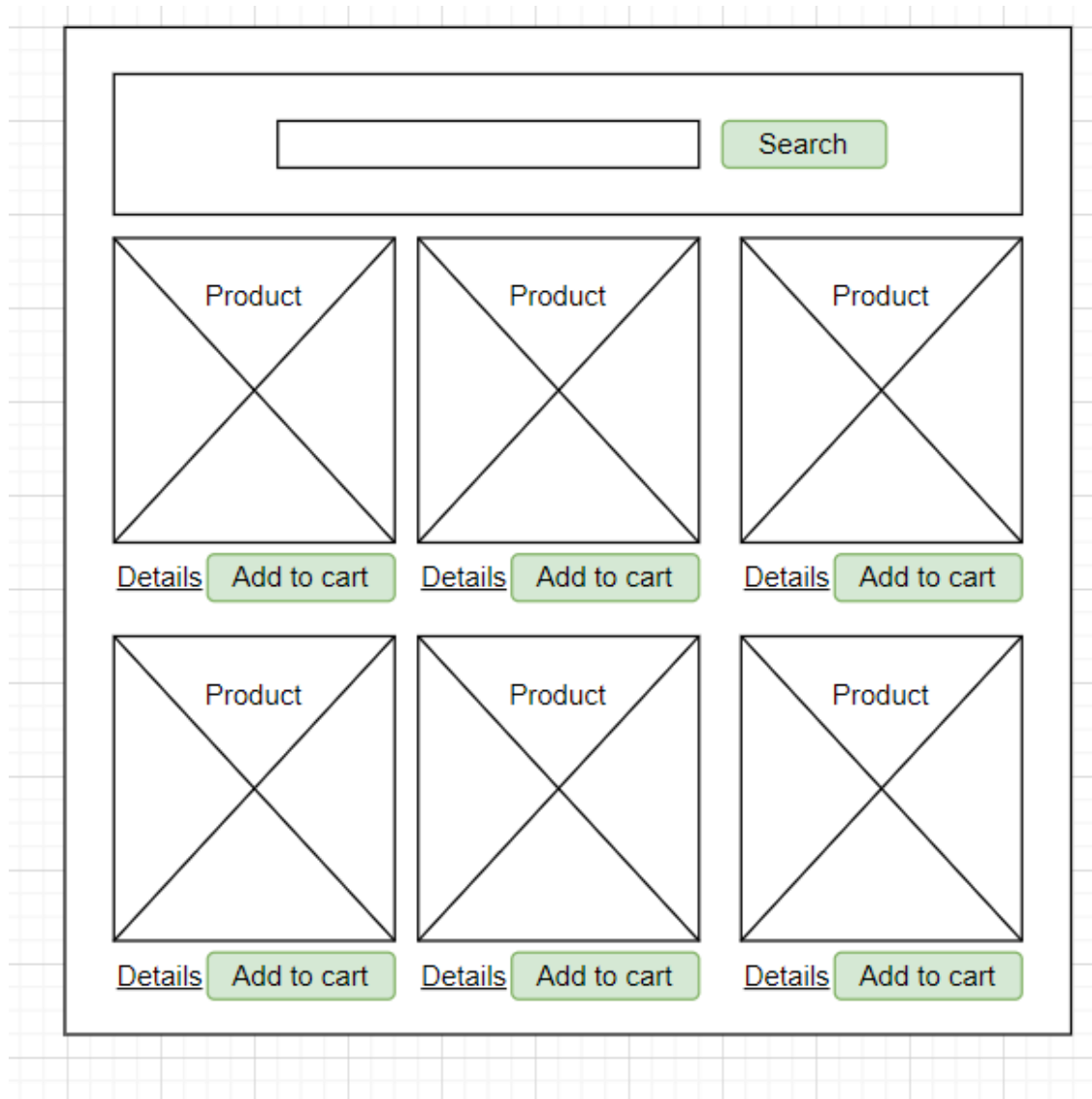
Email

Age

Register

Login

f. Search Product



2. Database Design














- a. Table Product: used to add products to the database and display on the homepage interface

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	productid	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	productname	varchar(50)	utf8mb4_vietnamese_ci		No	None			Change Drop More
<input type="checkbox"/> 3	productprice	int(11)			No	None			Change Drop More
<input type="checkbox"/> 4	productamount	int(11)			No	None			Change Drop More
<input type="checkbox"/> 5	productimg	varchar(200)	utf8mb4_vietnamese_ci		No	None			Change Drop More
<input type="checkbox"/> 6	productdescrie	varchar(200)	utf8mb4_vietnamese_ci		No	None			Change Drop More

b. Table user : used to store registration data

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	uid	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	username	varchar(50)	utf8mb4_vietnamese_ci		No	None			Change Drop More
<input type="checkbox"/> 3	pass	varchar(50)	utf8mb4_vietnamese_ci		No	None			Change Drop More
<input type="checkbox"/> 4	email	varchar(100)	utf8mb4_vietnamese_ci		No	None			Change Drop More
<input type="checkbox"/> 5	Age	int(11)			No	None			Change Drop More

c. Cart Table : Used to save products that customers choose

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id 	int(11)			No	None		AUTO_INCREMENT	 Change  Drop 
<input type="checkbox"/>	2	productname	varchar(50)	utf8mb4_vietnamese_ci		No	None			 Change  Drop 
<input type="checkbox"/>	3	productprice	varchar(50)	utf8mb4_vietnamese_ci		No	None			 Change  Drop 
<input type="checkbox"/>	4	productimg	varchar(200)	utf8mb4_vietnamese_ci		No	None			 Change  Drop 

II. Use your design document with appropriate principles, standards and guidelines to produce a branded, multipage website supported with realistic content.

1. Tools and languages used for development

The tool used for web programming is visual studio code

a. Front End

○ HTML

Here is the HTML code of the article

```
<div class="header">
<p>Sport-shop</p>

<input class="textsearch" type="text"><input class="btnsearch" type="button" value="Search">

<a href="login.php"></a>
</div>
<div class="fastsearch">
<p><a href="">Bestseller </a></p>
<p><a href=""> Hot </a></p>
<p><a href="">New </a></p>
<p><a href="addproduct.php">Add Product</a></p>
</div>
<div class="synthetic">
<div class="listmenu">
<p>Menu</p>
<div>
<ul>
<li>Shoes</li>
<li>Shirt</li>
<li>Gym</li>
<li>Sport equipment</li>
</ul>
</div>
<div>
<p>Brand</p>
<ul>
<li>Nike</li>
<li>Adidas</li>
<li>Puma</li>
</ul>
</div>
</div>
<div class="product">
```

○ CSS

Here is the CSS code of the article

```

<style>
body{
width: 100%;
height: 1200px;
}
.header{
background-color: coral;
width: 100%;
height: 100px;
position: relative;
}
.header .logo {
width: 60px;
height: 60px;
margin-top: 20px;
margin-left: 15px;
}
.header >p:first-of-type{
font-size: 30px;
position: absolute;
margin-top: 30px;
margin-left: 80px;
}
.textsearch
{
width: 40%;
height: 50px;
margin-top: 25px;
margin-left: 20%;
position: absolute;
font-size: 25px;
}
.btnsearch

```

```

41 .btnsearch
42 {
43
44     margin-left: 60%;
45     margin-top: 25px;
46     height: 50px;
47     font-size: 25px;
48     width: 200px;
49     position: absolute;
50 }
51 .cart
52 {
53     height: 30px;
54     width: 30px;
55     margin-left: 85%;
56     margin-top: 40;
57     position: absolute;
58 }
59 .acount{
60     height: 30px;
61     width: 30px;
62     margin-left: 87%;
63     margin-top: 40;
64     position: absolute;
65 }
66 .fastsearch
67 {
68     height: 100px;
69     width: 100%;
70     background-color: rgb(189, 180, 56);
71     font-size: 40px;
72 }
73 .fastsearch >p

```

```
.fastsearch >p
{
  list-style: none;
  display: inline-block;
  margin-left: 150px;
  margin-top: 30px;
}
.fastsearch >p >a{
  text-decoration: none;
}
.fastsearch >p:first-of-type
{
  margin-left: 40%;
}

.synthetic
{
  height: 1000px;
  width: 100%;
}

.listmenu
{
  height: 1000px;
  width: 20%;
  background-color: rgb(222, 188, 143);
  float: left;
  font-size: 40px;
}

.product
{
  height: 1000px;
  width: 80%;
  background-color: rgb(179, 237, 237);
  float: right;
}
```

```
.listmenu >div:first-of-type >ul li{
  list-style: none;
  font-size: 30px;
  line-height: 60px;
}
.listmenu >div:first-of-type >ul li:first-of-type{
  margin-top: -40px;
}
.listmenu >div:last-of-type >ul li{
  list-style: none;
  font-size: 30px;
  line-height: 60px;
}
.listmenu >div:last-of-type >ul li:first-of-type{
  margin-top: -40px;
}

.product .singleproduct >img
{
  width: 300px;
  height: 350px;
  border-style:solid ;
  border-color:rosybrown ;
  margin-left: 50px;
  margin-bottom: 10px;
  box-sizing: border-box;
}

.product .singleproduct{
  display: inline-block;
```

```
.product .singleproduct{
  display: inline-block;
}
.product .singleproduct> h3
{
  font-size: 35px;
  font-weight: bold;
  color:red;
  text-align:center;
  margin-left: 45px;
}
#cart
{
  font-size: 20px;
  height: 30px;
  width: 150px;
}
#details
{
  font-size: 30px;
  margin-left: 90px;
}
#p{
  font-size: 30px;
  margin-left: 140px;
}
```

b. Back End

○ PHP

Here is the PHP code of the article

```
<?php

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

$sql = "select * from product";

$result = mysqli_query($connect,$sql);

while($row_product =mysqli_fetch_array($result)){

    $product_id = $row_product['productid'];
    $product_name = $row_product['productname'];
    $product_price = $row_product['productprice'];
    $product_img = $row_product['productimg'];

    echo"

    <div class='singleproduct'>
    <h3>$product_name</h3>
    <img src='Image/$product_img' />
    <br>

    <p id='p'><b> Price:$product_price </b></p>
    <a href='detail.php?id=$product_id' id='details'>Details</a>
    <a href='index.php?add_cart=$product_id'>
    <button id='cart'>Add to Cart</button>
    </a>
    </div>"; }

?>
```

- My SQL

Here are the tables in Mysql

Product table

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	productid	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	productname	varchar(50)	utf8mb4_vietnamese_ci		No	None			Change Drop More
<input type="checkbox"/>	3	productprice	int(11)			No	None			Change Drop More
<input type="checkbox"/>	4	productamount	int(11)			No	None			Change Drop More
<input type="checkbox"/>	5	productimg	varchar(200)	utf8mb4_vietnamese_ci		No	None			Change Drop More
<input type="checkbox"/>	6	productdescribe	varchar(200)	utf8mb4_vietnamese_ci		No	None			Change Drop More

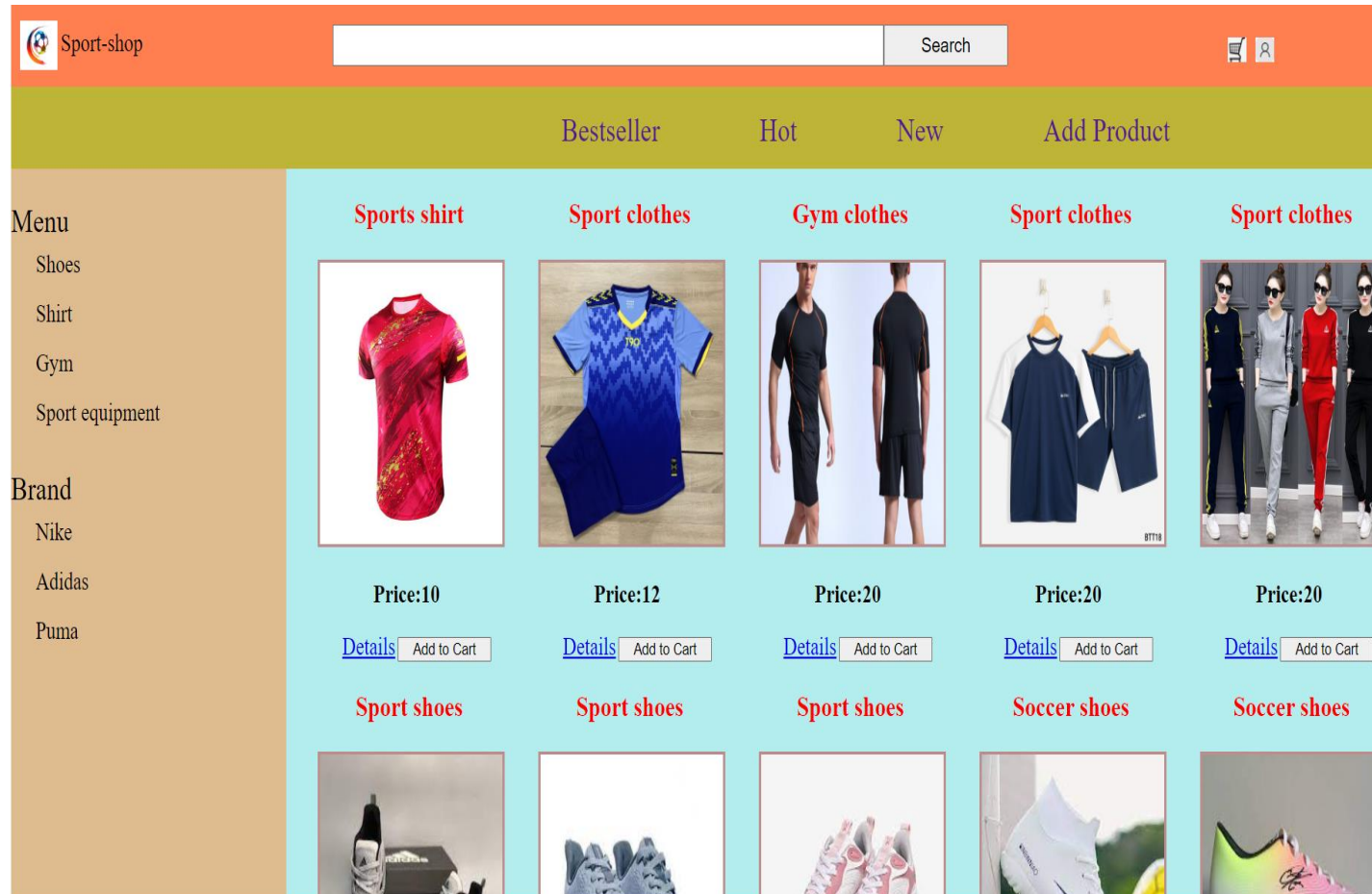
User Table

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	uid	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	username	varchar(50)	utf8mb4_vietnamese_ci		No	None			Change Drop More
<input type="checkbox"/>	3	pass	varchar(50)	utf8mb4_vietnamese_ci		No	None			Change Drop More
<input type="checkbox"/>	4	email	varchar(100)	utf8mb4_vietnamese_ci		No	None			Change Drop More
<input type="checkbox"/>	5	Age	int(11)			No	None			Change Drop More

Cart Table

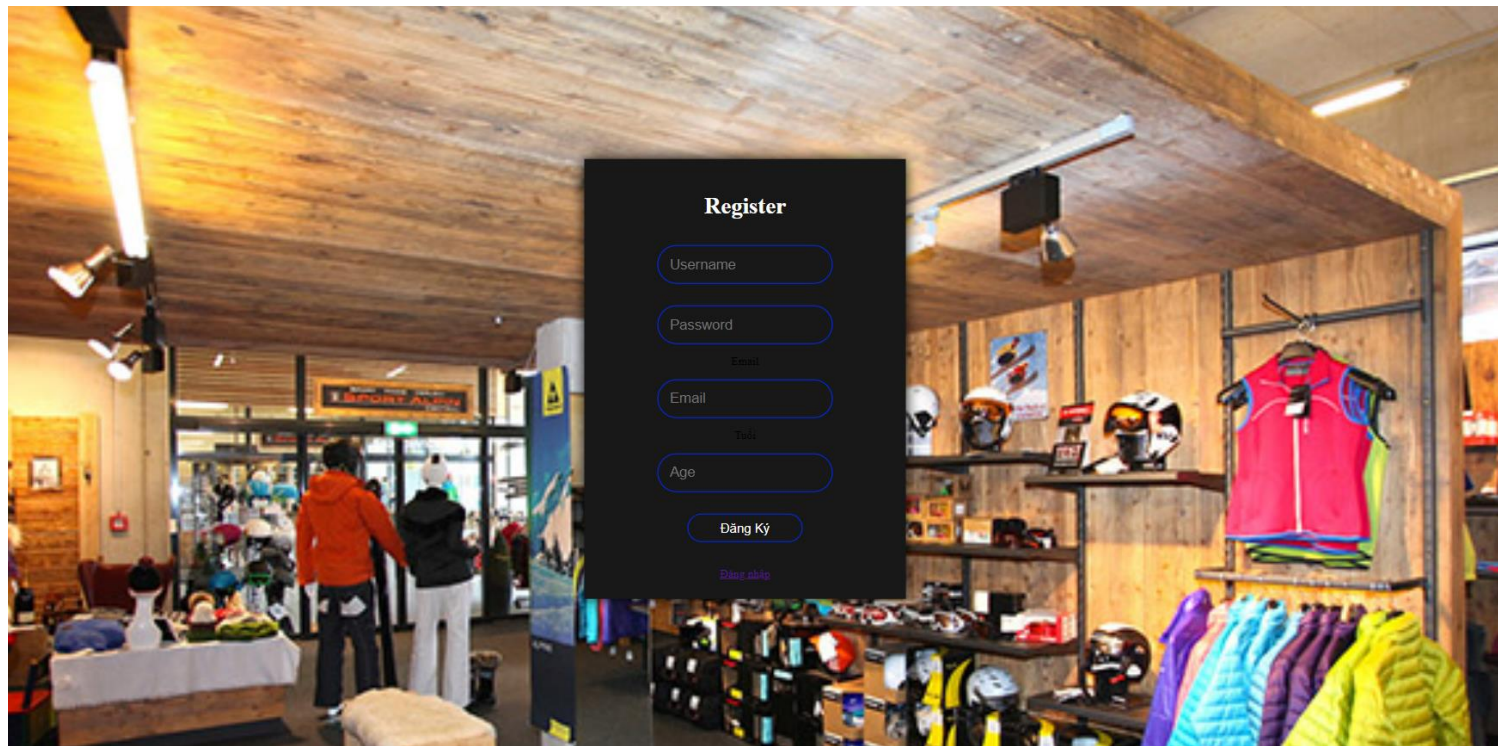
	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	productname	varchar(50)	utf8mb4_vietnamese_ci		No	None			Change Drop More
<input type="checkbox"/>	3	productprice	varchar(50)	utf8mb4_vietnamese_ci		No	None			Change Drop More
<input type="checkbox"/>	4	productimg	varchar(200)	utf8mb4_vietnamese_ci		No	None			Change Drop More

2. Describe how the website works?
 - a. Sportsshop's homepage



b. Register

Fuction: used for users to register accounts and transfer user information to the database

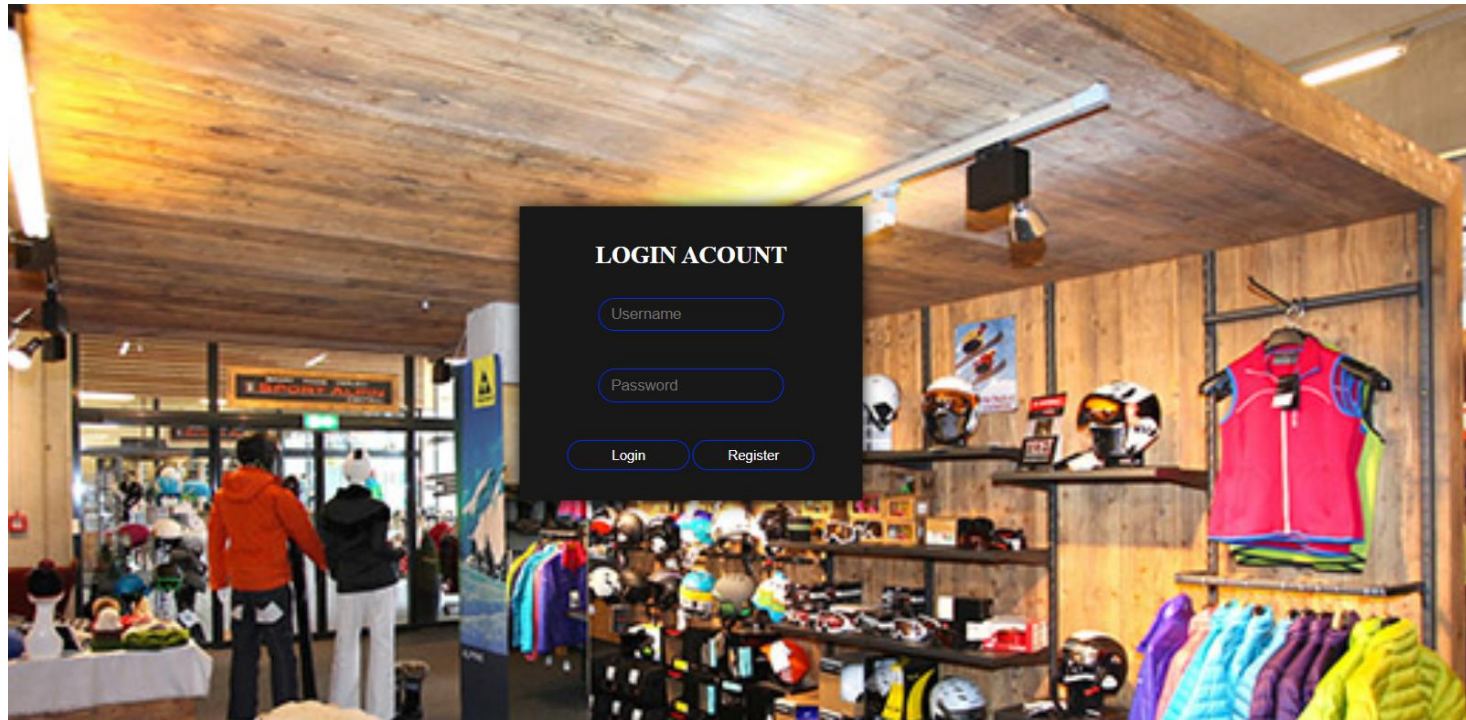


Database

← T →				uid	username	pass	email	Age
<input type="checkbox"/>	 Edit	 Copy	 Delete	3	phat	1234	ducphatdh2003@gmail.com	20
<input type="checkbox"/>	 Edit	 Copy	 Delete	4	hoa chi	12345	phatdh2003@gmail.com	30
<input type="checkbox"/>	 Edit	 Copy	 Delete	5	dung	1234	dung@gmail.com	27
<input type="checkbox"/>	 Edit	 Copy	 Delete	6	huong	12345	huong@gamil.com	32
<input type="checkbox"/>	 Edit	 Copy	 Delete	7	phuong	110404	phuong@gmail.com	18

c. Login

Fuction: used for security and user management

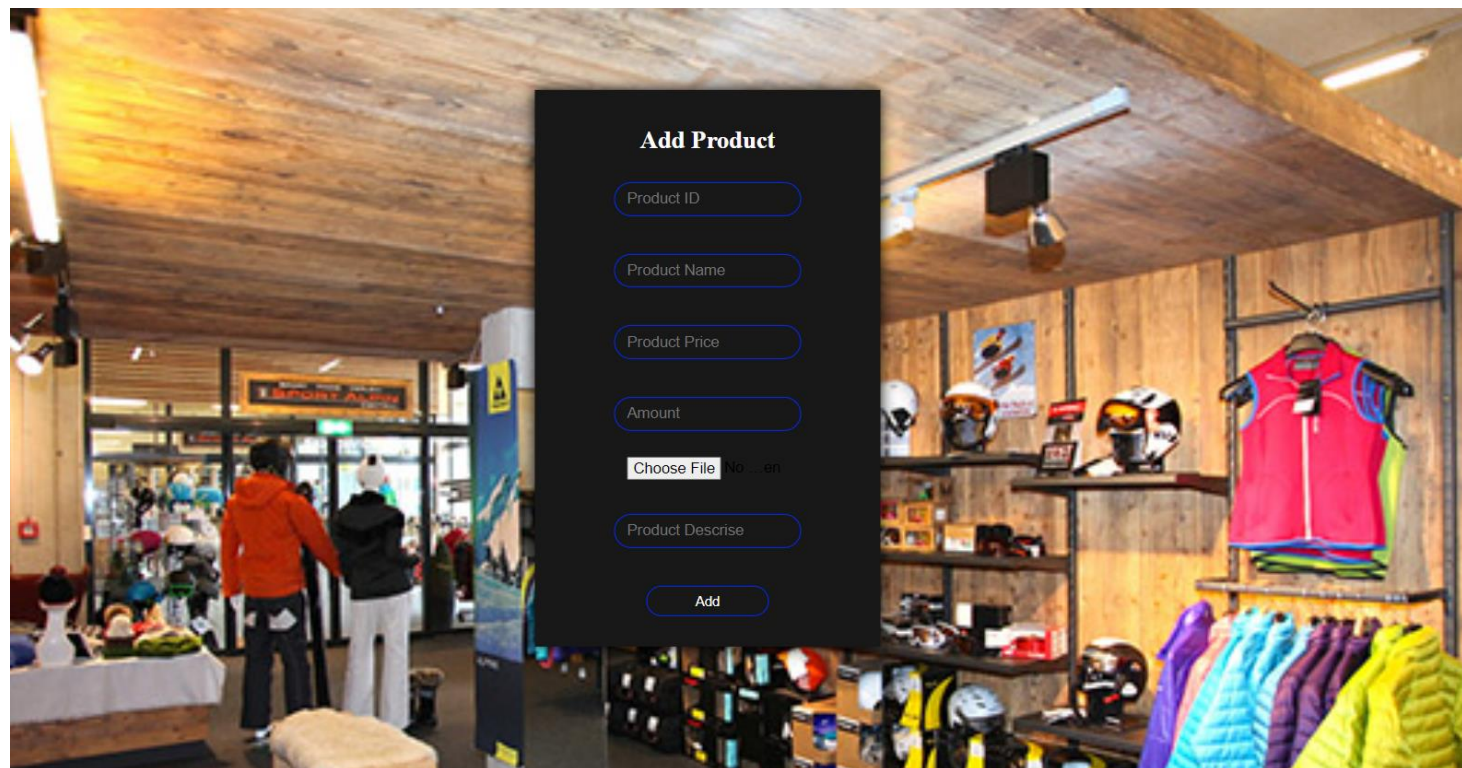


Database

← T →				uid	username	pass	email	Age
<input type="checkbox"/>	Edit	Copy	Delete	3	phat	1234	ducphatdh2003@gmail.com	20
<input type="checkbox"/>	Edit	Copy	Delete	4	hoa chi	12345	phatdh2003@gmail.com	30
<input type="checkbox"/>	Edit	Copy	Delete	5	dung	1234	dung@gmail.com	27
<input type="checkbox"/>	Edit	Copy	Delete	6	huong	12345	huong@gamil.com	32
<input type="checkbox"/>	Edit	Copy	Delete	7	phuong	110404	phuong@gmail.com	18

d. Add Product

Fuction: Used to add information to the database and display products on the shop's homepage



The product has been added to the database


		productid	productname	productprice	productamount	productimg	productdescribe
<input type="checkbox"/>	 Edit  Copy  Delete	6	Sports shirt	10	100	ao do.jpg	stretch fabric
<input type="checkbox"/>	 Edit  Copy  Delete	8	Sport clothes	12	200	xanh.jpg	high quality fabric
<input type="checkbox"/>	 Edit  Copy  Delete	9	Gym clothes	20	300	gym.jpg	High quality litter
<input type="checkbox"/>	 Edit  Copy  Delete	10	Sport clothes	20	100	xam.jpg	High quality litter
<input type="checkbox"/>	 Edit  Copy  Delete	11	Sport clothes	20	100	shop-ban-do-the-thao-nu-1.jpg	high quality fabric
<input type="checkbox"/>	 Edit  Copy  Delete	1006	Sport shoes	30	100	tai xuong (1).jpg	High Quality
<input type="checkbox"/>	 Edit  Copy  Delete	1008	Sport shoes	15	200	tai xuong.jpg	High Quality
<input type="checkbox"/>	 Edit  Copy  Delete	1009	Sport shoes	12	300	tai xuong (2).jpg	High Quality
<input type="checkbox"/>	 Edit  Copy  Delete	1011	Soccer shoes	30	100	tai xuong (3).jpg	High Quality
<input type="checkbox"/>	 Edit  Copy  Delete	10012	Soccer shoes	12	300	tai xuong (4).jpg	High Quality

e. Cart

Fuction: Used to save products that customers choose

Home


Sports shirt



Price:10

[Details](#) [Buy](#)


Sport clothes



Price:12

[Details](#) [Buy](#)


Sport shoes



Price:30

[Details](#) [Buy](#)


Soccer shoes



Price:12

[Details](#) [Buy](#)

Sport shoes



Price:30

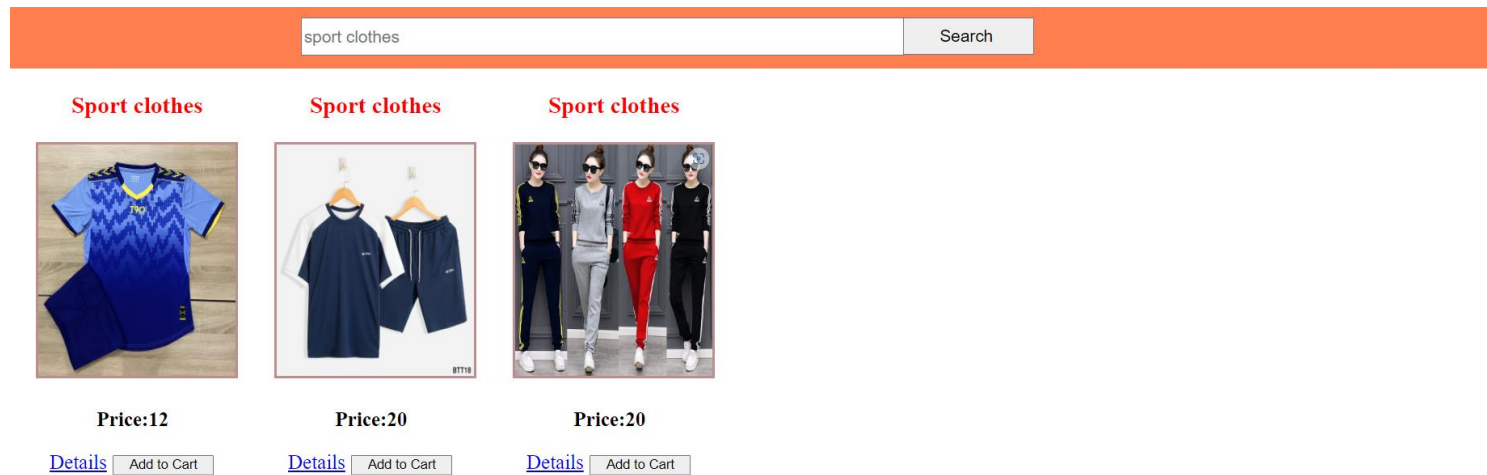
[Details](#) [Buy](#)

Database

				id	productname	productprice	productimg
<input type="checkbox"/>		Edit		Copy		Delete	7 Sports shirt 10 ao dỏ.jpg
<input type="checkbox"/>		Edit		Copy		Delete	8 Sport clothes 12 xanh.jpg
<input type="checkbox"/>		Edit		Copy		Delete	9 Sport shoes 30 tải xuống (1).jpg
<input type="checkbox"/>		Edit		Copy		Delete	10 Soccer shoes 12 tải xuống (4).jpg
<input type="checkbox"/>		Edit		Copy		Delete	11 Sport shoes 30 tải xuống (1).jpg
<input type="checkbox"/>		Edit		Copy		Delete	12 Sport clothes 20 shop-ban-do-the-thao-nu-1.jpg

f. Search

Fuction: Used to display search information

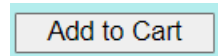


g. The functions in the website

Product search function



Function add products to cart



Function used to go to the shopping cart and register to login to the website



Function to use to access the add product page



h. Link source code: <https://drive.google.com/drive/folders/1LUBhIrFccy5Zn9hUZdSSK7fzIhF4K9IU>

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

1. Test UI (include color, layout, font, image)



Test criteria	Detail
Website colors	Orange, brown, blue
Font	30px
Picture	Clear image
Size, position, width, height of elements.	The Image displayed on the computer interface is suitable, but the interface is still messy for the phone
Display	Eye-catching interface easy to use

2. Test UX (when open the website on a variety of devices)

Test criteria	Detail
When opening the website on different devices	When opening the web on mobile devices, it is not appropriate. The layout sizes are not reasonable
Website loading time	Fast website loading time only takes 1s
User's attitude towards the site	For users who use computers to log in to the website, they are very satisfied, but for users who use phones, there are many complaints because the web has many things that are not suitable for phones.

3. Test case

No	Test case	Input data	Expected output	Actual output	Evaluation
1	Test link home	http://localhost/ASM2/shopsport.php	Display all product	Display all product	Pass
2	Test link login page	Username: phat Password: 1234	Display sports shop homepage	Display sports shop homepage	Pass
3	Test link login page	Username: 26huong (username is not in database)	login failed message	login failed message	Pass

		Password: 1234			
4	Add product	Product ID: 0006 Product Name : Sports shirt Product Price: 10\$ Amount: 100 Image:  Product Describe: stretch fabric	Successful insert message	Successful insert message	Pass
5	Add product	Product ID: 0006 Product Name : Sports shirt Product Price: Amount: 100 Image:  Product Describe: stretch fabric	Please fill in the product information message	Please fill in the product information message	Pass
6	Test link register page	Username: Phuong Password:1234 Email: phuonglt@gmail.com Age: 18	Display “Register successfully”	Display “Register successfully”	Pass
7	Test product search	Input: sport clothes	Display on products named sport clothes	Display on products named sport clothes	Pass
8	Test Add to cart	Input: Click button “Add to cart”	Show products in cart	Show products in cart	Pass

C. Conclusion

In the ASM post, the features I have installed for the website are:

- Search
- Log in
- More Products
- Register
- Add to cart

D. References