



UNIVERSITY
of
GREENWICH

ASSIGNMENT WEB DESIGN AND DEVELOPMENT

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I. DESIGN DOCUMENT

1. Client and user requirements:

To develop and design a website to sell clothes, we need to prepare a directory including a sketch map of the website designed with the draw.io. tool. The home interface is designed to be simple, with enough functional buttons for an online clothing sale site. When accessing the website, the home screen will display. A sketch of the website's frame, making it easier for designers and users to deploy it.

Client and user requirements:

| User | Roles |
|----------|---|
| Customer | See, show details about the address, know the store's information, can go to and buy goods. On the website with product display function, Customers may order goods, place goods or buy goods online or directly at the store. In addition, customers can contact the store |
| Manager | Admin can manage the store, view the product deletion at will, update available items or out of stock. |
| Admin | The administrator can edit the site at his or her own discretion, can update the information and access the code to edit it. |

2. Design function

2.1. Sitemap

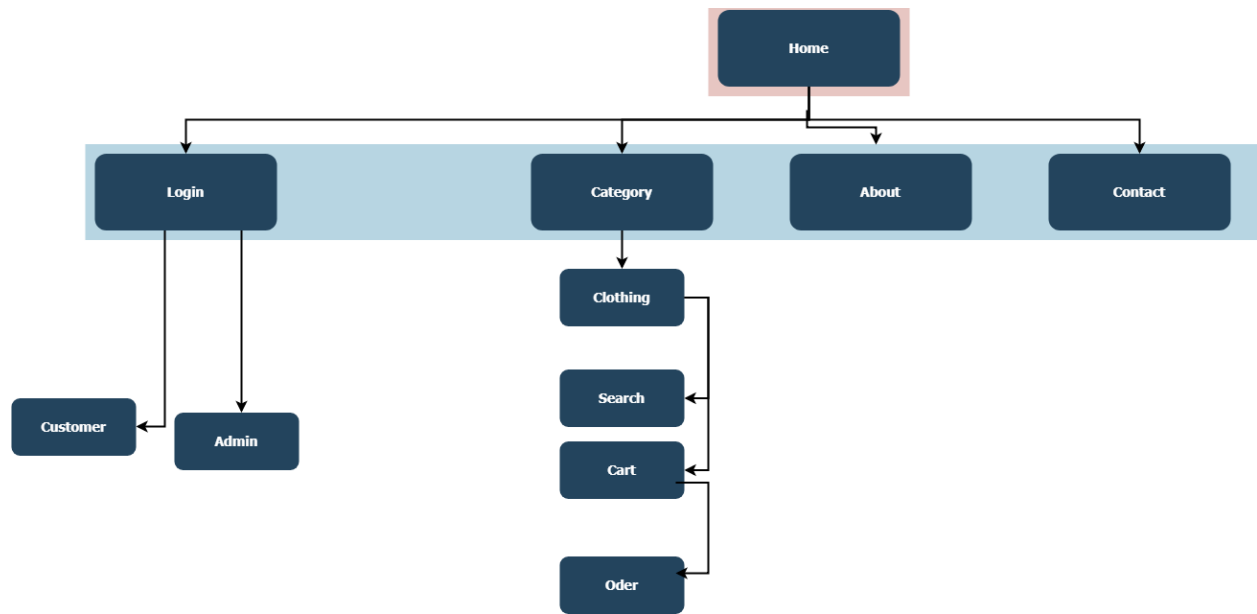


Figure 1:Sitemap

2.2. Wireframes websites

2.2.1. Home

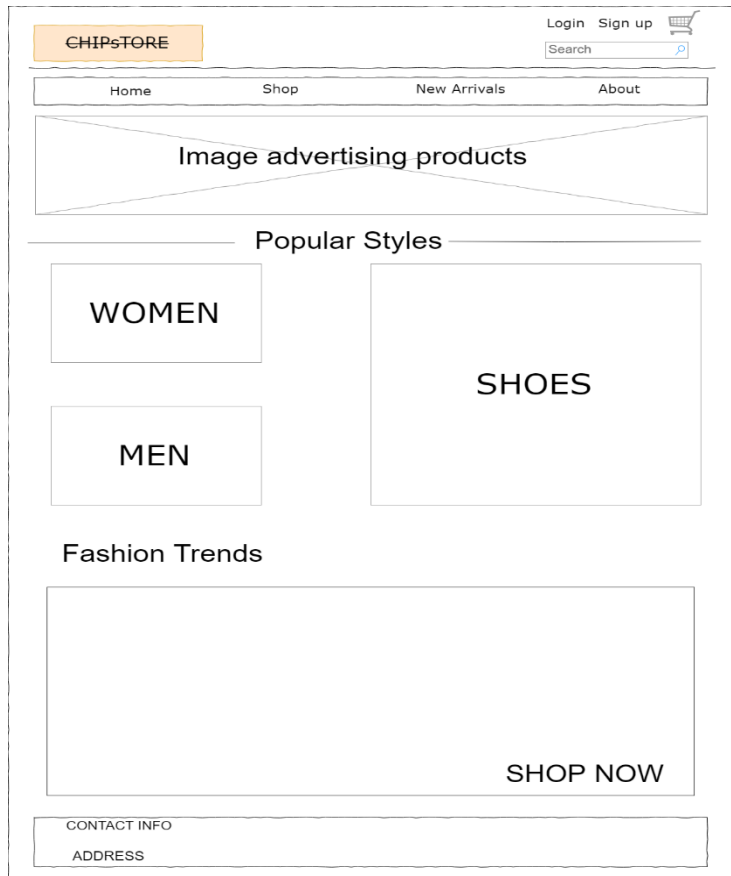


Figure 2: Home page

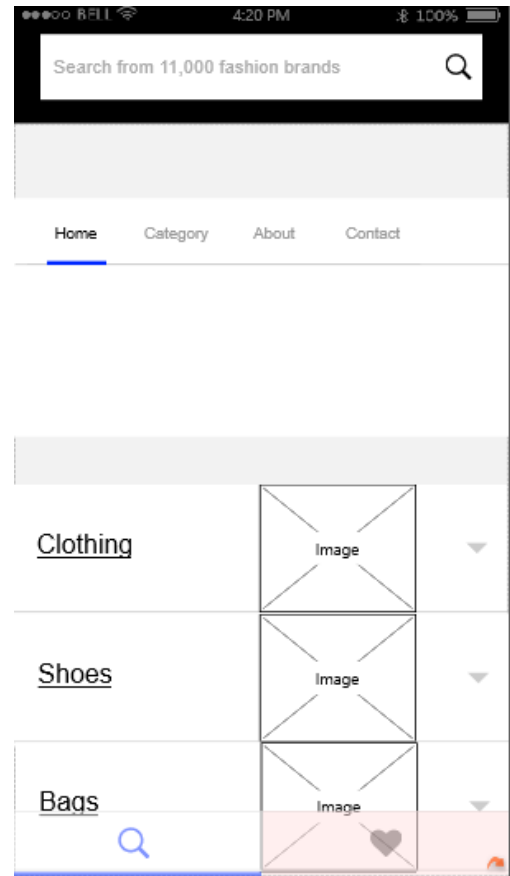


Figure 3: Home on mobile

With draw.io, the sketch was formed. In my website, include buttons that operate with different features and uses.

- Home button: Click on it to move to home
- Shop button: Clicking on it will go to the shop page
- New arrivals button: will move to new arrivals page
- Login button: Click on it will go to the login page
- Sign up button: click on it will go to sign up page
- Search: find to categories
- Cart: Check the selected products for payment
- Image advertising products: Show pictures of available shop products
- In popular style: Women: is image, when click to women and move to a female product
Men: is image, when click to men and move to a male product

Shoes are image and when clicking to image, move to shoe product in the shop

- The fashion trend is image and clicks the shop now will move to the shop page
- Contact info: Info to contact
- Address: address to go and go to buy directly

2.2.2. Shop

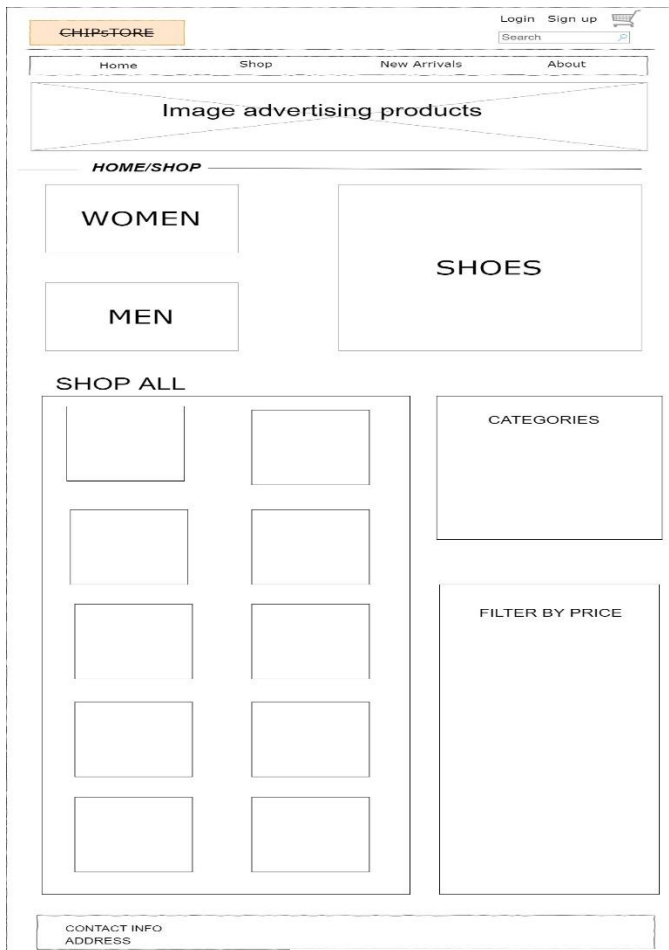


Figure 5: Shop page

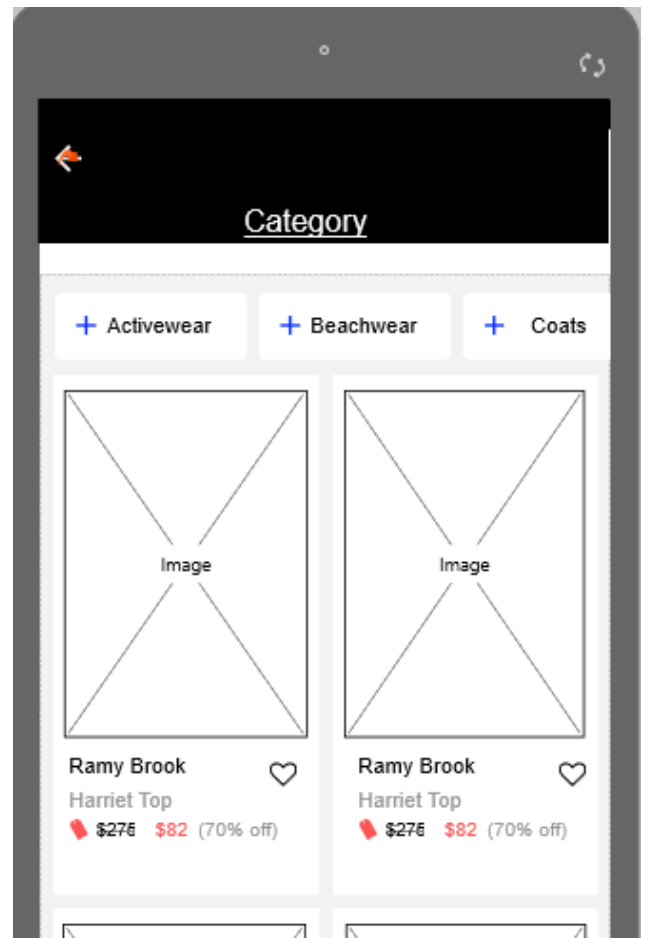


Figure 4: Shop page on mobile

- When the user clicks on the Shop item, the home interface will switch to the shop, displaying products, including men's, women's, and shoes. All shop is the display of all products, making it easy for users to view all products of the shop. In the shop can add products to the cart. Search more easily with price filters and categories.
- Click to women to transfer products to women to order.
- Click to men to transfer products to men to order.
- Click to shoes to transfer products to shoes to order.
- In Shop all, have a lot of products, click to products to view detail and add to cart.

- All products are taken from the database. The system administrator will have the right to add and delete products.

2.2.3. Category

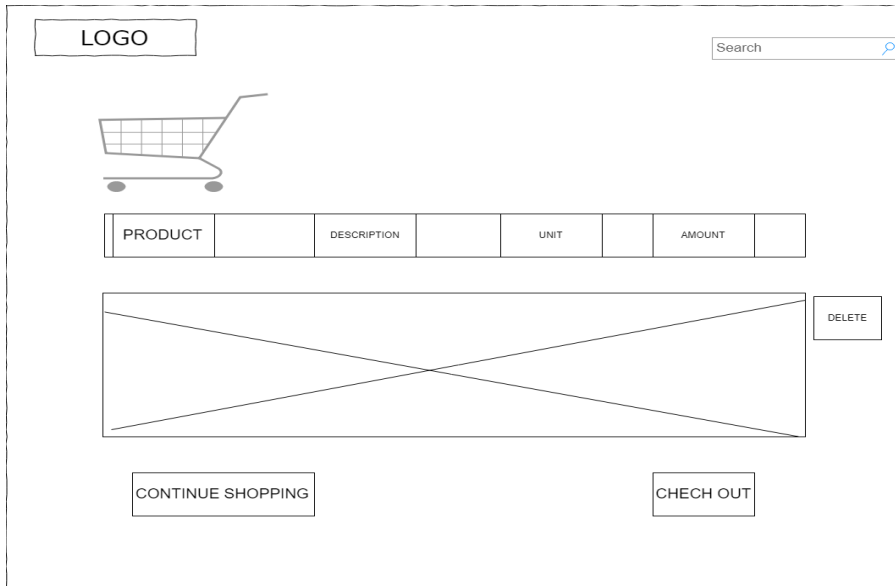


Figure 7: Category

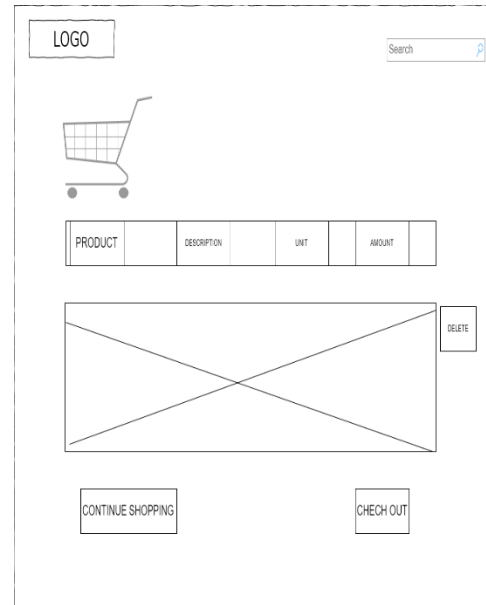


Figure 6:Category page in mobile

- When you choose the item you like and add the item to the cart. From the main screen, click to cart will display the cart out of the screen. A product, description, quantity and price will appear on the screen.
- If you do not want to buy the item in the shopping cart, select delete to delete it from the shopping cart.
- Click "Continue shopping" to continue shopping
- Click to "check out" to pay for the order.
- After, choose done products, website will automatic order products.

2.2.4. About

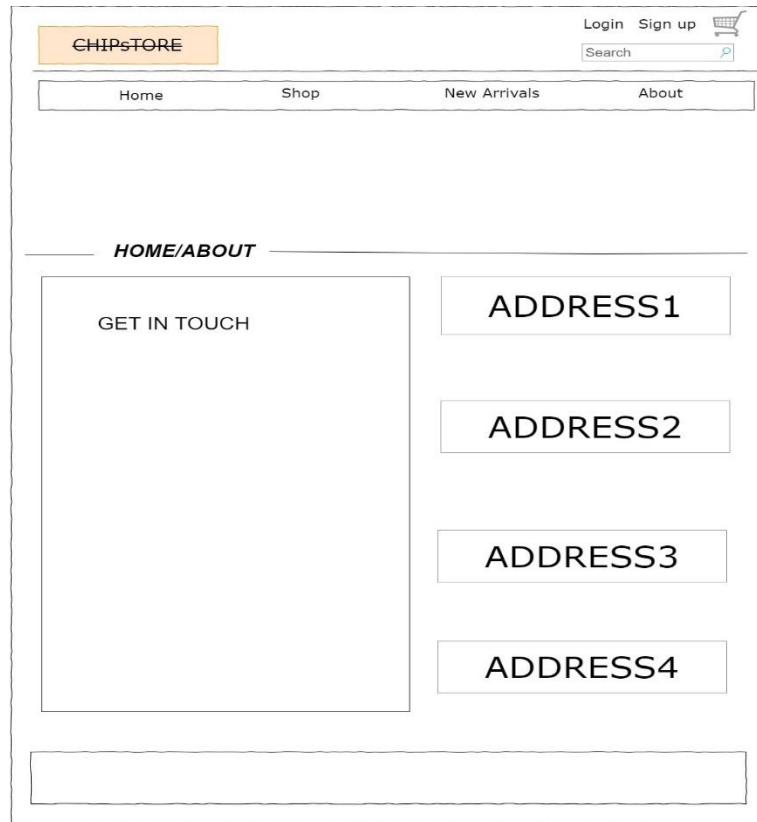
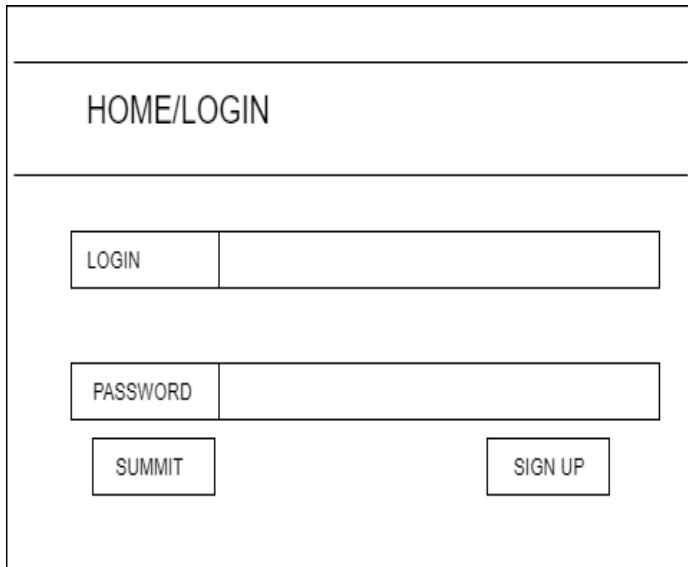


Figure 8:About to shop

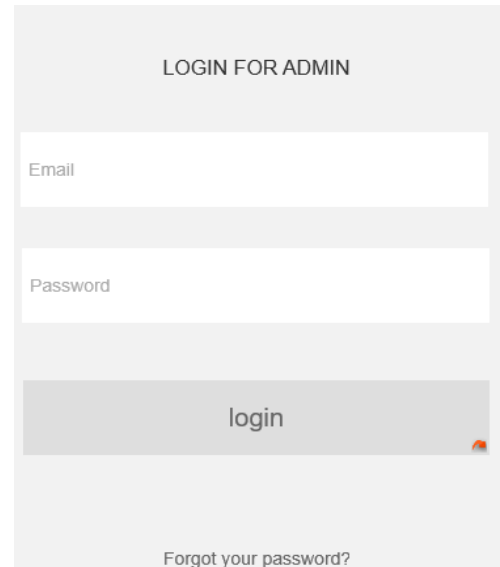
- Home / ABOUT displays a screen of information about the website, brand and retrieve customer information.
- GET IN TOUCH will get customer information to send information about the new collection as well as an invitation to thank ...
- Address is the address of shop; shop has 4 establishments nationwide. All customers can come to these 4 facilities to purchase goods
- The same design about page to mobile website

2.2.5. Login



A wireframe diagram of a login form. At the top, a horizontal line separates the header 'HOME/LOGIN' from the form area. Below the header, there are two input fields. The first field is labeled 'LOGIN' and the second is labeled 'PASSWORD'. Below these fields, there are two buttons: 'SUMMIT' on the left and 'SIGN UP' on the right.

Figure 10: Login



A mobile app login screen. At the top, the text 'LOGIN FOR ADMIN' is displayed. Below it, there are two input fields labeled 'Email' and 'Password'. A large 'login' button is positioned below the fields. At the bottom, there is a link that says 'Forgot your password?'.

Figure 9: Login in mobile

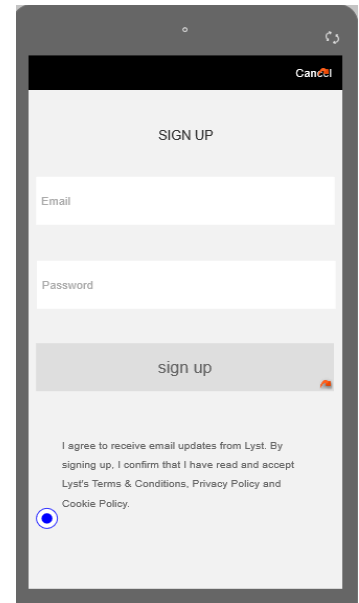
- The login screen will be displayed when clicking Home/login
- Use the registered account and password to login
- Example: Account: ABC123 password 123456
- Login: ABC123
- Password: 123456
- And press summit
- The correct result will return to the home screen plus the account
- The wrong result will return the wrong account or password
- If not have account press sign up
- The login screen will switch to the sign up screen
- After, successful create account, customer will move to sign in and use sign in.

2.2.6. Sign up



A desktop sign-up form layout. At the top, there is a header bar with the text "SIGN UP". Below the header, there are two input fields. The first input field is labeled "NAME" and has a placeholder text "NAME". The second input field is labeled "PASSWORD" and has a placeholder text "PASSWORD". Below the password field, there is a "SIGN UP" button.

Figure 12: Sign Up

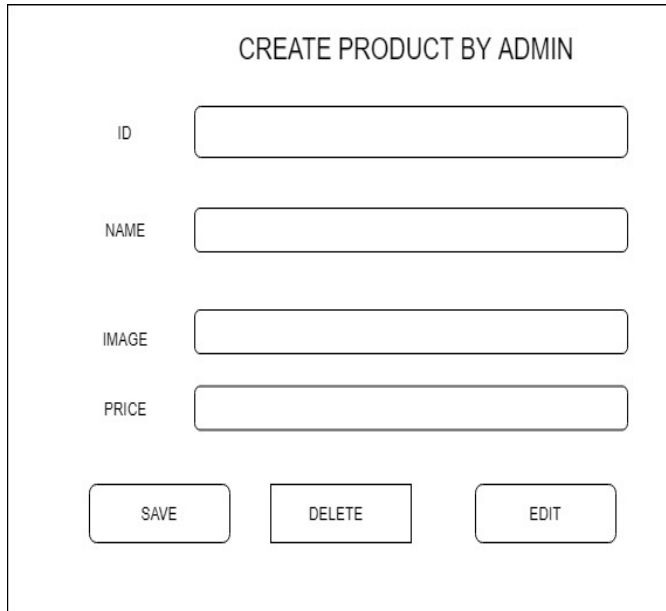


A mobile sign-up form layout. At the top, there is a header bar with the text "SIGN UP". Below the header, there are two input fields. The first input field is labeled "Email" and has a placeholder text "Email". The second input field is labeled "Password" and has a placeholder text "Password". Below the password field, there is a "sign up" button. At the bottom, there is a checkbox with the text "I agree to receive email updates from Lyst. By signing up, I confirm that I have read and accept Lyst's Terms & Conditions, Privacy Policy and Cookie Policy."

Figure 11: Sign up to mobile

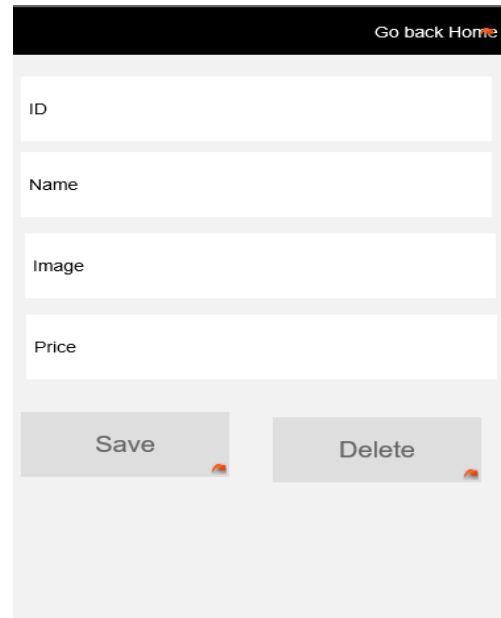
- Two ways go to sign up:
 - Press home/sign up
 - Home/ log in / signup
- Name: user name has number, text
- Password: just number
- Press sign up to create new account.
- 2 actions will occur: sign in to manager website or sign in to customers.

2.2.7. Admin page



The form is titled "CREATE PRODUCT BY ADMIN". It contains four input fields labeled "ID", "NAME", "IMAGE", and "PRICE". Below these fields are three buttons: "SAVE", "DELETE", and "EDIT".

Figure 14: Admin page



The mobile version of the admin page has a black header with a "Go back Home" link. The form fields are labeled "ID", "Name", "Image", and "Price". At the bottom, there are two buttons: "Save" and "Delete".

Figure 13: Amin page on mobile

- ID: text, id of product
- Name: Name of product
- Image: Image of product
- Price: Price of product
- Press save add product to shop
- Press Delete product available in shop, get data to database
- Press edit product available in shop, get data to database

II. CREATE WEBSITE CLOTHES

3. Interface

Based on design documents, we use font-end design languages such as css, html to design the interface. HTML is the framework for the website, css is used to beautify the framework to create a complete website.

In addition, I used bootstrap as a css library to beautify the site and easily edit the site for a more user-friendly interface.

However, in interface design, which relies heavily on art, the website may differ in its appearance and is not completely identical to the design document but retains its functions and meet the user's requirements.

Website applied some basic principles of web design. Websites when publishing meet the principles and standards that a basic website needs.

With website standards, we have applied and followed: Logo on the leftmost, Contacts at the bottom right, the navigation bar appears at the top of the page. With the best items, my proposal has been displayed on the homepage. My website has a search box in the title bar. In terms of standard tones, I use gray tones for the website to make the site more mysterious. In addition, websites apply coding standards and programming standards agreed by W3C. And make the website display properly in different browsers and platforms

My website can operate multiple platforms, windows and mac OS platforms can display full features, interface out of the screen. On mobile devices, the Website can operate and change the interface according to the interface of the mobile device.

The basic content of the website is displayed and used on all web browsers. The function of the website used on all web browsers. Particularly for IE, there is a need for additional support plugins to be able to display css applications to the site. With web font, I use Arial font, Helvetica is supported in most of these devices and is very user friendly. HTML scripts are applied by the class in the folder stylesheet.css and bootstrap.min.css in accordance with the code writing standard. Therefore, my website is easily edited by developers when accessing the source of the website.

In my website, every image and text is designed in the right size, and I want to let websites best display the interface. The size of the browser is suitable for most devices today. "Responsive web design" website is applicable.

Websites do not limit the accessibility of any normal person (eliminating the possibility of being blind, people with visual disabilities). Therefore, all users can see and use the site's functions.

Depending on the bandwidth, and the transmission speed of each individual. Websites have standard download speeds.

3.1. Home page

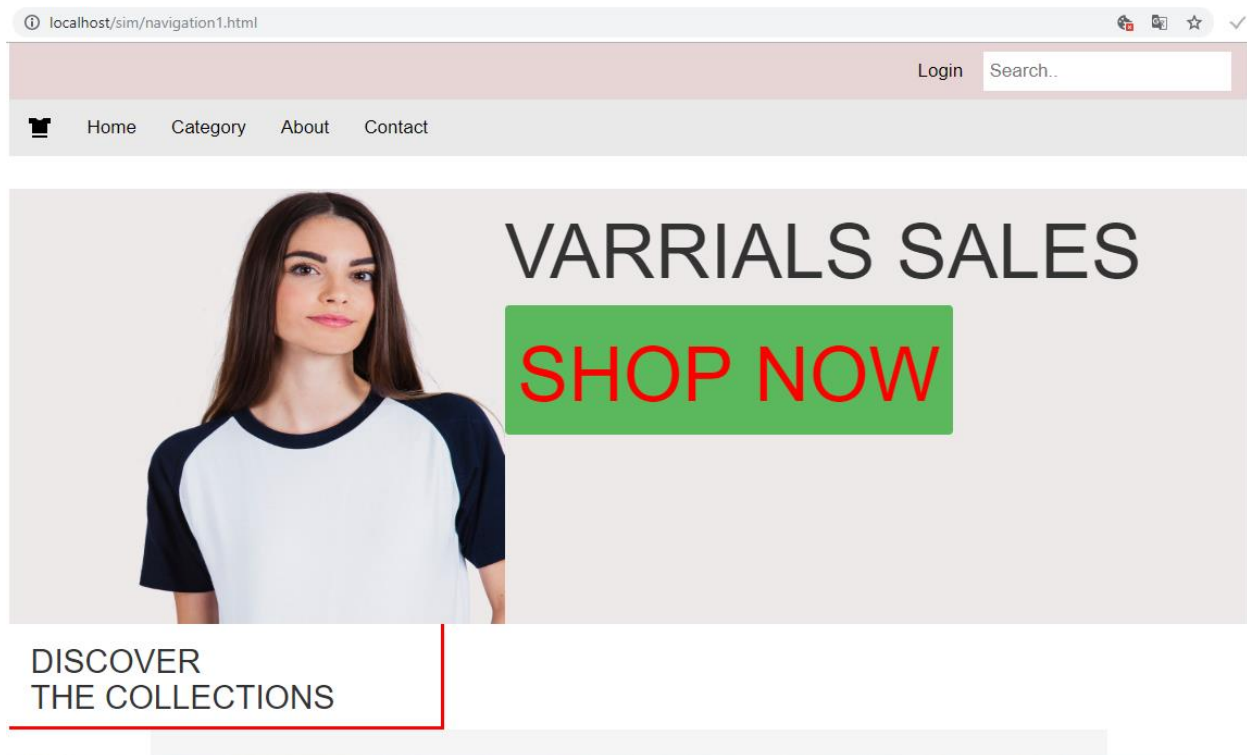


Figure 15:Interface home page

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <style>
5 body {
6   margin: 0;
7   font-family: Arial, Helvetica, sans-serif;
8   background-color: whitesmoke;
9 }
10 </style>
11 <link rel="stylesheet" href="stylesheet.css">
12 <link rel="stylesheet" href="bootstrap.min.css" >
13 </head>
14 <body class="container" >
15 <div class="topnav" style="background-color: #E7D5D5"><a style="margin-left: 820px " href="login.php">Login</a>
16 <input type="text" placeholder="Search.."></div>
17
18 <div class="topnav" >
19 <a class="navbar-brand" href=""></a>
20 <a href="navigation1.html">Home</a>
21 <a href="index.php">Category</a>
22 <a href="about.html">About</a>
23 <a href="contact.php">Contact</a>
24
```

Figure 16: Code of home page

Home has an eye-catching interface, images, colors that attract users to access. The website must have a layout, presenting sufficient and reasonable information, not too cumbersome and redundant, in accordance with the needs of users that businesses aim to.

Home is highly interactive. Website helps users to shop, Home displays basic contact information to help users quickly call if necessary. The main functions of the website are displayed at the top of the page, which can help users quickly use the login, sign up, category, about, contact.

3.2. Category and order details

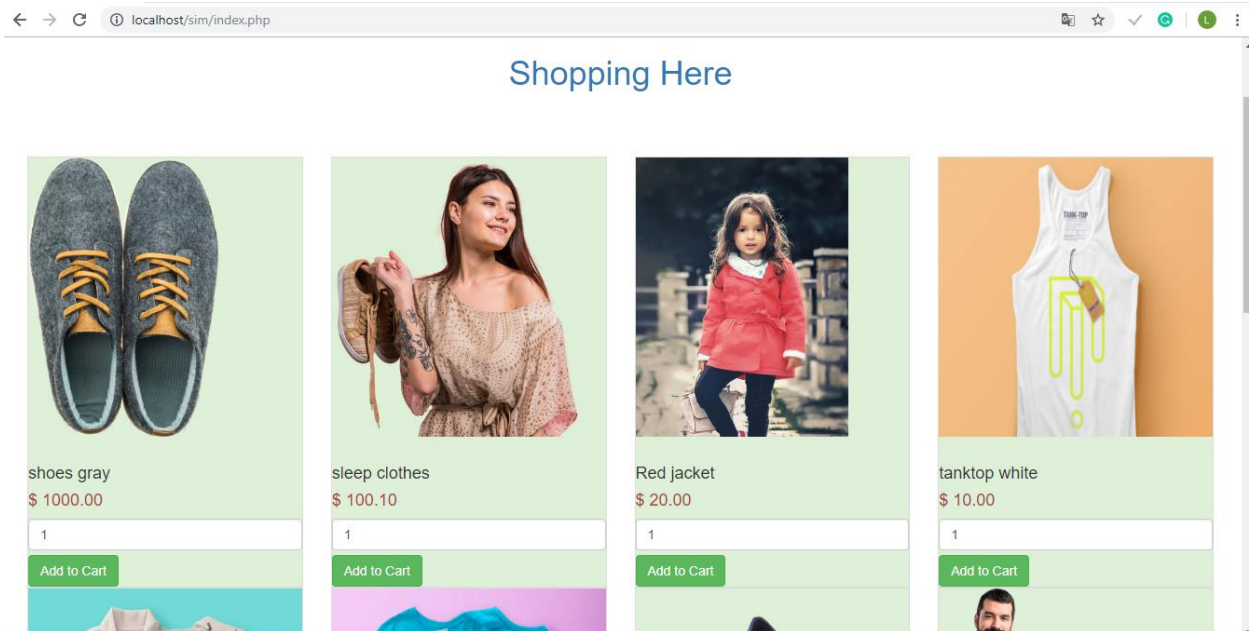
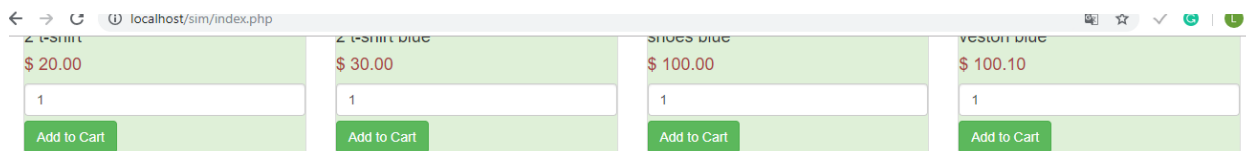


Figure 18: Interface Category



Order Details

| Item Name | Quantity | Price | Total | Action |
|----------------|----------|------------|-------------|--------|
| 2 t-shirt | 12 | \$ 20.00 | \$ 240.00 | Remove |
| 2 t-shirt blue | 1 | \$ 30.00 | \$ 30.00 | Remove |
| sleep clothes | 1 | \$ 100.10 | \$ 100.10 | Remove |
| Red jacket | 1 | \$ 20.00 | \$ 20.00 | Remove |
| tanktop white | 1 | \$ 10.00 | \$ 10.00 | Remove |
| shoes gray | 1 | \$ 1000.00 | \$ 1,000.00 | Remove |
| Total | | | \$ 1,400.10 | |

Order Now

Figure 17:Interface oder detail


```

<?php
session_start();
$connect = mysqli_connect("localhost", "root", "", "tbl_product");
//add to cart
if(isset($_POST["add_to_cart"]))//su dung phuong thuc post de gui thong tin toi gio hang, nó kiểm tra xem biến có tên "add_to_cart" được truyền cho tập lệnh
sẽ đánh giá một biến khác được gọi shopping_cart.
{
    if(isset($_SESSION["shopping_cart"]))//xac dinh 1 phiên được khai báo
    {
        $item_array_id = array_column($_SESSION["shopping_cart"], "item_id");// neu bien truyen vao dung thi
        //no se thuc thi dong lenh if
        if(!in_array($_GET["id"], $item_array_id))//ước sử dụng để kiểm tra nếu giá trị tồn tại trong mảng bằng hàm in_array(array, value to check). Vì có
        KHÔNG logic, nên hành vi thực sẽ kiểm tra xem các giá trị không tồn tại trong mảng.Nếu điều này xảy ra, thì tập lệnh sẽ kích hoạt một cửa sổ cảnh b
        {
            $count = count($_SESSION["shopping_cart"]);
            $item_array = array(
                'item_id'      => $_GET["id"],
                'item_name'    => $_POST["hidden_name"],
                'item_price'   => $_POST["hidden_price"],
                'item_quantity' => $_POST["quantity"]
            );
            $_SESSION["shopping_cart"][$count] = $item_array;
        }
        else
        {
            echo '<script>alert("Item Already Added")</script>';
        }
    }
    else
    {
        $item_array = array(
            'item_id'      => $_GET["id"],
            'item_name'    => $_POST["hidden_name"],
            'item_price'   => $_POST["hidden_price"],
            'item_quantity' => $_POST["quantity"]
        );
        $_SESSION["shopping_cart"][0] = $item_array;
    }
}
}

```

Figure 19: Code of category

Access to the category, store includes products with prices, quantities and product status on the system. Can choose and order goods right in the store.

3.3. About

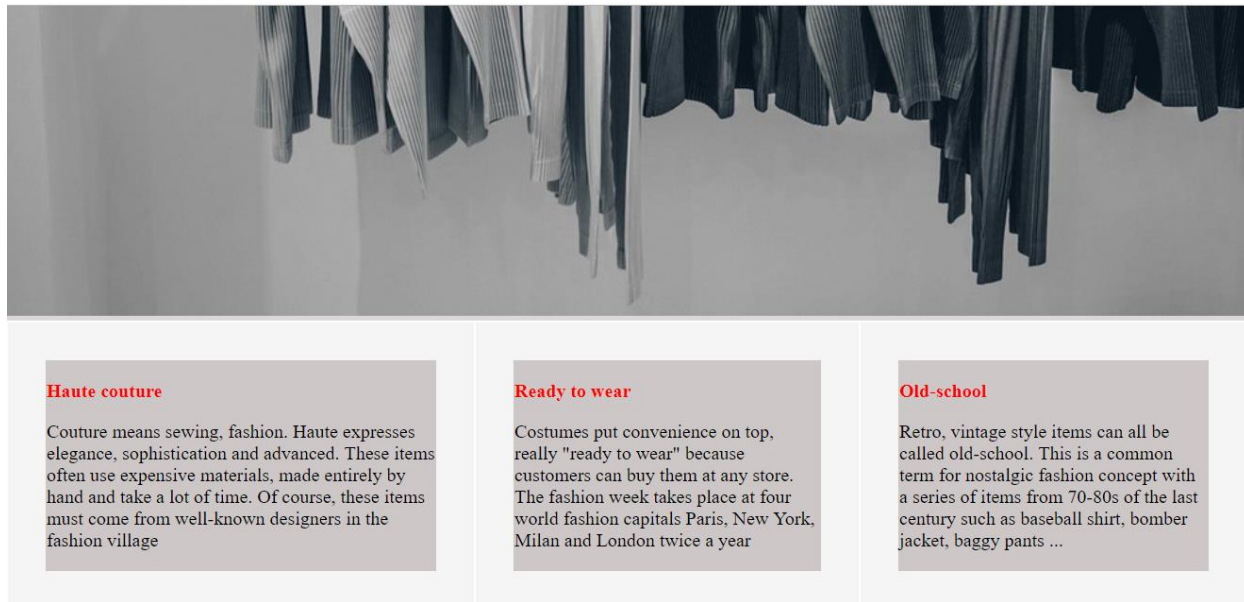


Figure 20: Interface About

```
<!DOCTYPE html>
<html>
<head>
  <title>about</title>
  <link rel="stylesheet" href="stylesheet.css">
</head>
<body>
  <div class="topnav" style="background-color: #E7D5D5"><a style="margin-left: 1000px" href="login.php">Login</a>
  <input type="text" placeholder="Search..."></div>

  <div class="topnav">
    <a class="active" href="navigation1.html">Home</a>
    <a href="http://localhost/sim/index.php">Category</a>
    <a href="about.html">About</a>
    <a href="contact.php">Contact</a>
  </div>

  <div class="image_about">
    
  </div>

  <div>
    <center><table border="0">
      <tr>
        <td><p style="color: red;
        font-weight: bold;">Haute couture</p>
        <p> Couture means sewing, fashion. Haute expresses elegance, sophistication and advanced. These items often use expensive materials, made entirely by hand and take a lot of
        time. Of course, these items must come from well-known designers in the fashion villages</p>
        </td>
        <td><p style="color: red;
```

Figure 21:Code of about

About to shop displays the fashion styles that the shop aims to. As well as providing fashion knowledge to help customers choose the product they want.

3.4. Contact

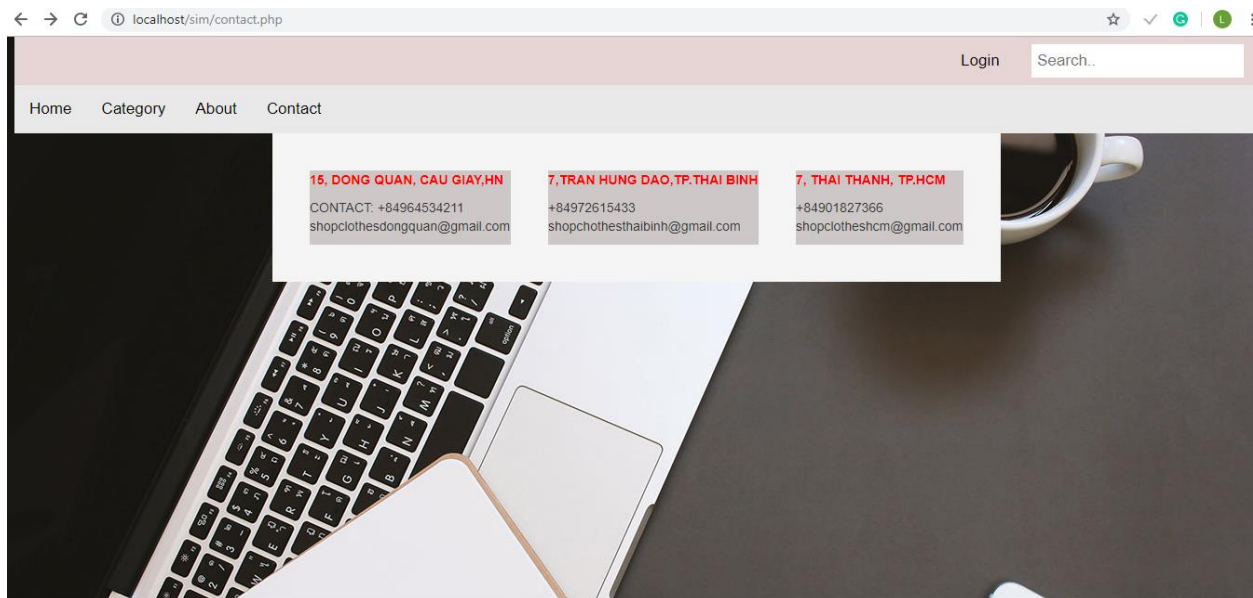


Figure 22: Interface Contact

```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="bootstrap.min.css" >
  <link rel="stylesheet" href="stylesheet.css">
  <style>
body {
  margin: 0;
  font-family: Arial, Helvetica, sans-serif;
  background-color: whitesmoke;
}
</style>
</head>
<body class="container" background="images/bg-01.jpg">
<div class="topnav" style="background-color: #E7D5D5"><a style="margin-left: 100px " href="login.php">Login</a>
<input type="text" placeholder="Search.."></div>

  <div class="topnav">
    <a class="active" href="navigation1.html">Home</a>
    <a href="http://localhost/sim/index.php">Category</a>
    <a href="about.html">About</a>
    <a href="contact.php">Contact</a>
  </div>

<center ><table border="0">
  <tr>
    <td ><p style="color: red;
      font-weight: bold;">15, DONG QUAN, CAU GIAY,HN</p>
      <p>CONTACT: +84964534211<br>
      shopclothesdongquan@gmail.com
    </p>
  </td>
  <td ><p style="color: red;
      font-weight: bold;">7,TRAN HUNG DAO,TP.THAI BINH</p>
      <p>+84972615433
      shopchothesthaibinh@gmail.com
    </p>
  </td>
  <td ><p style="color: red;
      font-weight: bold;">7, THAI THANH, TP.HCM</p>
      <p>+84901827366
      shopclotheshcm@gmail.com
    </p>
  </td>
</tr>
</table>
</center>
```

Figure 23: Code of contact

In the contact, Display the shop's detailed address, shop details: phone number, founder...

3.5. Login

ACCOUNT LOGIN

USERNAME

trungvlgbh17254

PASSWORD

.....

Login

Back to Home

Figure 24: Interface Login

```
<!DOCTYPE html>
<html lang="en">
<head>

    <link rel="icon" type="image/png" href="images/icons/favicon.ico"/>

    <link rel="stylesheet" type="text/css" href="bootstrap.min.css">

    <link rel="stylesheet" type="text/css" href="util.css">
    <link rel="stylesheet" type="text/css" href="main.css">

</head>
<body>

    <div class="limiter">
        <div class="container-login100">
            <div>
                <form class="login100-form validate-form flex-sb flex-w" id="login-form" method="post" action="login_php.php">
                    <span class="login100-form-title p-b-32">
                        Account Login
                    </span>


                    <span class="txt1 p-b-11" for="user_id">
                        Username
                    </span>
                    <div class="wrap-input100 validate-input m-b-36" data-validate = "Username is required">
                        <input class="input100" type="text" name="user_id" id="user_id">
                        <span class="focus-input100"></span>
                    </div>

                    <span class="txt1 p-b-11" for="user_pass">
                        Password
                    </span>
                    <div class="wrap-input100 validate-input m-b-12" data-validate = "Password is required">
                        <span class="btn-show-pass">
                            <i class="fa fa-eye"></i>
                        </span>
                        <input class="input100" type="password" name="user_pass" id="user_pass">
                        <span class="focus-input100"></span>
                    </div>
                </form>
            </div>
        </div>
    </div>
```

Figure 25:Code of login

Simple login screen easy to use, clearly write boxes to help users easily interact with the website. All account selects in database. When summit successful display move to admin.

3.6. Admin

[Home](#)[Category](#)[About](#)[Contact](#)

Create Products by Admin

Id

Name

Image

Price

Save

Delete

Figure 26: Interface Admin products

```
<?php include('DB.php'); ?>
<?php
    session_start();
    $db = mysqli_connect('localhost', 'root', '', 'tbl_product');

    // initialize variables
    $id = "";
    $name = "";
    $image = "";
    $price = "";

    if (isset($_POST['save'])) {
        $id = $_POST['id'];
        $name = $_POST['name'];
        $image = $_POST['image'];
        $price = $_POST['price'];

        mysqli_query($db, "INSERT INTO tbl_product (id,name, image,price) VALUES ('$id', '$name','$image','$price')");
        $_SESSION['message'] = "Done saved";
        header('location: addproduct.php');
    }

    ?>
<?php
//delete
if (isset($_POST['del'])) {
    $id = $_GET['id'];
    $sql = "DELETE FROM `tbl_product` WHERE `tbl_product`.`id` = $id";
    $_SESSION['message'] = "deleted!";
    header('location: addproduct.php');
}

?>
```

Figure 27: Code of admin

With text boxes and displaying buttons to add convenient and easy product editing to the admin, can improve the working spirit when the admin works.

4. Function

Features of the website are programmed in php and MySQL, java scripts. The website has all the basic functions of an online sales website such as: add to cart, login / log out, add, edit, delete product, show list of category with data get to database MySQL.

Here are a few typical features of my website

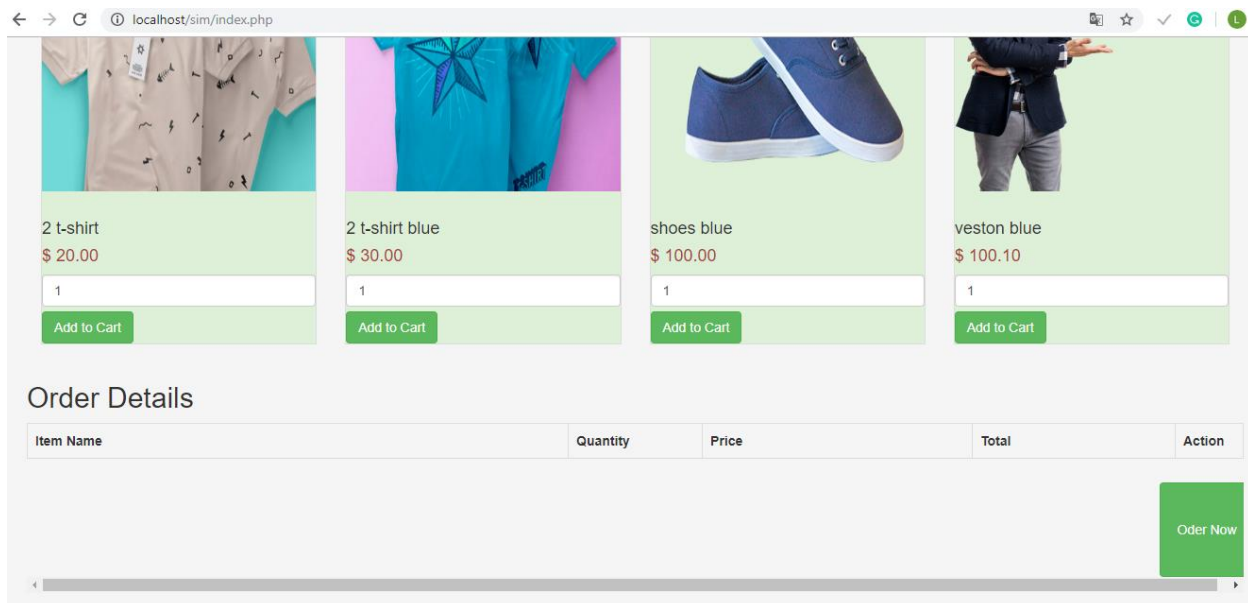


Figure 28: Category function

- The function helps users to see detailed products, can use add to cart and continue shopping. Customers can see their detailed order and price right below the store.
- In addition, customers also have an order now feature that helps order conveniently.

LOGIN/LOGOUT: When entering data into the account box and password and pressing the submit button, the website will check the data on the database, if the correct results will be accessible to the admin page and the warehouse itself.

Admin product: Features add and delete products in the store. Helping authorized administrators easy to use, no need for IT can still be used and usable for many people.

CREATE PRODUCTS BY ADMIN

Id

Name

Image

Price

Save

Delete

Figure 29: Admin function

III. Test Plan UX, UI

5. Test plan

Overview

Application Name *web clothes and sale online*

Description *asm2*

| Target Test Platform | Browser /App | End Version | Physical Devices | Virtual Devices /Emulators |
|----------------------|--------------|-------------|------------------|----------------------------|
| Desktop | | | | |
| Mac O/S | Safari | | macbookair 2018 | |
| Windows O/S | Chrome | | dell 3467 | |
| Other | | | | |
| Mobile | | | | |
| Android | Default | | samsung note 8 | |
| iOS | Safari | | iphone 6 | |
| Other | | | | |

| | | | | |
|------------------------------------|------------------------|-------------------|---------------------|--------------------|
| Testing Scope | In Scope | | Out of Scope | |
| | Visual Design | x | | |
| | Functionality | x | | |
| | Performance | x | | |
| | Security | x | | |
| | Usability | x | | |
| | Accessibility | x | | |
| | Compliance | x | | |
| Target User Personas | In Scope | | Out of Scope | |
| | | x | | |
| | | x | | |
| Test Resources and Strategy | | | | |
| Scripted Testing | Target | % Complete | % Remaining | On Schedule |
| | Test Start Date | 4/30/2019 | 100% | y |
| | Test End Date | 5/1/2019 | 100% | y |
| | Number of Testers | 2 | | |
| | Hours per Day | 5 | 100% | y |
| | Total Testing Hours | 10 | 100% | y |
| | Scripts Passed | 484 | 99% | y |
| | Scripts Failed/Blocked | unknown | 30% | y |
| | Critical | Medium | Low | Total |
| | Defects Identified | | x | Low |
| User Experience Testing | Target | % Complete | % Remaining | On Schedule |
| | Test Start Date | 5/1/2019 | 100% | y |
| | Test End Date | 5/5/2019 | 100% | y |
| | Testers per Persona | 500 | 30% | n |
| | Critical | Medium | Low | Total |
| | Defects Identified | x | | Medium |

6. Test case

| S.no | Action | Inputs | Expected output | Actual Output | Test result | Comments |
|------|--------|--------|-----------------|---------------|-------------|----------|
|------|--------|--------|-----------------|---------------|-------------|----------|

| | | | | | | |
|---|--|--|--|--|------|---|
| 1 | Login | Username: trung Password: trung123 | Go to admin product | Go to admin product | pass | Login successful |
| 2 | Login false username or password when enter value | Username: trung1 Password: trung123- | Show display the messenger box dialog: incorrect account login or password and comeback login page | Show display the messenger box dialog: incorrect account login or password and comeback login page | pass | Login false |
| 3 | Add product to cart | Press add to cart | Add product to oder details | Add product to oder details and show infomation product already oder | pass | Oder successful |
| 4 | Add item available | Press add to cart and item already added | Item already added | Item already added | pass | Back to category and oder different item |
| 5 | Shop now | Click to shopnow | Move to category | Move to category | pass | Successful redirection |
| 6 | Oder now | Click to oder now | Move to odernow and get infomation and post to database | Just odernow by email and contact and order directly | fail | Need add get data customer and post to database for easy for delivery |
| 7 | Go to contact page | Click contact in navigation | Go to contact page and get information | Show contact, email, address | Pass | Need add get informaiton customers and post to |

| | | | | | | |
|----|------------------|---------------------------|--|--------------------|------|---------------------------|
| | | | customer and show information to shop includes contact, email, address | | | database for easy manager |
| 8 | go to about page | Click about in navigation | Show about to shop | Show about to shop | pass | successful |
| 9 | Search | Luxury | Show product luxury | Not successful | fail | Need check search |
| 10 | Home | Go back home page | Go back home page | Go back home page | pass | successful |