

ASSIGNMENT 2 FRONT SHEET

Qualification	BTEC Level 5 HND Diploma in Computing		
Unit number and title	10: Website Design & Development		
Submission date	25/4/2021	Date Received 1st submission	
Re-submission Date		Date Received 2nd submission	
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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	Quang

Grading grid

P5	P6	P7	M4	M5	D2	D3

 **Summative Feedback:**

 **Resubmission Feedback:**

Grade:

Assessor Signature:

Date:

Signature & Date:

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Create design document (P5)

1. Client and user requirement analysis

The first step in creating an online shopping website is to research the market and interview the user base to create a list of functions needed to put on the website.

End-user features that facilitate the enjoyment of Internet shopping might include the following:

- When accessing the website, users can create themselves an account to log in.
- Customers can view a list of all available items through the website
- Customers can buy and order goods
- Users should be able to select items of interest and add them to their shopping carts for future purchases.
- All selected items should be shipped to the user following purchase.
- Large numbers of users should be able to use the application simultaneously.

2. Use case diagram

A usage case diagram is a visual representation of the details of a device and its users. It is usually depicted as a graphic representation of interactions between various elements in a structure. Use case diagrams describe the events that occur in a system and how they flow, but they do not describe how those events are executed.

A use case is a system research technique for identifying, clarifying, and organizing system specifications. The expression "machine" refers to something that is being created or run, such as a Web site for mail-order package sales and operation. In UML (Unified Modeling Language), a basic notation for modeling real-world structures and processes, use case diagrams are used. A usage case diagram has a range of advantages over other types of diagrams, such as flowcharts. (Contributor, n.d.)

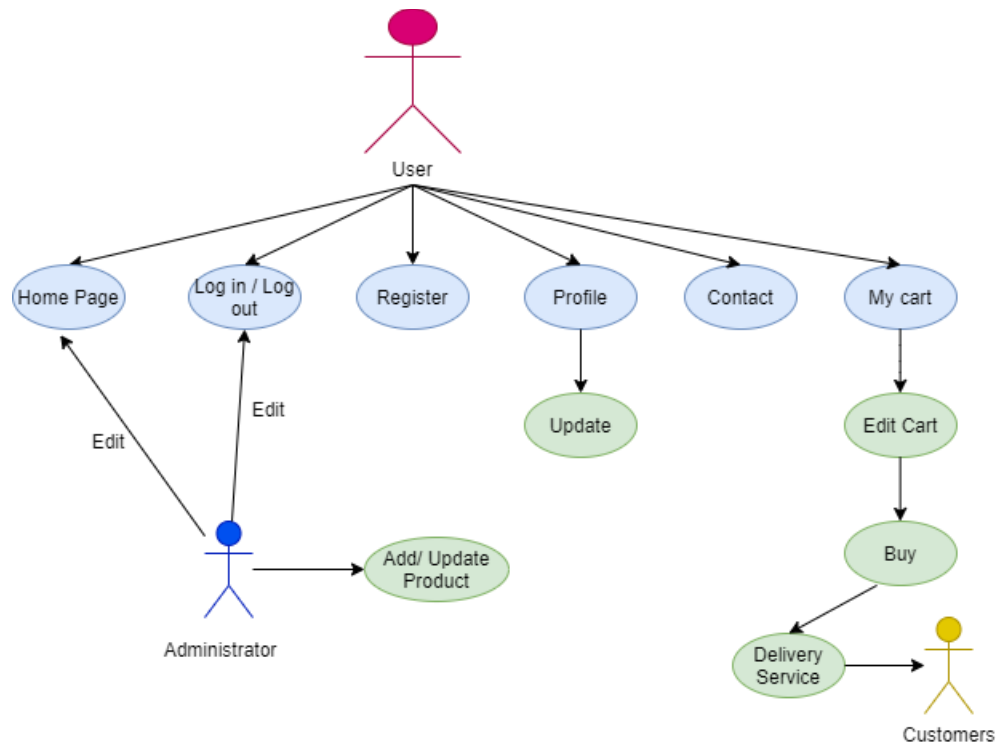


Figure 1: Use case diagram

3. Data base Diagram

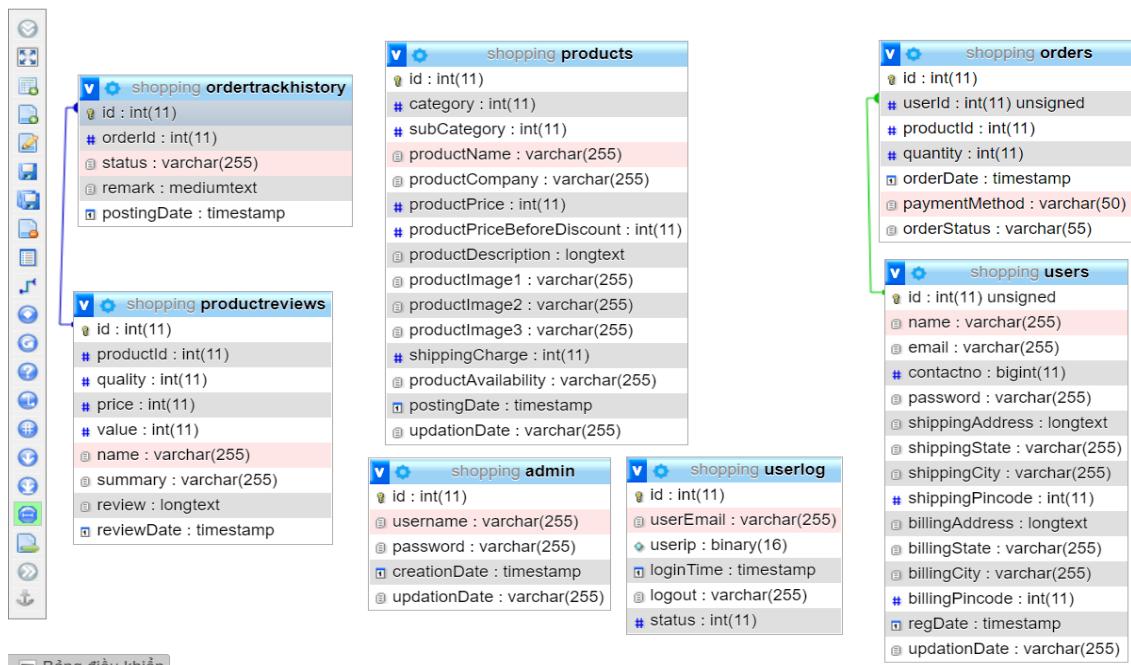


Figure 2: ERD

4. Site Map

A sitemap is a model for your website that assists search engines in finding, crawling, and indexing all of your content. Sitemaps also inform search engines about the most popular pages on your website. (Shinobi, n.d.)

With my sales site on the index page, it will navigate to sites like Sign Up, Login, Contact, Profile, My Cart.

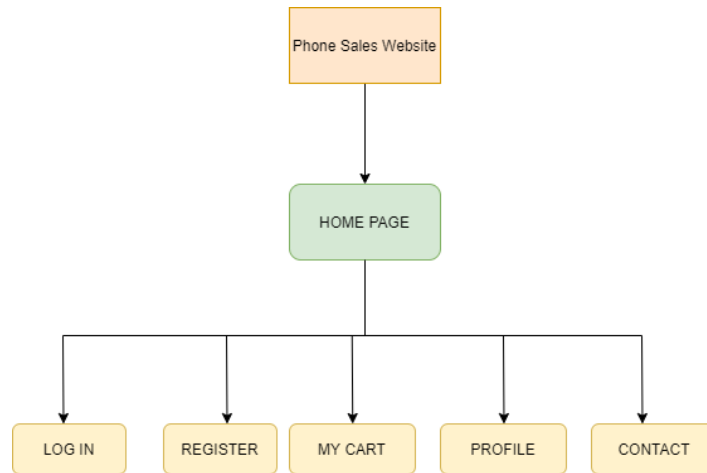


Figure 3: Site Map

5. Wire frames and specific explanation

A wireframe is a diagram or model that can assist you, your programmers, and designers in thinking about and communicating about the layout of the software or website you're developing.

The wireframe's aim is to provide an early abstract understanding of a project site in order to obtain approval from stakeholders and the project team before the creative process begins. A wireframe can also be used to construct global navigation and ensure that the site's terms and structure are appropriate for tourists. (interaction-design, n.d.)

5.1. Home Page

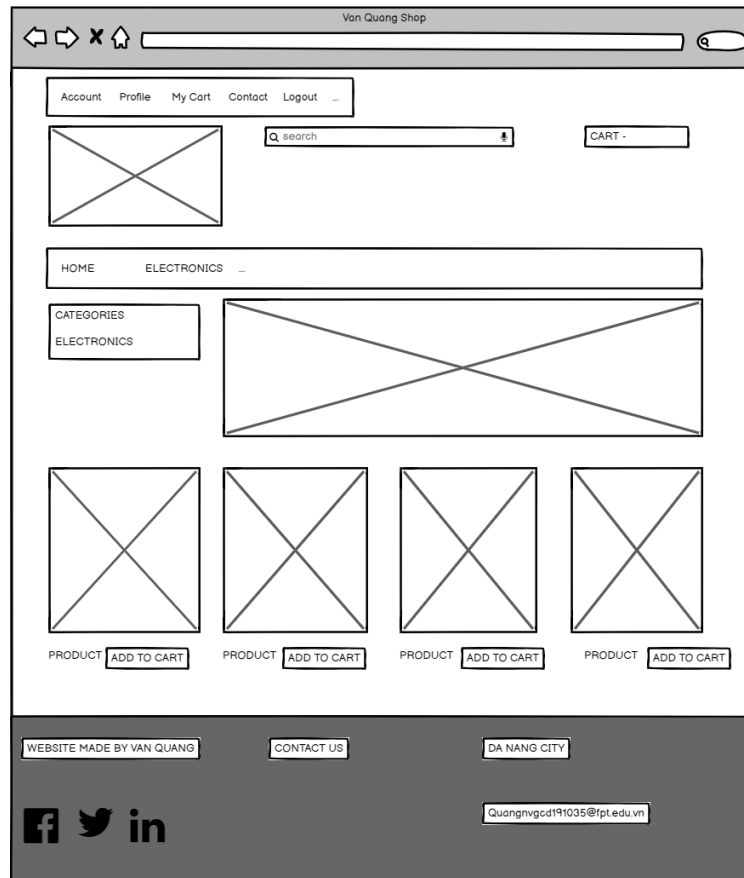
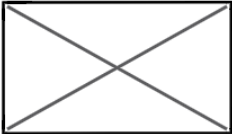


Figure 4: Home Page

5.2. Log In and Creat A New Account Page

Van Quang Shop

Account Profile My Cart Contact Logout ...



CART -

HOME ELECTRONICS ...

Login

Hello, Welcome to your account.

Email Address

Password

Forgot your Password?

CREATE A NEW ACCOUNT

Create your own Shopping account.

Full Name

Email Address

Contact No

Password

Confirm Password

WEBSITE MADE BY VAN QUANG CONTACT US DA NANG CITY




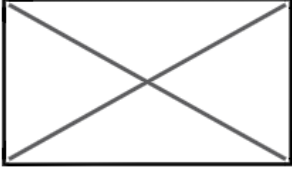




Figure 5: Log in and Register Page

5.3. Profile Page

Van Quang Shop

Account Profile My Cart Contact Logout ...



CART -

HOME ELECTRONICS ...

1 : MY PROFILE

Personal Info

NAME

Email Address




Contact Us

UPDATE

WEBSITE MADE BY VAN QUANG

CONTACT US

DA NANG CITY

Quangnvgcd191035@fpt.edu.vn

Figure 6: Profile Page

5.4. Cart Page

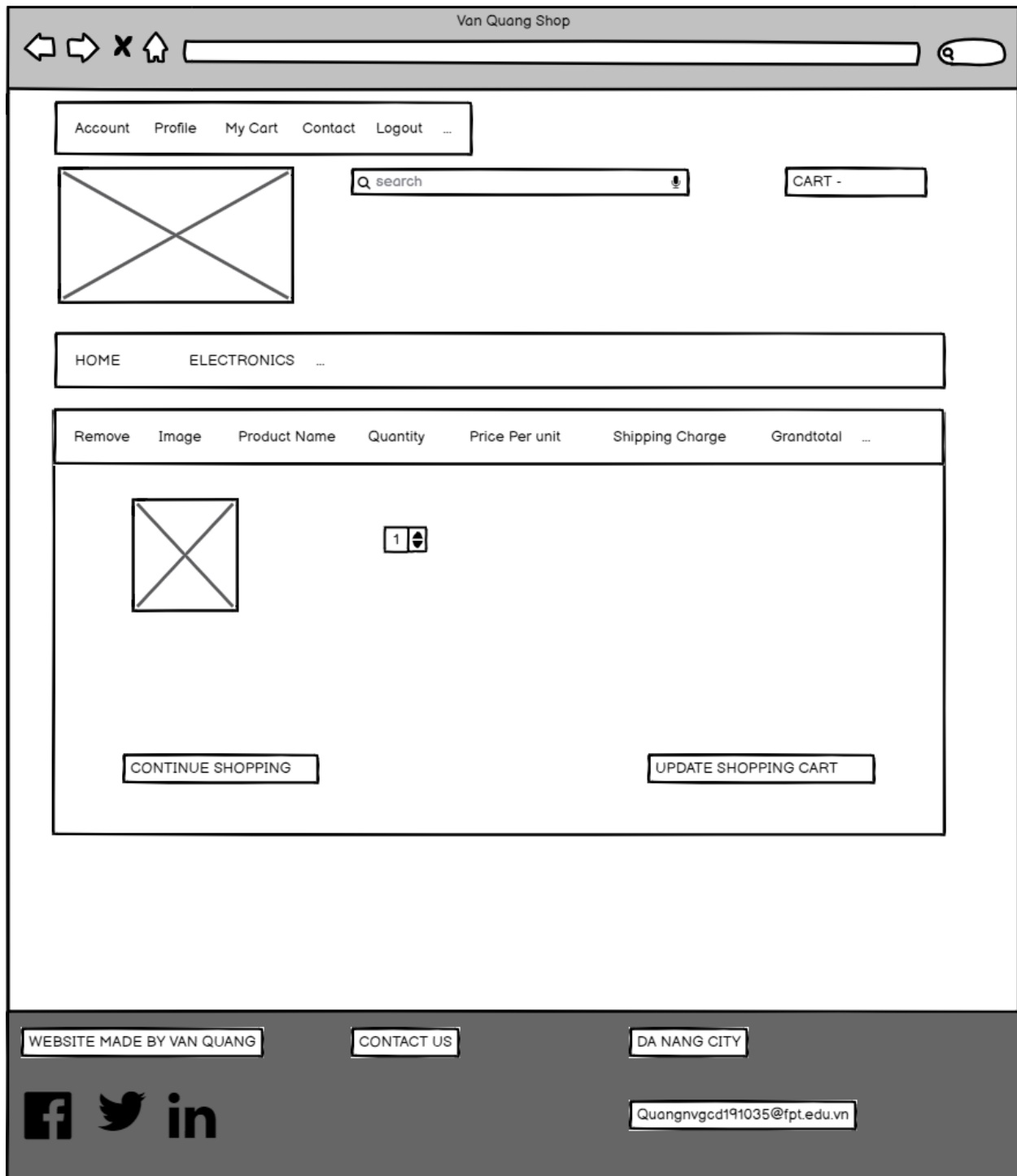


Figure 7: Cart Page

5.5. Contact Page

Van Quang Shop

Account

Profile

My Cart

Contact

Logout

...

Q search

CART -

HOME

ELECTRONICS

...

YOUR NAME

ENTER YOUR NAME

EMAIL

ENTER YOUR EMAIL

PHONE NUMBER

ENTER YOUR PHONE NUMBER

MESSAGE

WRITE SOMETHING

SEND

MAP

WEBSITE MADE BY VAN QUANG

CONTACT US

DA NANG CITY

f

in

Quangnvgcd191035@fpt.edu.vn

Figure 8: Contact Page

(P6) USE YOUR DESIGN DOCUMENT WITH APPROPRIATE PRINCIPLES, STANDARDS AND GUIDELINES TO PRODUCE A BRANDED, MULTIPAGE WEBSITE SUPPORTED WITH REALISTIC CONTENT

1. Home Page



Figure 9: Logo of website

- ✓ **Explain :** This is the first and main interface of the website when you log in. A place where users can view all information of the website through images, related sections.

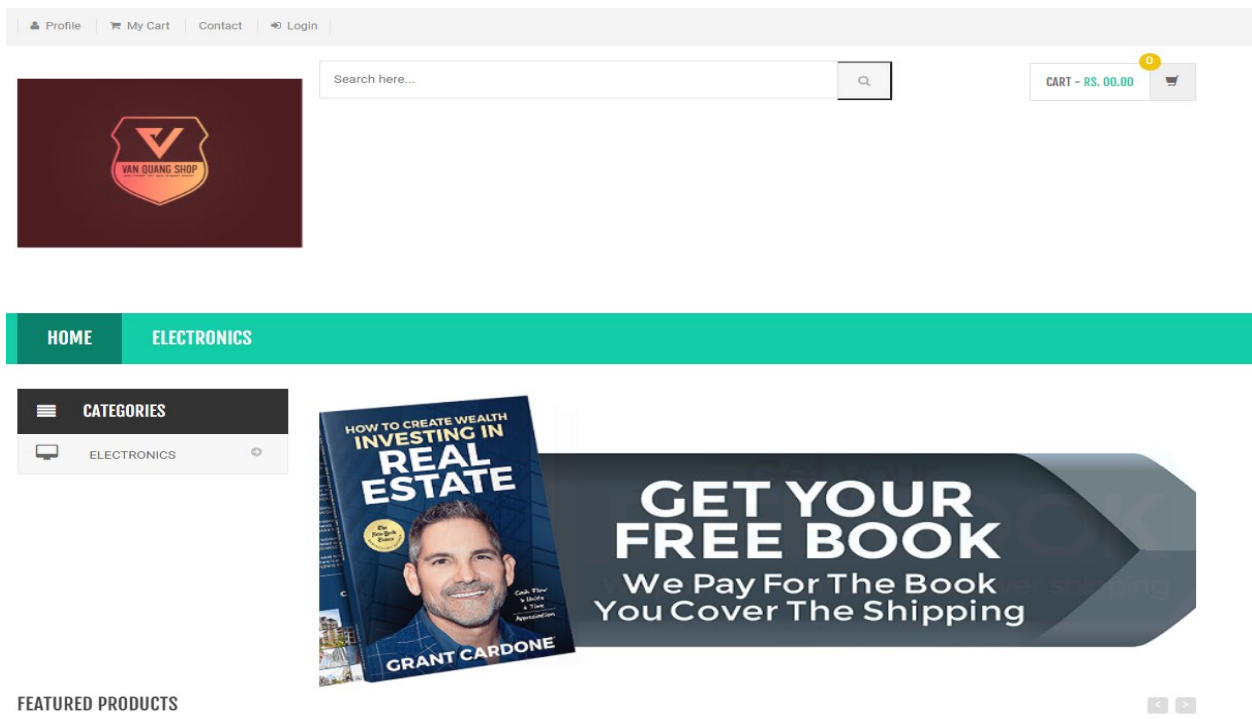


Figure 10: Display home page 1

FEATURED PRODUCTS



Micromax 81cm (32) HD Ready LED TV
(32T6175MHD, 2 x HDMI, 2 x USB)

★★★★☆

Rs.139900 Rs.0

ADD TO CART



Apple iPhone 6 (Silver, 16 GB)

★★★★☆

Rs.36990 Rs.0

ADD TO CART



Lenovo K6 Power (Silver, 32 GB)

★★★★☆

Rs.9999 Rs.0

ADD TO CART



Lenovo Vibe K5 Note (Gold, 32 GB)

★★★★☆

Rs.11999 Rs.0

ADD TO CART

SMART PHONES



Apple iPhone 6 (Silver, 16 GB)

★★★★☆

Rs. 36990 Rs.0

ADD TO CART



Apple iPhone 6 (Silver, 16 GB)

★★★★☆

Rs. 36990 Rs.0

ADD TO CART

OUR BRANDS



AOC

BAJAJ

BlackBerry

Canon

COMPAQ

DAIKIN

Figure 11: Display home page 2

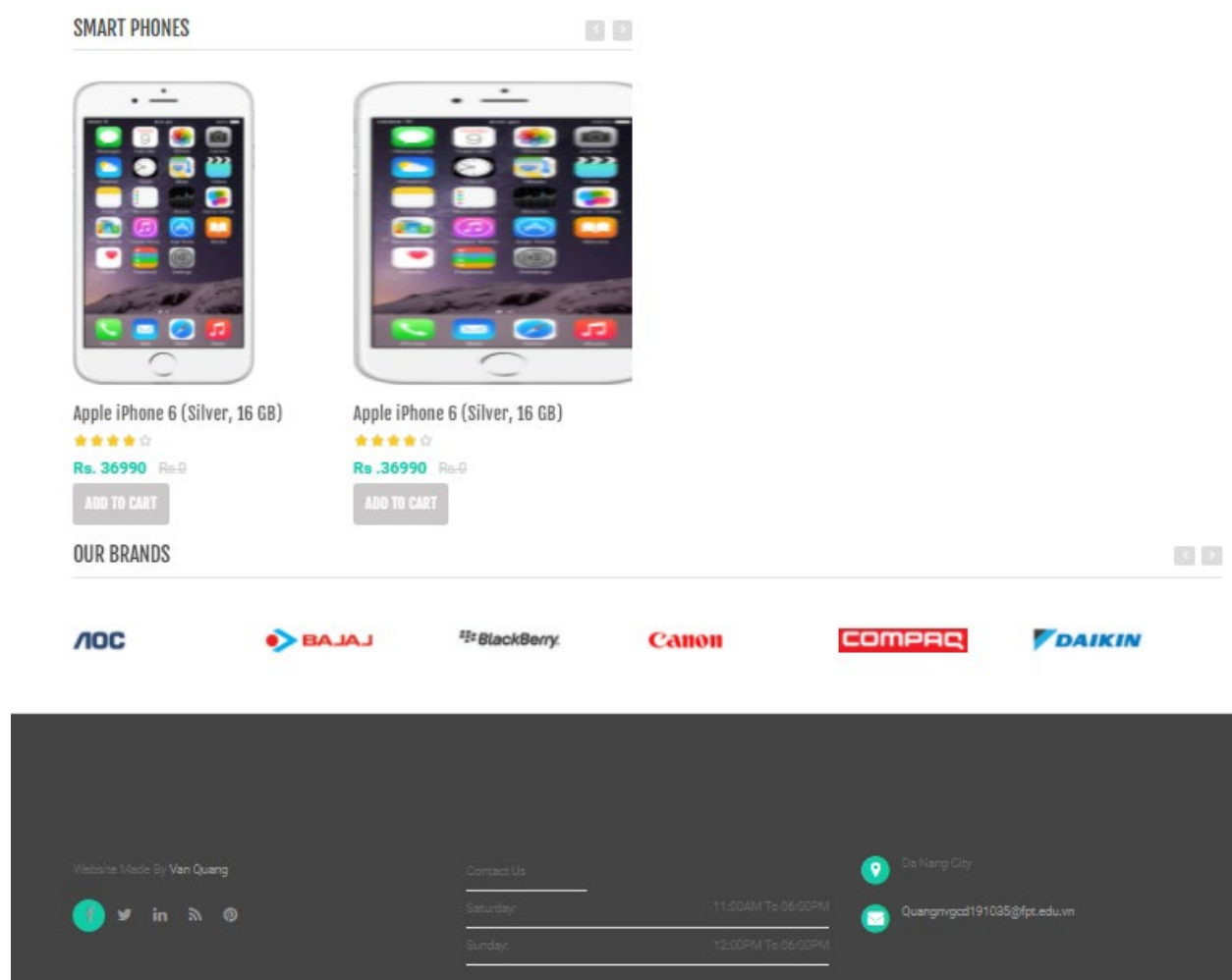


Figure 12: Display home page 3

```

?>
<!DOCTYPE html>
<html lang="en">
<head>
    <!-- Meta -->
    <meta charset="utf-8">
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=no">
    <meta name="description" content="">
    <meta name="author" content="">
    <meta name="keywords" content="MediaCenter, Template, eCommerce">
    <meta name="robots" content="all">

    <title>Van Quang Shop</title>

    <!-- Bootstrap Core CSS -->
    <link rel="stylesheet" href="assets/css/bootstrap.min.css">

    <!-- Customizable CSS -->
    <link rel="stylesheet" href="assets/css/main.css">
    <link rel="stylesheet" href="assets/css/green.css">
    <link rel="stylesheet" href="assets/css/owl.carousel.css">
    <link rel="stylesheet" href="assets/css/owl.transitions.css">
    <!--<link rel="stylesheet" href="assets/css/owl.theme.css">-->
    <link href="assets/css/lightbox.css" rel="stylesheet">
    <link rel="stylesheet" href="assets/css/animate.min.css">
    <link rel="stylesheet" href="assets/css/rateit.css">
    <link rel="stylesheet" href="assets/css/bootstrap-select.min.css">

    <!-- Demo Purpose Only. Should be removed in production -->
    <link rel="stylesheet" href="assets/css/config.css">

    <link href="assets/css/green.css" rel="alternate stylesheet" title="Green color">
    <link href="assets/css/blue.css" rel="alternate stylesheet" title="Blue color">
    <link href="assets/css/red.css" rel="alternate stylesheet" title="Red color">
    <link href="assets/css/orange.css" rel="alternate stylesheet" title="Orange color">
    <link href="assets/css/dark-green.css" rel="alternate stylesheet" title="Darkgreen color">
    <link rel="stylesheet" href="assets/css/font-awesome.min.css">
    <link href='http://fonts.googleapis.com/css?family=Roboto:300,400,500,700' rel='stylesheet' type='text/css'>

    <!-- Favicon -->
    <link rel="shortcut icon" href="assets/images/favicon.ico">

</head>
<body class="cnt-home">

    <!-- ===== HEADER ===== -->
<header class="header-style-1">
<?php include('includes/top-header.php');?>
<?php include('includes/main-header.php');?>
<?php include('includes/menu-bar.php');?>
</header>

<!-- ===== HEADER : END ===== -->

```

Figure 13: Code of home page

2. Log in Page

- ✓ **Explain:** This function allows users to log in to the website with their username and password when they want to place an order through the store's website. After successful login, they can buy the product.

SIGN IN

Hello, Welcome to your account.

Email Address *

quangnvgcd191035@fpt.edu.vn

Password *

...

[Forgot your Password?](#)

LOGIN

Figure 14: Display Log in page

```
<!-- Sign-in -->
<div class="col-md-6 col-sm-6 sign-in">
  <h4 class="">sign in</h4>
  <p class="">Hello, Welcome to your account.</p>
  <form class="register-form outer-top-xs" method="post">
    <span style="color:red;" >
<?php
echo htmlentities($_SESSION['errmsg']);
?>
<?php
echo htmlentities($_SESSION['errmsg']="");
?>
    </span>
    <div class="form-group">
      <label class="info-title" for="exampleInputEmail">Email Address <span>*</span></label>
      <input type="email" name="email" class="form-control unicast-form-control text-input" id="exampleInputEmail" >
    </div>
    <div class="form-group">
      <label class="info-title" for="exampleInputPassword1">Password <span>*</span></label>
      <input type="password" name="password" class="form-control unicast-form-control text-input" id="exampleInputPassword1" >
    </div>
    <div class="radio outer-xs">
      <a href="forgot-password.php" class="forgot-password pull-right">Forgot your Password?</a>
    </div>
    <button type="submit" class="btn-upper btn btn-primary checkout-page-button" name="login">Login</button>
  </form>
</div>
<!-- Sign-in -->
```

Figure 15: Code of login page

3. Register Page

- ✓ **Explain:** Customers can use this feature to log into their store's membership account and purchase online at the store's website. Customers fill out the following fields: account, password, full name, phone number, email address, etc. and then complete the registration process.

CREATE A NEW ACCOUNT

Create your own Shopping account.

Full Name *

Email Address *

Contact No. *

Password *

Confirm Password *

SIGN UP

Figure 16: Display register page

```

<!-- Create a new account -->


#### Create a new account</h4> Create your own Shopping account.</p> <form class="register-form outer-top-xs" role="form" method="post" name="register" onSubmit="return valid();"> <label class="info-title" for="fullname">Full Name <span>*</span></label> <input type="text" class="form-control unicast-form-control text-input" id="fullname" name="fullname" required="required"> </div> <div class="form-group"> <label class="info-title" for="exampleInputEmail2">Email Address <span>*</span></label> <input type="email" class="form-control unicast-form-control text-input" id="email" onBlur="userAvailability()" name="emailid" required > <span id="user-availability-status1" style="font-size:12px;"></span> </div> <label class="info-title" for="contactno">Contact No. <span>*</span></label> <input type="text" class="form-control unicast-form-control text-input" id="contactno" name="contactno" maxlength="10" required > </div> <label class="info-title" for="password">Password. <span>*</span></label> <input type="password" class="form-control unicast-form-control text-input" id="password" name="password" required > </div> <label class="info-title" for="confirmpassword">Confirm Password. <span>*</span></label> <input type="password" class="form-control unicast-form-control text-input" id="confirmpassword" name="confirmpassword" required > </div> <button type="submit" name="submit" class="btn-upper btn btn-primary checkout-page-button" id="submit">Sign Up</button> </form> <span class="checkout-subtitle outer-top-xs">Sign Up Today And You'll Be Able To : </span> <div class="checkbox"> <label class="checkbox"> Speed your way through the checkout. </label> <label class="checkbox"> Track your orders easily. </label> <label class="checkbox"> Keep a record of all your purchases. </label> </div> </div> <!-- Create a new account --> </div><!-- /.row -->


```

Figure 17: Code of register page

4. Profile Page

- ✓ **Explain:** Customer can update his account information: name, phone number and email address.

1 MY PROFILE

Personal info

Name*

Nguyen Van Quang

Email Address *

quangnvgcd191035@fpt.edu.vn

Contact Us *

1213

UPDATE

Figure 18: Display profile page

```

<!-- panel-heading -->
<div class="panel-heading">
  <h4 class="unicase-checkout-title">
    <a data-toggle="collapse" class="" data-parent="#accordion" href="#collapseOne">
      <span>1</span>My Profile
    </a>
  </h4>
</div>
<!-- panel-heading -->
<div id="collapseOne" class="panel-collapse collapse in">
  <!-- panel-body -->
  <div class="panel-body">
    <div class="row">
<h4>Personal info</h4>
      <div class="col-md-12 col-sm-12 already-registered-login">
<?php
$query=mysqli_query($con,"select * from users where id='".$$_SESSION['id']."'");
while($row=mysqli_fetch_array($query))
{
  >
      <form class="register-form" role="form" method="post">
<div class="form-group">
        <label class="info-title" for="name">Name<span>*</span></label>
        <input type="text" class="form-control unicase-form-control text-input" value=""<?php echo $row['name'];>" id="name" name="name" required="required">
      </div>

      <div class="form-group">
        <label class="info-title" for="exampleInputEmail1">Email Address <span>*</span></label>
        <input type="email" class="form-control unicase-form-control text-input" id="exampleInputEmail1" value=""<?php echo $row['email'];>" readonly>
      </div>



      <div class="form-group">
        <label class="info-title" for="Contact No.">Contact Us <span>*</span></label>
        <input type="text" class="form-control unicase-form-control text-input" id="contactno" name="contactno" required="required" value=""<?php echo $row['contactno'];>" maxlength="10">
      </div>
      <button type="submit" name="update" class="btn-upper btn btn-primary checkout-page-button">Update</button>
    </form>
    <?php } >
  </div>
<!-- already-registered-login -->

```

Figure 19: Code of profile page

5. Cart Page

- ✓ **Explain:** This page lists the items that consumers have selected for their shopping cart. If the user wishes to purchase another item, they can simply follow the website's guidance. The product name, number, purchase price, photograph, and total sum of the product are all included in this shopping cart, as well as the total amount of the chosen object.

Remove	Image	Product Name	Quantity	Price Per unit	Shipping Charge	Grandtotal
<input type="checkbox"/>		APPLE IPHONE 6 (SILVER, 16 GB) ★★★★☆ (0 Reviews)	1	RS 36990.00	RS 0.00	36990.00
<input type="checkbox"/>		LENOVO K6 POWER (SILVER, 32 GB) ★★★★☆ (0 Reviews)	1	RS 9999.00	RS 45.00	10044.00
<div>CONTINUE SHOPPING</div> <div>UPDATE SHOPPING CART</div>						

SHIPPING ADDRESS	BILLING ADDRESS	GRAND TOTAL
	so 5 an thuong Da Nang 11111	47034.00
		PROCCED TO CHECKOUT

Figure 20: Display cart page

```
<div class="breadcrumb">
  <div class="container">
    <div class="breadcrumb-inner">
      <ul class="list-inline list-unstyled">
        <li><a href="#">Home</a></li>
        <li class="active">Shopping Cart</li>
      </ul>
    </div><!-- /.breadcrumb-inner -->
  </div><!-- /.container -->
</div><!-- /.breadcrumb -->

<div class="body-content outer-top-xs">
  <div class="container">
    <div class="row inner-bottom-sm">
      <div class="shopping-cart">
        <div class="col-md-12 col-sm-12 shopping-cart-table">
          <div class="table-responsive">
            <form name="cart" method="post">
              <?php
                if(!empty($_SESSION['cart'])){
                  <table class="table table-bordered">
                    <thead>
                      <tr>
                        <th class="cart-remove item">Remove</th>
                        <th class="cart-description item">Image</th>
                        <th class="cart-product-name item">Product Name</th>
                        <th class="cart-qty item">Quantity</th>
                        <th class="cart-sub-total item">Price Per unit</th>
                        <th class="cart-sub-total item">Shipping Charge</th>
                        <th class="cart-total last-item">Grandtotal</th>
                      </tr>
                    </thead><!-- /thead -->
                    <tfoot>
                      <tr>
                        <td colspan="7">
                          <div class="shopping-cart-btn">
                            <span class="">
                              <a href="index.php" class="btn btn-upper btn-primary outer-left-xs">Continue Shopping</a>
                              <input type="submit" name="submit" value="Update shopping cart" class="btn btn-upper btn-primary pull-right outer-right-xs">
                            </span>
                          </div><!-- /.shopping-cart-btn -->
                        </td>
                      </tr>
                    </tfoot>
                  </table>
                </?php>
              </div>
            </form>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>
```

Figure 21: Code of cart page

6. Contact Page

- ✓ **Explain:** This is an introductory page about the store's website, including: Live Support, Contact Us, Company Information, Map Company.... Allowing users to have questions or need support, advice about buying on the store's website, they can contact the store by phone number or email to advise the store in the best way for customers.

Your Name

Your name..

Email

Your Email..

Phone Number

Your Phone..

Message

Write something..

Send

View larger map

Figure 22: Display contact page

```

<div class="container">
  <form action="action_page.php">
    <label for="fname">Your Name</label>
    <input type="text" id="fname" name="yourname" placeholder="Your name..">
    <label for="lname">Email</label>
    <input type="text" id="lname" name="lastname" placeholder="Your Email..">
    <label for="lname">Phone Number</label>
    <input type="text" id="lname" name="lastname" placeholder="Your Phone..">
    <label for="subject">Message</label>
    <textarea id="subject" name="subject" placeholder="Write something.." style="height:200px"></textarea>
    <input type="submit" value="Send">
  </form>

  <iframe src="https://www.google.com/maps/embed?pb=!1m14!1m12!1m3!1d15335.27147680302!2d108.22588995!3d16.074938300000003!2m3!1f0!2f0!3f0!3m2!1!11024!2!768!4f13.1!5e0!3m2!1sen!2s!4v1617355571377!5m2!1sen!2s" width="600"
  </iframe>
</div>
<div class="contact-info">
  <div class="footer-logo">
    <div class="logo">
      <a href="index.php">
    </div>
  </div>
  <h3>Website Made By VanQuang</h3>
  </div>
  <!-- /.logo -->

  </div><!-- /.footer-logo -->

  <div class="module-body m-t-20">
    <p class="about-us"> Website Made By <a href="."/">Van Quang </a></p>
    <div class="social-icons">
      <a href="localhost/shopping/" class="active"><i class="icon fa fa-facebook"></i></a>
      <a href="#"><i class="icon fa fa-twitter"></i></a>
      <a href="#"><i class="icon fa fa-linkedin"></i></a>
      <a href="#"><i class="icon fa fa-rss"></i></a>
      <a href="#"><i class="icon fa fa-pinterest"></i></a>
    </div><!-- /.social-icons -->
  </div><!-- /.module-body -->
</div><!-- /.contact-info -->
</div><!-- /.col -->

    <div class="col-xs-12 col-sm-6 col-md-4">
      <!-- ===== CONTACT TIMING===== -->
    </div>
  </div>
  <div class="contact-timing">
    <div class="module-heading">
      <h4 class="module-title">Contact Us</h4>
    </div><!-- /.module-heading -->

    <div class="module-body outer-top-xs">
      <div class="table-responsive">
        <table class="table">
          <tbody>
            <tr><td>Contact Us</td>
            <tr><td>Saturday:</td><td class="pull-right">11:00AM To 06:00PM</td></tr>
          </tbody>
        </table>
      </div>
    </div>
  </div>

```

Figure 23: Code of contact page

P7. CREATE A SUITABLE TEST PLAN IDENTIFYING KEY PERFORMANCE AREA AND USE IT TO REVIEW THE FUNCTIONALITY AND PERFORMANCE OF YOUR WEBSITE. USER EXPERIENCE AND USER INTERFACE

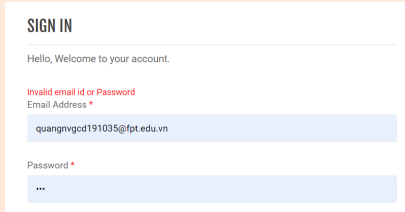
1. Test Case

Test ID	Test case	Expected Result	Date
1	Check the function of registering and logging in to the website for user	Successful registration and login and the site allows users to log in with the registered account	20/4/2021
2	Check the correct information of the product including the information: image, product price, title.	All products in terms of product images, prices and titles are displayed correctly and correctly with the database	20/4/2021
3	Functionality checks when the user adds a product and the product shows up in the shopping cart	The site will proceed to add the product to the cart. Shopping cart is updated with products with exact corresponding name, image, quantity and price.	20/4/2021
4	Check the function of editing customer profile information	The function will be edited according to customer requirements. Information will be saved when the customer clicks the "Update" button.	20/4/2021
5	Check the accuracy of the account or password	The website's login system accepts successful login	20/4/2021

Table 1: Test Case

2. Test Log

Test ID	Test case	Expected Result	Actual Result	Evaluation	Date
1	Check the function of registering and logging in to the	Successful registration and login and the site allows users to log in	Successful registration and login and the site allows users to log in	Pass	20/4/2021

	website for user	with the registered account	with the registered account		
2	Check the correct information of the product including the information: image, product price, title.	All products in terms of product images, prices and titles are displayed correctly and correctly with the database	All products in terms of product images, prices and titles are displayed correctly and correctly with the database	Pass	20/4/2021
3	Functionality checks when the user adds a product and the product shows up in the shopping cart	The site will proceed to add the product to the cart. Shopping cart is updated with products with exact corresponding name, image, quantity and price.	The site will proceed to add the product to the cart. Shopping cart is updated with products with exact corresponding name, image, quantity and price.	Pass	20/4/2021
4	Check the function of editing customer profile information	The function will be edited according to customer requirements. Information will be saved when the customer clicks the "Update" button.	The function will be edited according to customer requirements. Information will be saved when the customer clicks the "Update" button.	Pass	20/4/2021
5	Check the accuracy of the account or password	The website's login system accepts successful login	The function notifies that the password or email is incorrect and forces the user to check	Fail 	20/4/2021

			or register a new account		
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Table 2: Test Log

References

Contributor, T. (n.d.). *whatis.techtarget*. Retrieved from <https://whatis.techtarget.com/definition/use-case-diagram>

interaction-design. (n.d.). *interaction-design*. Retrieved from <https://www.interaction-design.org/literature/topics/wireframing>

Shinobi. (n.d.). *exposureninja*. Retrieved from <https://exposureninja.com/training/guides/seo/what-is-a-sitemap/>