Univerrsity of Greenwich

Information Technology majors

Assignment 2

By : Lê Tấn Đạt

Student ID: GCD17091

Student Name/ID Number	Lê Tấn Đạt / GCD17091
Unit Number and Title	**10: Website Design & Development**
Academic Year	Fall 2018
Unit Tutor	Huỳnh Thanh Tân
Assignment Title	**Web Services Presentation and Guidebook**
Issue Date	20/12/2018
Submission Date	29/12/2018
IV Name & Date	

P5 Design document:

-Online shopping is the process of buying goods and services from merchants over the Internet. Since the emergence of the World Wide Web, merchants have sought to sell their products to people who spend time online. Shoppers can visit web stores from the comfort of their homes and shop as they sit in front of the computer.

-Consumers can buy a huge variety of items from online stores, and just about anything can be purchased from companies that provide their products online. My website specializes in selling: men's and women's pants, shirts, shoes.

Source refrence :(https://www.quora.com/What-is-online-shopping-1)

-A website usually consists of 2 components:

Front-end and back-end are terms that refer to the start and end stages of a process. This concept is often used in the field of software development:

+ In software design, the front-end is part of the software system, which directly interacts with users. Specifically, it is the system of user interfaces (GUI) and user-side programming.

+ The back-end (the programming part on the server) includes components to handle information from the Front-end. Usually refers to interaction with DBMS (data management system).

Source refrence :(https://vi.wikipedia.org/wiki/Front-end_v%C3%A0_back-end)

-Some languages need to learn or know to use as web:

+Css:

CSS stands for Cascading Style Sheets. This is a language style sheet used to describe the look and format of a document written in markup language. It provides an additional feature for HTML. It is often used with HTML to change the style of the website and the user interface.

CSS is used in conjunction with HTML and JavaScript in most websites to create user interfaces for web applications and user interfaces for many mobile applications.

Source refrence: (https://viettuts.vn/css)

+HTML:

HTML (short for HyperText Markup Language) is a markup language designed to create web pages with pieces of information presented on the World Wide Web. Along with CSS and JavaScript, HTML creates a trio of technical foundations for the World Wide Web. HTML is defined as a simple application of SGML and used in organizations that require complex publishing requirements. HTML has become an Internet standard maintained by the World Wide Web Consortium (W3C). Currently, HTML is being developed with the HTML5 version promising to bring a new look to the Web.

Source refrence :(https://vi.wikipedia.org/wiki/HTML)

+**PHP:**

PHP ("Hypertext Preprocessor") is a scripting language or a type of code that is primarily used to develop server-side, open-source code for general use. It is very suitable for the web and can be easily embedded into HTML pages. Due to being optimized for web applications, fast, compact, syntax similar to C and Java, easy to learn and relatively short construction time compared to other languages, PHP quickly became into the world's most popular web programming language.

Source refrence :(https://vi.wikipedia.org/wiki/PHP)

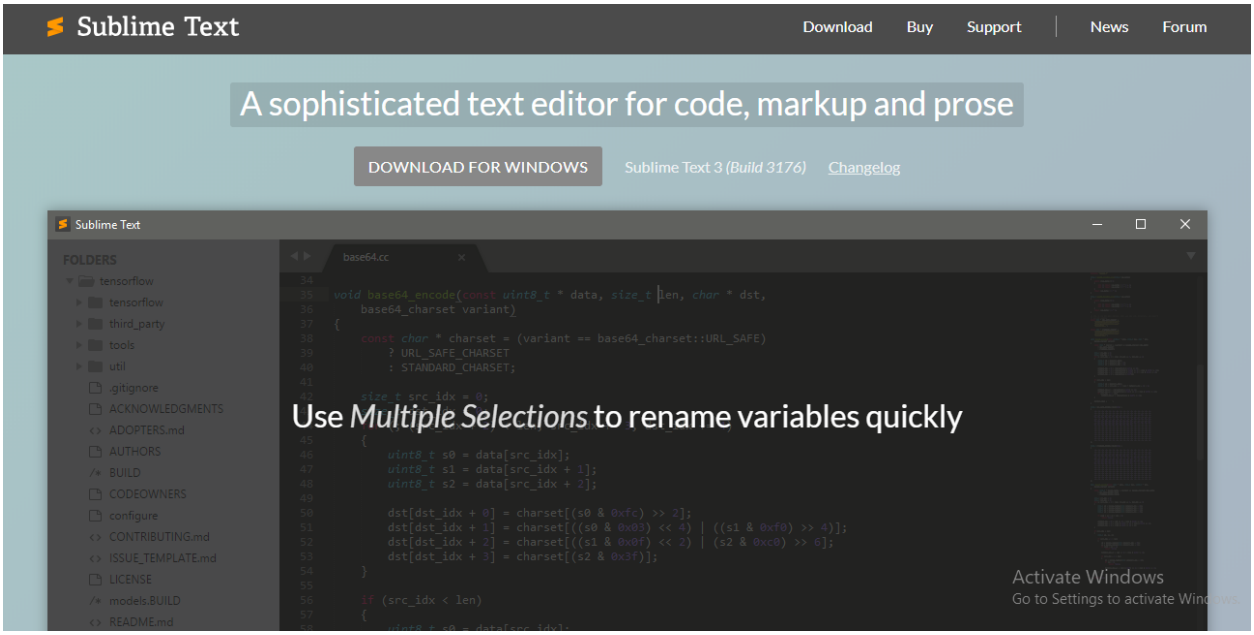
+JavaScript:

JavaScript is an interpreted programming language developed from prototype ideas. This language is widely used for websites (user side) as well as server side (with Nodejs). Like Java, JavaScript has a similar syntax to C, but it is closer to Self than Java. .js is an extension commonly used for JavaScript source files.

Source refrence : (https://vi.wikipedia.org/wiki/JavaScript)

-I use 2 software to code and set the server as **Sublime text 3** (HTML, CSS, JavaScript) and **Xampp** (PHP), **Bootstrap**:

***Sublime Text 3:**



Sublime Text 3 (ST3) is the latest version of the most used text editor by web developers, coders, and programmers. It is available for Mac, Windows, Linux and allows for free download and use.

Link software Sublime Text 3: (https://www.sublimetext.com/)

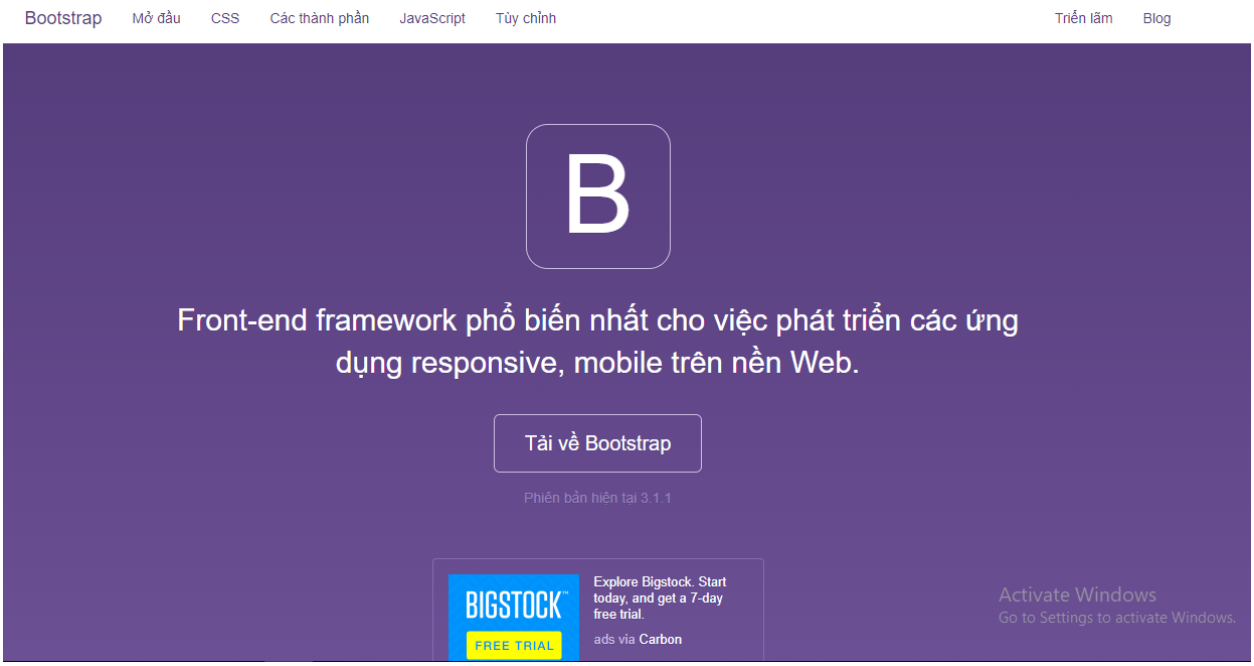
***Xampp:**

XAMPP is a well-known and commonly used software application used by developers to build and develop PHP language website projects. XAMPP is installed and run directly in the Windows environment.

Link software Xampp :(https://www.apachefriends.org/download.html)

Some pictures about my website:

***Bootstrap:** Link software Bootstrap (http://getbootstrap.com.vn/)



-Bootstrap is the most popular HTML, CSS and JavaScript framework for developing, mobile integration sites.

-Bootstrap includes basic CSS HTML code for typography, forms, buttons, tables, grids, navigation, and many other components in a website. This helps designers avoid having to repeat the process of creating CSS classes and the same HTML code during web design. The style of the HTML elements in Bootstrap is quite simple and elegant. Examples include shadowing in input, highlighting of tables, CSS codes showing warnings, tabs, paging.

Source reference(https://www.webico.vn/bootstrap-la-gi-gioi-thieu-va-huong-dan-cach-su-dung-bootstrap-3/)

-Advantages:

-Ability to create quick interface with components without repeating the process of writing HTML or CSS class code.

- Optimized platform: Bootstrap is built with a storage library that you can easily use and customize according to your purpose.

- Bootstrap is designed with compatibility on many browsers and devices.

- Good interaction with smartphones: If before, websites often have to use 2 versions of programming for PC and phone, now, with the appearance of Bootstrap, your website will be responsive support by default, help the website improve the performance when users access on mobile.

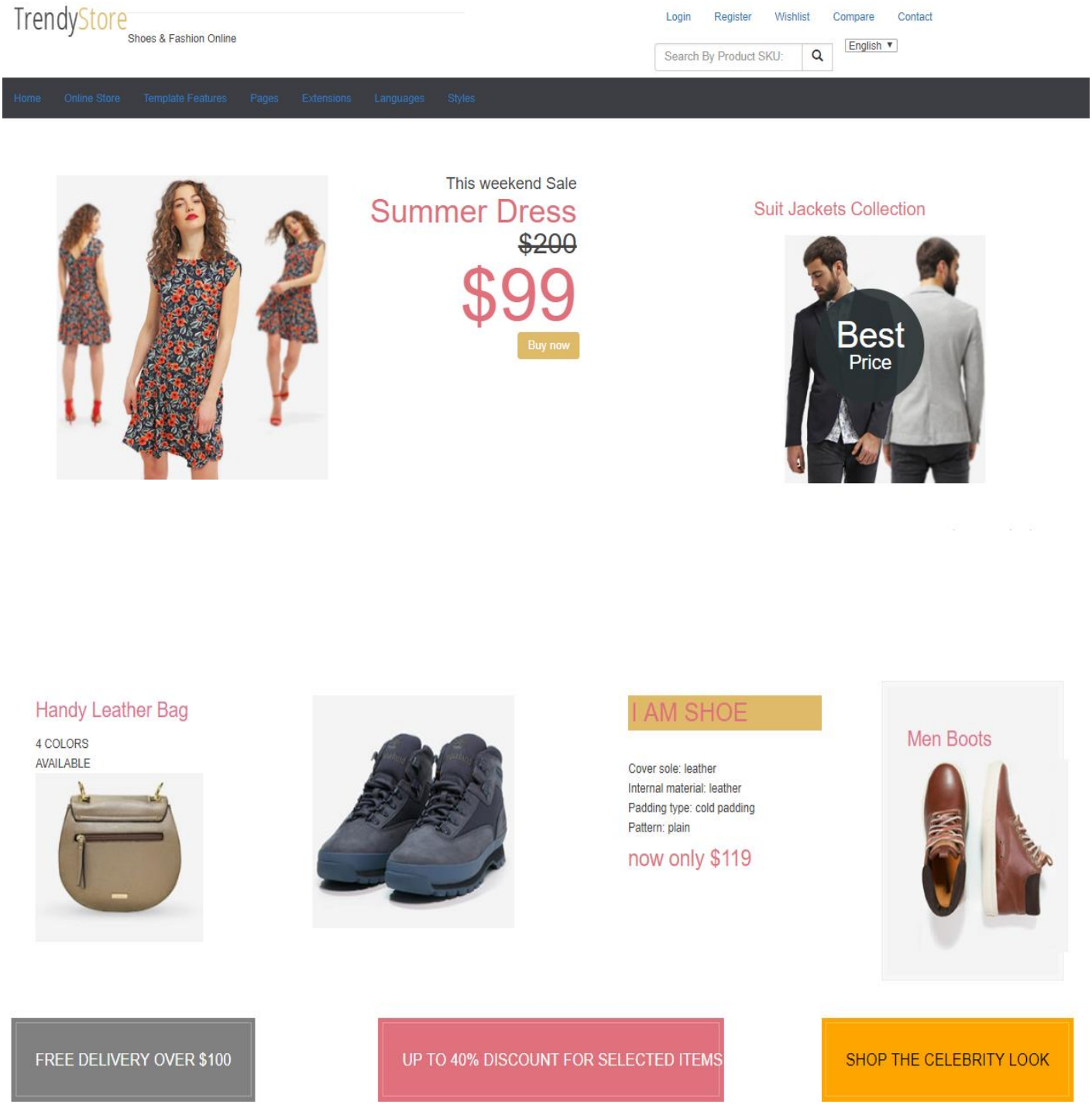
- Full and luxurious interface: The interface is supported almost all the necessary components for website design.

- Easy to customize: To be able to meet many types of websites, Bootstrap is also supported to add customization features, so you can change most of its properties to suit your program.

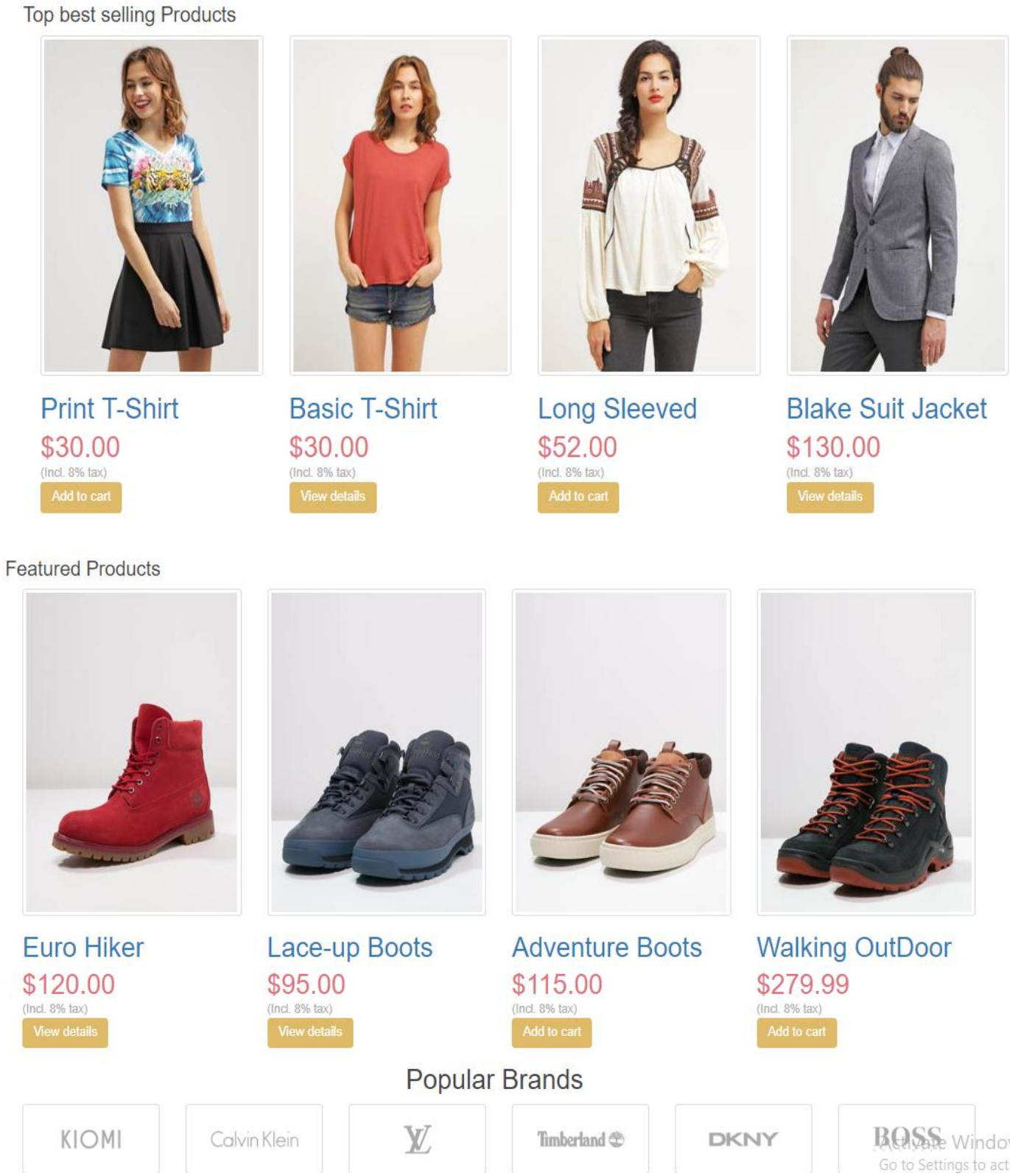
- Bootstrap is developed friendly to Google so it can also be considered an advantage for you to improve your website ranking on search engines.

Source reference: (https://sites.google.com/site/ithietkewebsite8888/kien-thuc-web/uu-nhuoc-diem-cua-thiet-ke-website-bang-bootstrap)

1)**Home page**: Based on customer design and standards documents, my website is complete with an easy-to-use and customer-friendly interface.



The products are clearly displayed, information and prices.



0$
FREE DELIVERY

30 DAYS
REFUND GUARANTEE

123 456 789
MON - SAT 7:00 - 18:00

2 YEARS
GUARANTEE

TrendyStore

TrendyStore 7 Green Lane,
Peterborough
Cambridgeshire, UK
Call Us : (44) 7829 658 452
Email : store@store.com

Online Store

- How to Buy?
- Guarantee
- Refund Policy
- FAQ

Our services

- My Account
- Electronic Store club
- Terms of Service
- Contact Us

Safe payments

- Secure Connection
- MasterCard
- VISA
- Cash on Delivery

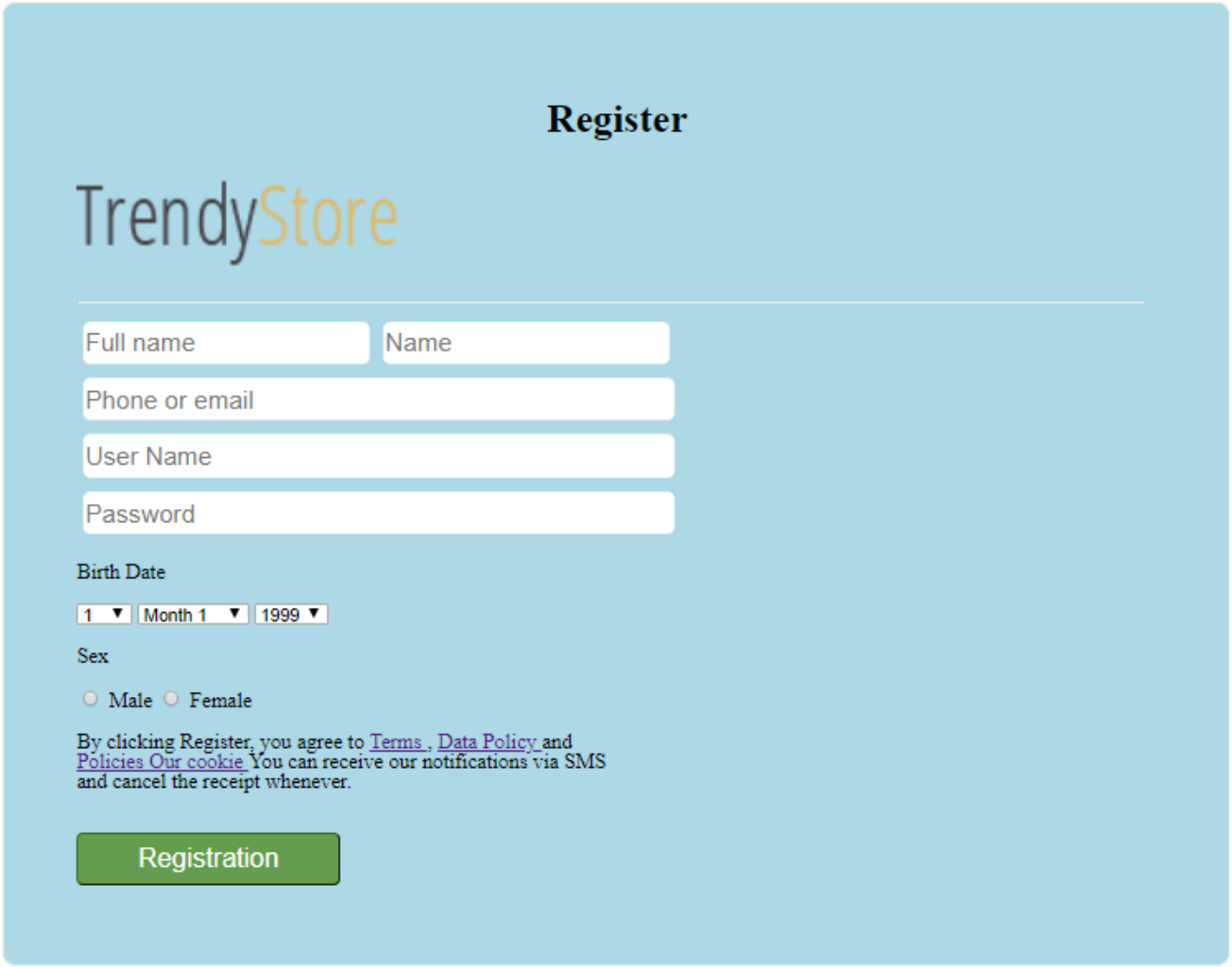
JM Trendy J2Store. All Rights Reserved.

Joomla Templates by Joomla-Monster.com

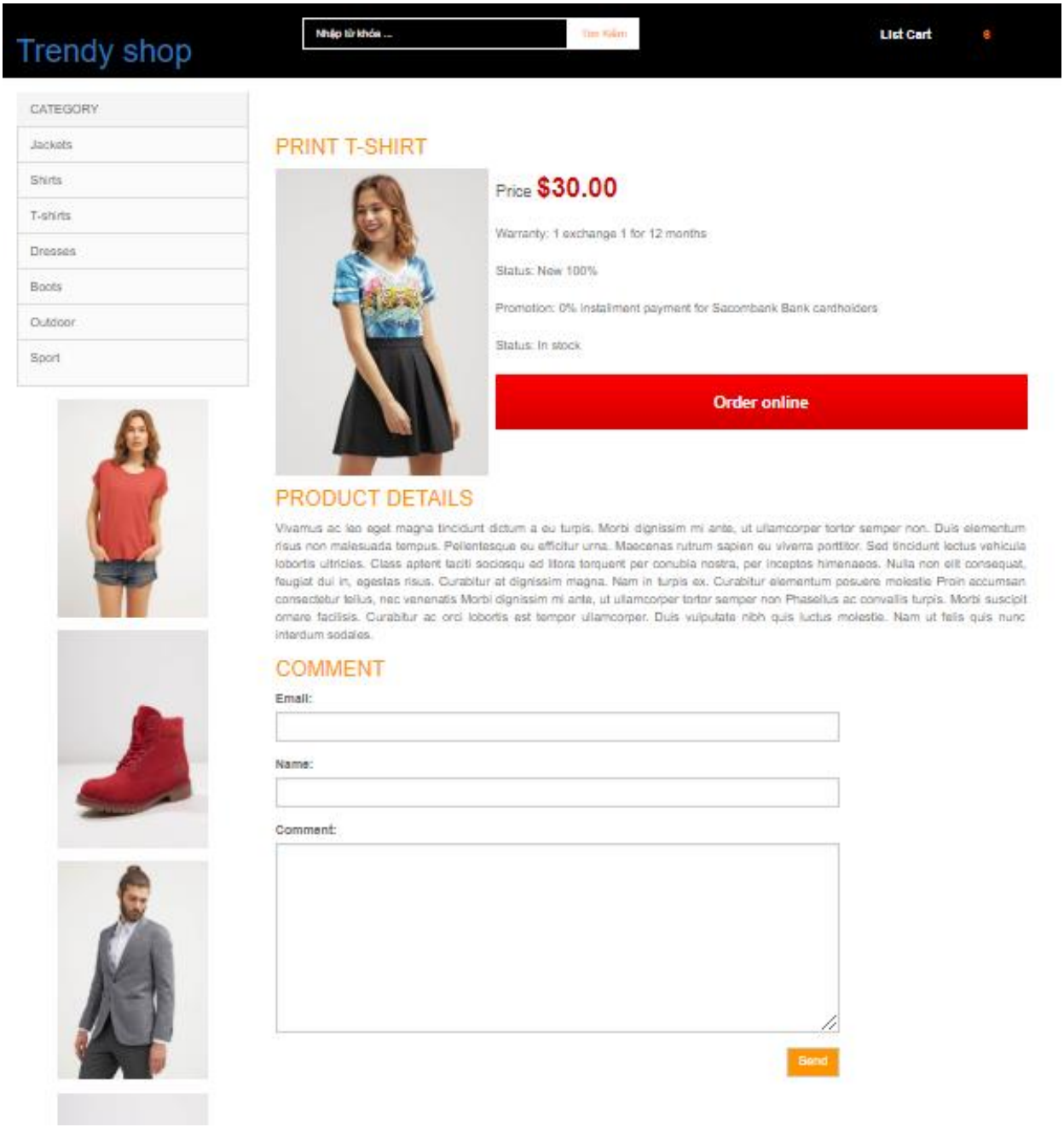
Activate Windows
Go to Settings to activate Windows.

2) **Login Page:** When you press the button login, login interface will appear like this. Complete the information then click on **Login** button, if you forget password can click forget password or username? to move Register page:

3) **Register page**: Complete the information then click on **Registration** button to create an account to for convenient transactions.

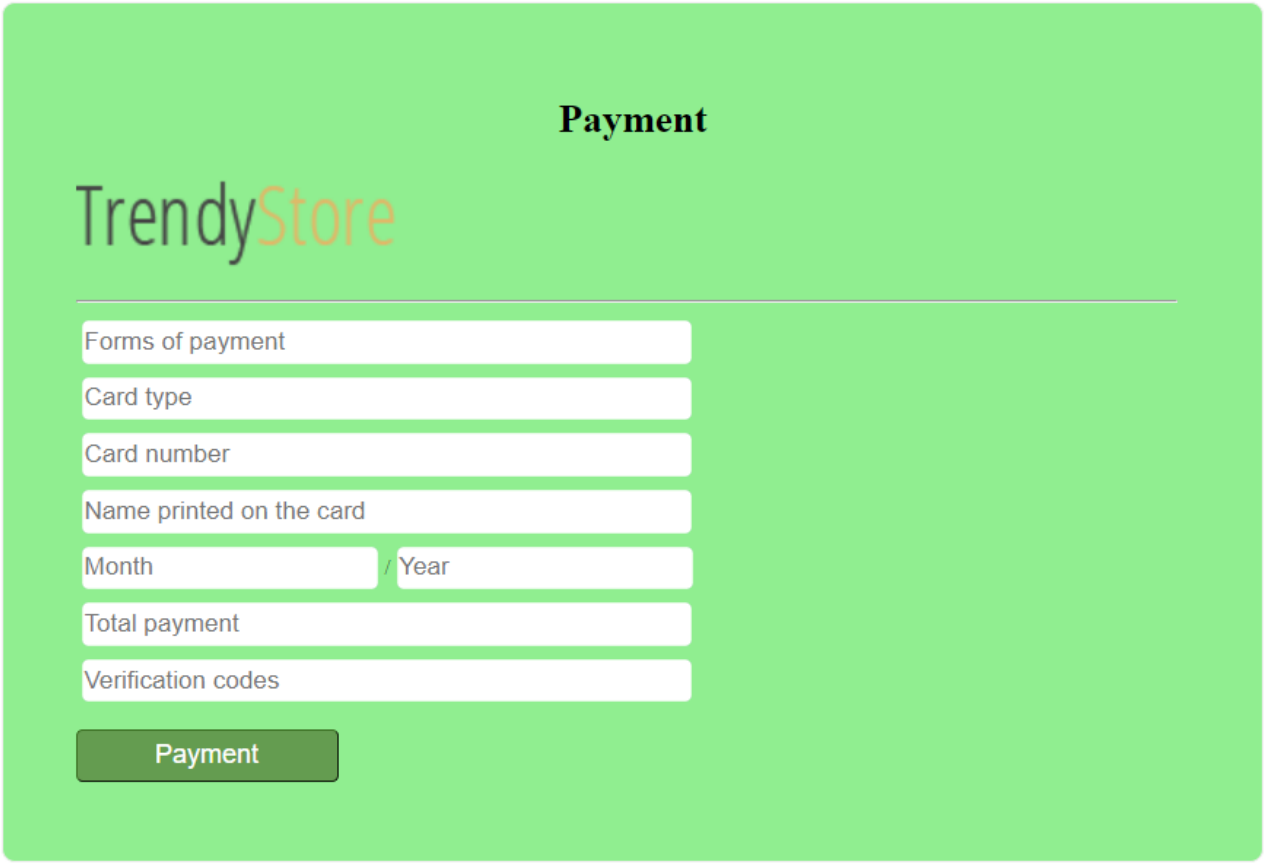


4) **Detail products page**: All items have clear information, if the customer clicks on the product, all information about the item, contact phone number and transaction will be displayed.When you click on the **Order online** ,website will go to Payment page.

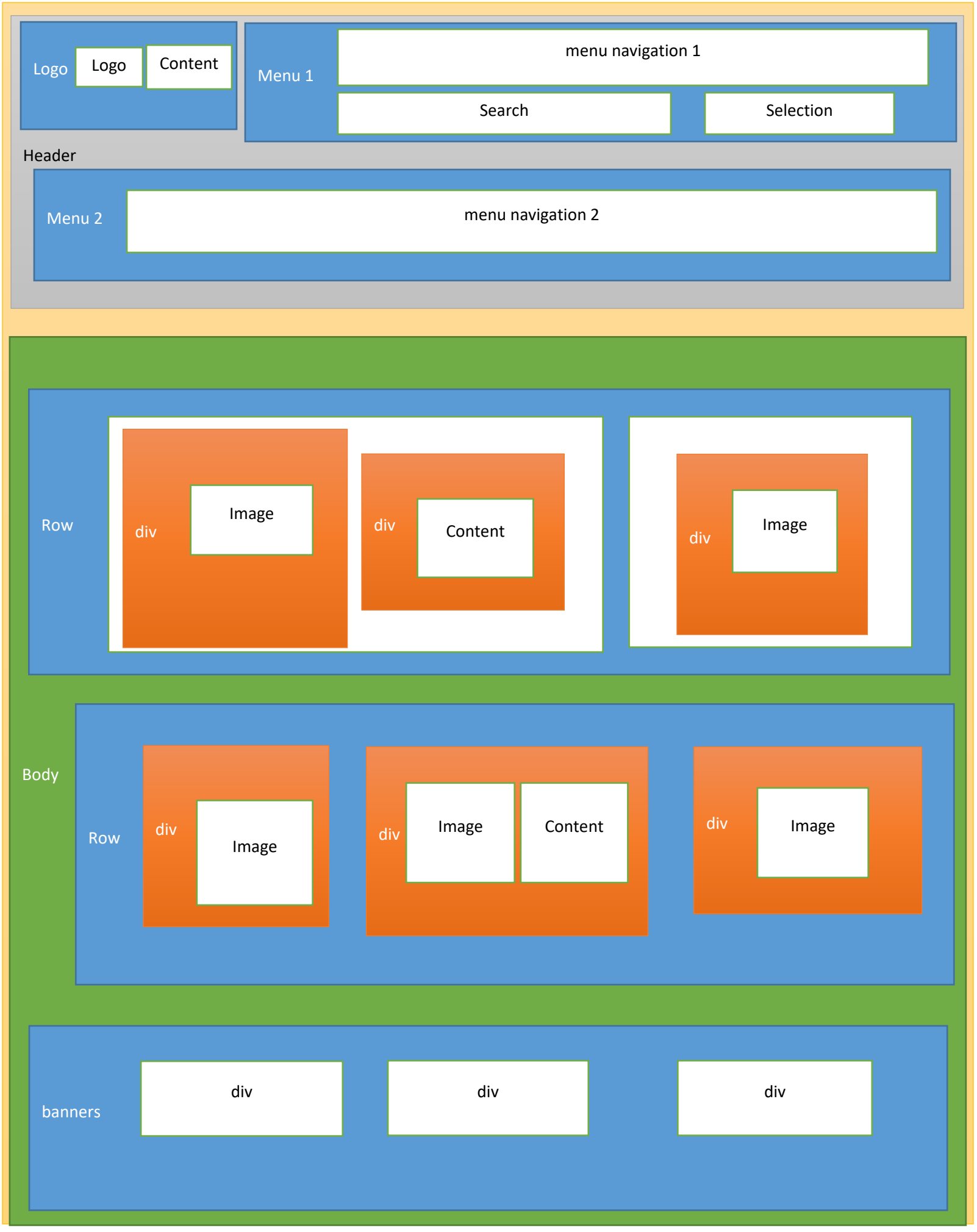


5)**Payment page** : This is the paid interface when buying products in the web.

Complete the information then click on the **Payment** button.



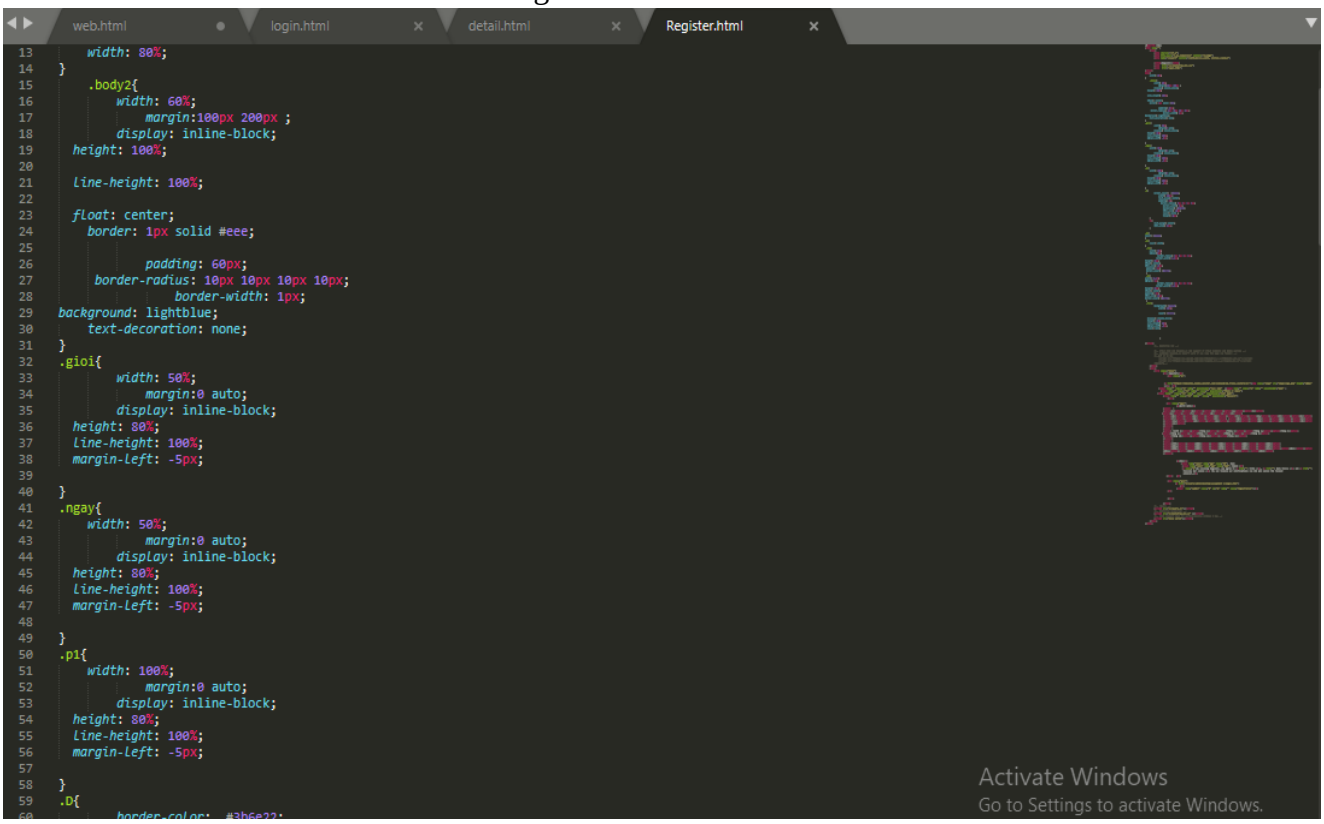
I use Word to outline the whole site and to make it easier to build and develop Web.


Logo
Logo
Content
Menu 1
menu navigation 1
Search
Selection
Header
Menu 2
menu navigation 2
Row
div
Image
div
Content
div
Image
Body
Row
div
Image
div
Image
Content
div
Image
banners
div
div
div

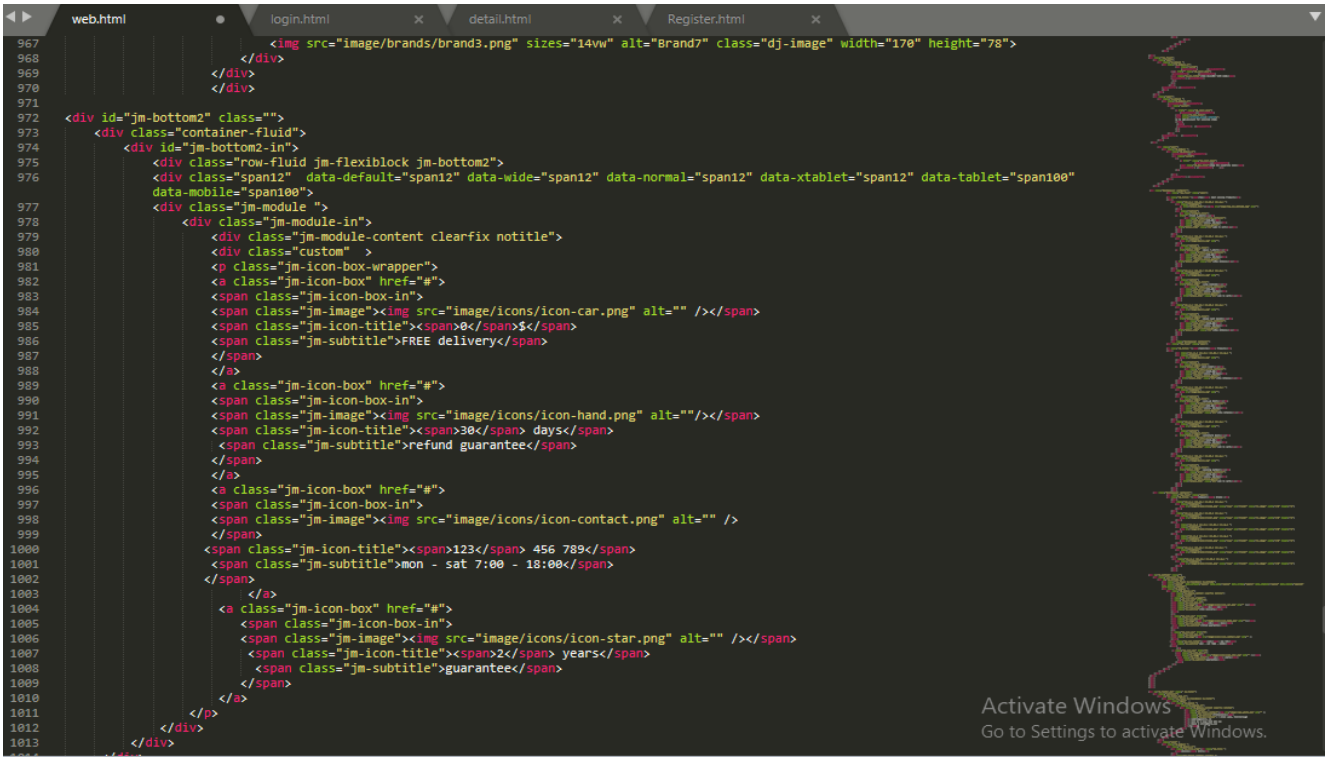
Top selling
div
div
div
div
Featured
div
div
div
div
Brand
icon
Information
div
div
div
div
Footer
div
div
div

Coding

Some evidence of code used for web design:



```
    width: 80%;
}
    .body2{
        width: 60%;
            margin:100px 200px ;
        display: inline-block;
  height: 100%;

  line-height: 100%;

  float: center;
    border: 1px solid #eee;

            padding: 60px;
     border-radius: 10px 10px 10px 10px;
                border-width: 1px;
background: lightblue;
    text-decoration: none;
}
.gioi{
        width: 50%;
            margin:0 auto;
        display: inline-block;
  height: 80%;
  line-height: 100%;
  margin-left: -5px;

}
.ngay{
    width: 50%;
            margin:0 auto;
        display: inline-block;
  height: 80%;
  line-height: 100%;
  margin-left: -5px;

}
.p1{
    width: 100%;
            margin:0 auto;
        display: inline-block;
  height: 80%;
  line-height: 100%;
  margin-left: -5px;

}
.D{
```



```
                        <img src="image/brands/brand3.png" sizes="14vw" alt="Brand7" class="dj-image" width="170" height="78">
                    </div>
                </div>
                </div>

<div id="jm-bottom2" class="">
    <div class="container-fluid">
        <div id="jm-bottom2-in">
            <div class="row-fluid jm-flexiblock jm-bottom2">
            <div class="span12"  data-default="span12" data-wide="span12" data-normal="span12" data-xtablet="span12" data-tablet="span100"
            data-mobile="span100">
            <div class="jm-module ">
                <div class="jm-module-in">
                    <div class="jm-module-content clearfix notitle">
                    <div class="custom"  >
                    <p class="jm-icon-box-wrapper">
                    <a class="jm-icon-box" href="#">
                    <span class="jm-icon-box-in">
                    <span class="jm-image"><img src="image/icons/icon-car.png" alt="" /></span>
                    <span class="jm-icon-title"><span>0</span>$</span>
                    <span class="jm-subtitle">FREE delivery</span>
                    </span>
                    </a>
                    <a class="jm-icon-box" href="#">
                    <span class="jm-icon-box-in">
                    <span class="jm-image"><img src="image/icons/icon-hand.png" alt=""/></span>
                    <span class="jm-icon-title"><span>30</span> days</span>
                     <span class="jm-subtitle">refund guarantee</span>
                    </span>
                    </a>
                    <a class="jm-icon-box" href="#">
                    <span class="jm-icon-box-in">
                    <span class="jm-image"><img src="image/icons/icon-contact.png" alt="" />
                    </span>
                   <span class="jm-icon-title"><span>123</span> 456 789</span>
                    <span class="jm-subtitle">mon - sat 7:00 - 18:00</span>
                   </span>
                         </a>
                     <a class="jm-icon-box" href="#">
                        <span class="jm-icon-box-in">
                        <span class="jm-image"><img src="image/icons/icon-star.png" alt="" /></span>
                         <span class="jm-icon-title"><span>2</span> years</span>
                          <span class="jm-subtitle">guarantee</span>
                        </span>
                    </a>
                </p>
            </div>
        </div>
```

P6)Use your design document with appropriate principles, standards and guidelines to produce a branded, multipage website supported with realistic content:

1)The Principle:

Includes 8 basic principles as follows:

1) The website is organized and easy to use.

2) Use words that are easy to understand.

3) Easily explore links.

4) Fast download time.

5) Compatible with most web browsers and devices.

6) Easy to track "sales process".

7) Your website layout should be clear and easy for customers to find information and products

8) Some other important issues when making websites

- Avoid spelling errors.

- Avoid excessive offers.

- Use notification statuses.

Source reference:(http://www.lamtrangweb.vn/kien-thuc-website/44-nguyen-tac-trong-lam-website-chuyen-nghiep.html)

2)The Standards:

1) Simplicity

+Colors: Don't use too many.

+Typefaces: The typefaces you choose should be legible at the very least. And when it comes to colors, you shouldn't use too many.

+Graphics. Only use them if they'll help a user complete a task or perform a specific function.

2) Visual Hierarchy

When it comes to optimizing for usability and UX, the goal is to lead visitors to complete the desired action, but in a way that feels natural and enjoyable.

3) Navigability

-Keep the structure of your primary navigation simple (and near the top of your page).

-Include a search box near the top of your site so visitors can search by keywords.

-Don't offer too many navigation options on a page.

-Don't dig too deep. In most cases, it’s best to keep your navigation to no more than three levels deep.

-Include links within your page copy, and make it clear where those links lead to.

4) Consistency

In addition to keeping your site's navigation consistent, the overall look and feel of your site should be consistent across all of your site's pages. Backgrounds, color schemes, typefaces, all areas where being consistent can have a positive impact on usability and UX.

5) Accessibility

This means investing in a website structure that is highly flexible -- like responsive design. With a responsive site, content is automatically resized and reshuffled to fit the dimensions of whichever device a visitor happens to be using like the normal size of phone, or laptop, pc, iPad, etc..

6) Conventionality

-Having the main navigation be at the top (or left side) of a page

-Having a logo at the top left (or center) of a page

-Having that logo be clickable so it always brings a visitor back to the homepage

-Having links change color/appearance when you hover over them

7) Credibility

If you're striving to build a site that provides the best user experience possible, using web design conventions that visitors are already familiar with can help give your site more credibility.

8) User-Centricity

-To improve the design of your site is to conduct user testing, gather feedback, and make changes based on what you've learned.

Source refrence:(https://blog.hubspot.com/blog/tabid/6307/bid/30557/6-guidelines-for-exceptional-website-design-and-usability.aspx)

3) Instructions for creating a website:

Step 1: Get the website design requirements

-Recognize the feature requirements of the website

-Recognize the fine art requirements for the website

-Recognize the requirements for the domain and website hosting (hosting)

-Receive materials, information, and images for website design

Step 2: Select domain name - Web Hosting

-Domain name registration:

It is your website address whenever others access your website, for example:Trendyshop.com. For domain names such as .coc, .net, .org, .vn, .com.vn ... then you must register at domain name agents and pay an activation fee and annual maintenance fee.

In Vietnam, you can register domain names at major domain name providers such as Mat Troi, PA Vietnam ...

Create Hosting

-Hosting is the place to store your website, Hosting, you also have to register at the network providing domain names. It is possible to contact hosting providers such as Mat Troi, PA Vietnam ... Just like domain names, hosting just needs to call the above centers and those centers will advise you.

Step 3: Art design

- Based on the color tone of the Logo

- Based on the requirements of the meaning of the website

- Based on the domain or subject of the website

- Based on the required by customers.

Step 4: Build the main features of the website

- Building the main and basic features of the website as eye-catching, easy to use, friendly,v.v

Step 5: Complete the website:

-General outline of the entire site to give an overall view.

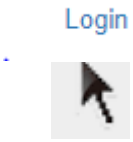
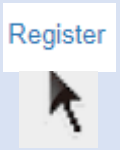
-After coding, check whether the website has met the requirements, or is it consistent, clear.

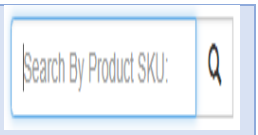
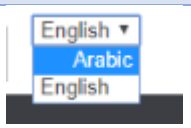
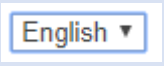
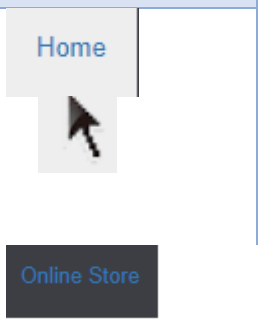
-Always put test case, plan test to test and test, maintain a website.

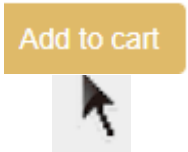
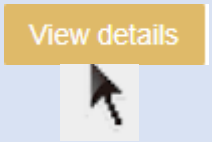
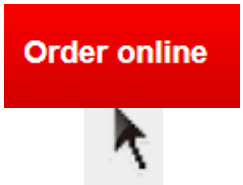
-Always update and complete the detailed features, basic content of the site.

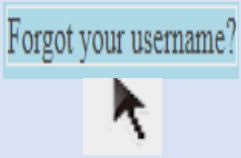
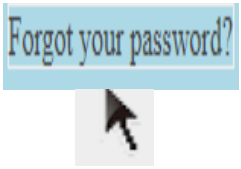
P7) Test Plan and what has not been achieved on this site:

1)Test plan :

Test	What is being tester	How	Test data use	Expected Results	Date	Actual Result	Action Taken
1	Check the effect of the logo in the head of the page.	Click on the Trendy Shop logo	Logo	Go to the homepage	27/12/2018	Success	
2	Check the effect of Login button	Click on the Login button	Login button	Go to the login page	27/12/2018	Success	
3	Check the effect of Register button	Click on the Register button	Register button	Go to the Register page	27/12/2018	Success	
4	Check the effect of Search button	Input information and click or enter to find product	Search button	Can find information when click or enter	27/12/2018	Fail	

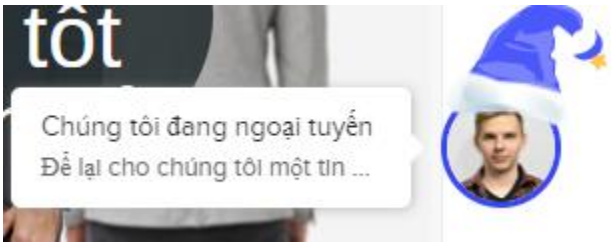
5	Try again. check the effect of Search button	Input information like: Shirt and click or enter to find product	Search button	Can find information when click or enter If not successful, cancel this function.	27/12/2018	Fail	
6	Check the effect of Select language button	Click on the Select language button	Select language button	Switching between English language and Arabic	27/12/2018	Fail	
7	Try again. check the effect of Select language button	Click on the Select language button	Select language button	Switching between English language and Arabic If not successful, cancel this function.	27/12/2018	Fail	
8	Check the effect of menu bar	Click on the menu bar	Menu bar	Can drop down information or other options	27/12/2018	Fail	
9	Try again Check the effect of menu bar.	Click on the menu bar	Menu bar	Can drop down information or other options If not successful, cancel this function	27/12/2018	Fail	Canceled

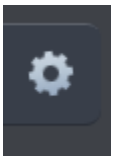
10	Check the effect of Buy now button	Click on the Buy now button	Buy now button	Go to the payment page	27/12/2018	Success	
11	Check the effect of how to see detail of product	Click on the name of product	Name of product	Go to the detail page	27/12/2018	Success	
12	Check the effect of how to see detail of product	Click on the Add to cart button	Add to cart button	Go to the detail page	27/12/2018	Success	
13	Check the effect of how to see detail of product	Click on the View details button	View details button	Go to the detail page	27/12/2018	Success	
14	Check the effect of Order online button	Click on the Order online button	Order online button	Go to the payment page	27/12/2018	Success	

15	Check the effect of Forgot your user name? button	Click on the Forgot your user name? button	Forgot your user name? button	Go to the register page	27/12/2018	Success	
16	Check the effect of Forgot your password? button	Click on the Forgot your password? button	Forgot your password? button	Go to the register page	27/12/2018	Success	

2) What has not been achieved on this site:

-Overall, the website is still not flexible but still easy to use and eye-catching, there are many points that are not as vivid as the original website.Carousel image cannot yet be made:





POPULAR BRANDS

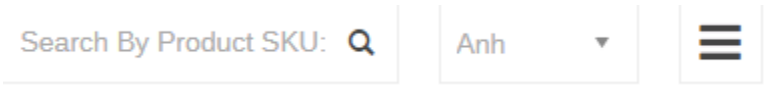
LV Timberland DKNY BOSS Pierre Cardin Zign

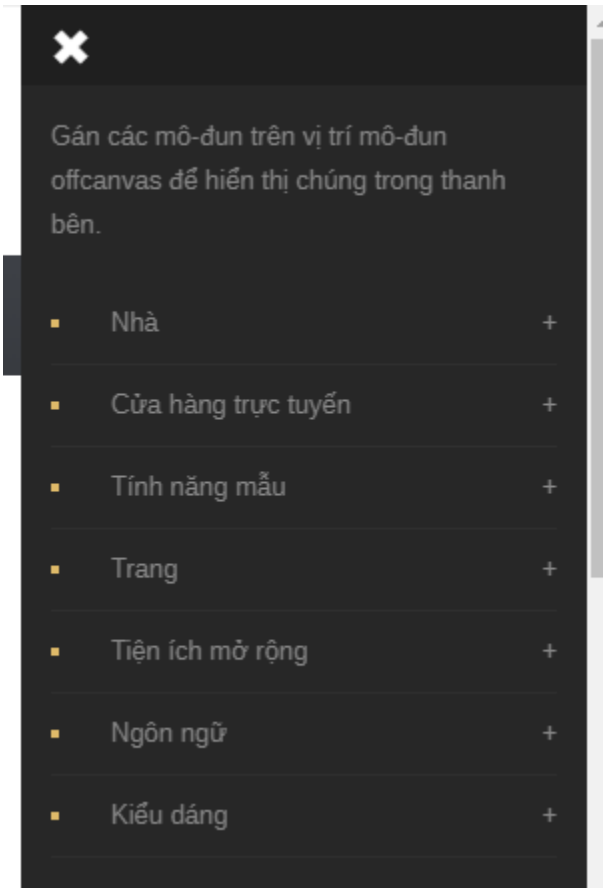
- Some shortcomings of the site:

+ Search button: Cannot search for information

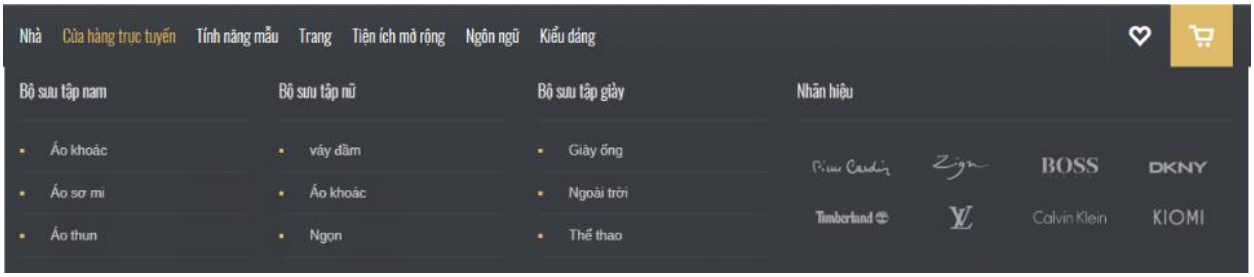
+ Language selection button: Cannot switch to Arabic language.

+ Drop button: Cannot display content, or other options.





+ Menu bar can't drop down information or other options



+ Not able to connect to the backend even though there have been many attempts.