

**FPT ACADEMY INTERNATIONAL**  
**FPT – APTECH COMPUTER EDUCATION**

**HUDSON FURNISHING**

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<b>Duration</b>	Start date	19 <sup>th</sup> Aug 2022
	End date	19 <sup>th</sup> Sep 2022

**This is to certify that**

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Nguyen Minh Tri

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Pham Nguyen Phuoc Thinh

\_\_\_\_\_  
Pham Van Phu

**has successfully designed & developed**

\_\_\_\_\_  
eProject: Hudson Furnishing website

**Submitted by:**

\_\_\_\_\_  
Nguyen Huu Phuoc

**Date of issue:**

**Authorized Signature:**

\_\_\_\_\_

# TABLE OF CONTENTS

<b>FPT – APTECH COMPUTER EDUCATION.....</b>	<b>1</b>
<b>TABLE OF CONTENTS.....</b>	<b>2</b>
<b>ACKNOWLEDGMENT .....</b>	<b>3</b>
<b>SYNOPSIS .....</b>	<b>3</b>
<b>PROBLEM DEFINITION .....</b>	<b>3</b>
<b>CUSTOMER'S REQUIREMENTS SPECIFICATIONS (CRS).....</b>	<b>4</b>
<i>Business/Project Objective .....</i>	<i>4</i>
<i>Hardware/ Software Requirements .....</i>	<i>5</i>
<b>SCOPE OF THE WORK (IN BRIEF) .....</b>	<b>6</b>
<i>Architecture and design of the system .....</i>	<i>7</i>
<i>Diagram of the website .....</i>	<i>8</i>
<b>TASK SHEET REVIEW 1.....</b>	<b>9</b>
<b>SITE MAP .....</b>	<b>10</b>
<b>MOCK OF THE WEBSITE .....</b>	<i>Error! Bookmark not defined.</i>
1. <i>Homepage.....</i>	<i>111</i>
2. <i>Product .....</i>	<i>Error! Bookmark not defined.</i>
3. <i>Blog.....</i>	<i>Error! Bookmark not defined.</i>
4. <i>About Us .....</i>	<i>14</i>
5. <i>Contact US.....</i>	<i>155</i>
6. <i>Service .....</i>	<i>156</i>
7. <i>Sign In/ Sign Up.....</i>	<i>157</i>
<b>TASK SHEET REVIEW 2.....</b>	<b>18</b>
<b>WEBSITE DESCRIPTION.....</b>	<i>Error! Bookmark not defined.</i>
<b>RESPONSIVE .....</b>	<b>28</b>
<b>JAVASCRIPT DESCRIPTION .....</b>	<b>30</b>
<b>TASK SHEET REVIEW 3.....</b>	<b>47</b>

## **ACKNOWLEDGMENT**

On behalf of team members. I would like to thank everyone who supported my team to successfully complete this eProject report. Especially, our teacher, she has supported us a lot since we started studying at FPT Aptect. With this eProject, she guided us very meticulously, enthusiastically and strictly. With her guidance, we were able to successfully complete this project. Besides, I also want to thank all the team members, each of whom worked hard to complete the eProject in earnest during the month of working together. Finally, our group would like to say thank you to my classmates and family for sharing and creating for the group the best environment to focus on the project, motivating the members to achieve their goals.

## **SYNOPSIS**

The goal of the eProject is that we need to create a website that meets all the requirements of the client, Fanimation. Fanimation is in the business of revolutionizing home appliances, by solving one problem at a time. Every household appliance we create blends mindful design, energy-efficiency and next-gen smart tech. They always satisfy customers with professional staff with many years of experience. The main goal of this website is to reach customers who need the best quality electrical products for their home or company. In addition, the products have discounts and promotions for customers, especially the company also supports the direct installation of their products. Customer satisfaction is always the top goal of Fanimation.

## **PROBLEM DEFINITION**

The Web site is to be created based on the following requirements.

- 1) The Top of the Page should be presented with a suitable logo and images of Ceiling fans, Pedestal fans.
- 2) The site must contain various sections viz. Ceiling fans, Pedestal fans, Wall fans, Exhaust fans, Accessories with products listed in these categories.
- 3) Menu should be provided with the section names and should be linked to the sections.
- 4) Filters should be provided for Category, Type, Price Range, Color, Brands etc.
- 5) Clicking on any product should open pop-up window with images, description and price of the product.
- 6) Gallery should be added for viewing different images.
- 7) Product Review and Rating must be allowed to enter by the user.
- 8) Site map, Gallery, about us, FAQ link, Contact us link must be added.
- 9) About Us and Contact Us: This menu option should display Email id, address, and contact number.
- 10) Section for various offers in the store should be provided with listing of offers with details.
- 11) Color combination must be uniform throughout the project.
- 12) Navigation must be smooth.

Over and above this, the portal should implement the following functionalities:

- Display a continuous scrolling ticker at the bottom of the page with current date, time, and location (hint: Use geolocation features of HTML5).
- Display a visitor count at the top right corner of the page beside a logo image.
- The menu options should change color on hover and also after clicking.
- Fade in and fade out options can be used for the menus.

## **CUSTOMER'S REQUIREMENTS SPECIFICATIONS (CRS)**

**Client:** Hudson Furnishing

**Business/Project Objective:**

The company advertises by distributing the pamphlets, advertising on television and so on. Due to rapid development in internet field, the company decides to launch a website where people will get all the information about the various products available with them easily.

The website is to be developed for the Windows Platform using HTML5, JavaScript and Geolocation. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

**Input to the system:**

- Searching products based on standing fan, ceiling fan, wall fan, exhaust fan and other products.
- Register members on website.
- Feedback about the quality of products

**Output from the system:**

- Display results for each type of product according to the search content.
- Display product information by price, specifications, brand, image, color, model...
- Display the special information of the product.
- Display products of the same type, same brand, other related products.
- Display a button so that customers can download the product's catalog
- Customers can also download the price list of products on the website
- Site should be able to provide brief introduction/history about the shop under About Us page.
- The location of the shop under Contact-Us page.
- Displays FAQ and allows users to email directly to the company

**Process:**

- Validate data input from users.
- Perform filter products based on: brand, category, product type, price, color...

**Expected delivery date:** 19-Sep-2022.

**List of deliverables:**

- Document Word, PDF.
- User Guide.
- Source code.

**Hardware/ Software Requirements:**

◆ **For developer**

**Hardware**

- Intel Pentium 4 processor or higher
- 01 Gigabytes of RAM or higher

**Software**

- Windows 7 OS or higher
- Adobe Dreamweaver
- Web browsers such as IE, Chrome or Firefox are supporting HTML5, CSS3 and Javascript.

◆ **For web users**

**Hardware**

- Intel Pentium 4 processor or higher
- 512 Megabytes of RAM or higher

**Software**

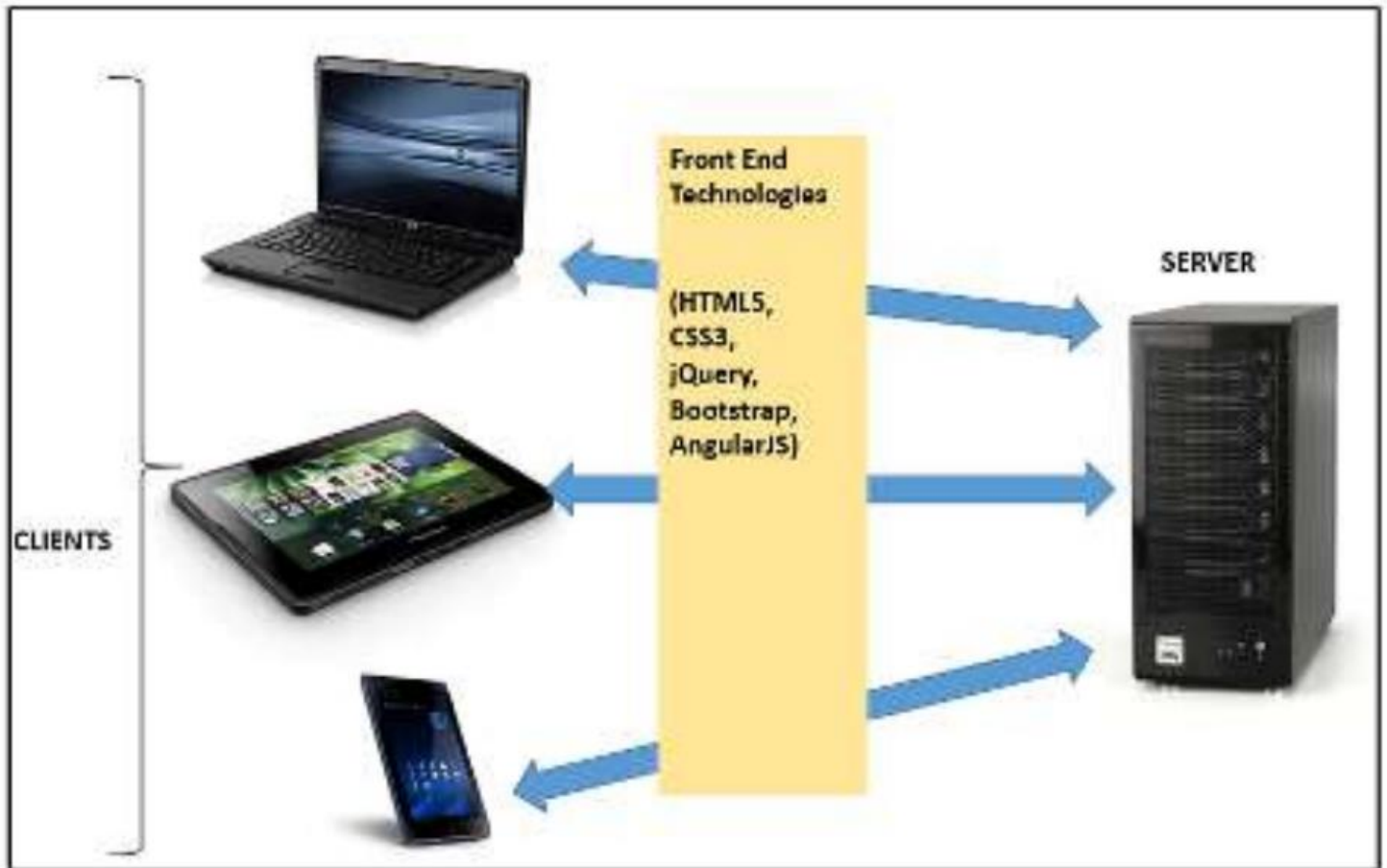
- Windows XP OS or higher
- Web browsers such as IE, Chrome or Firefox are supporting HTML5, CSS3 and Javascript.

## SCOPE OF THE WORK (IN BRIEF)

After a long and detailed discussion, our group has decided to create a website contain the following webpages:

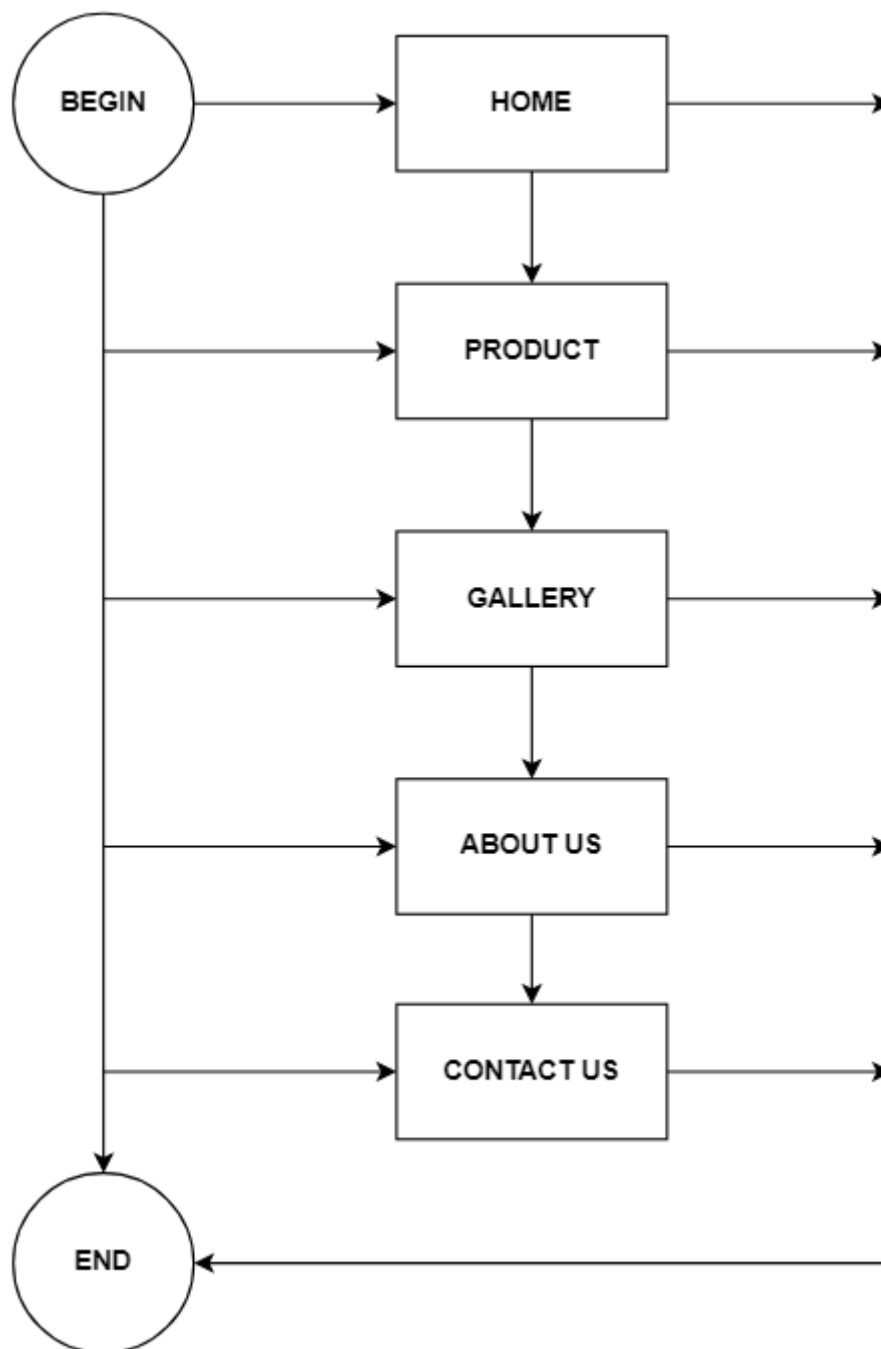
1. **Homepage:** There is a search bar to search for products, display promotional information, best-selling products and introduce Hudson Furnishing. Display a visitor count at the top right corner of the page beside a logo image.
2. **Product:** Displays all available products based on the Category (pedestal fan, ceiling fan, wall fan, exhaust fan). In the above categories, products can be filtered by name and price.
3. **Gallery:** Display interior design with fan.
4. **About Us:** Display the information of the company, clients review and about us.
5. **Contact Us:** Display the address of the company, Map and allow customers to request any information they want to Hudson Furnishing.
6. **Sign In/ Sign Up:** Allow users sign up or sign in to the website.

## ARCHITECTURE AND DESIGN OF THE SYSTEM



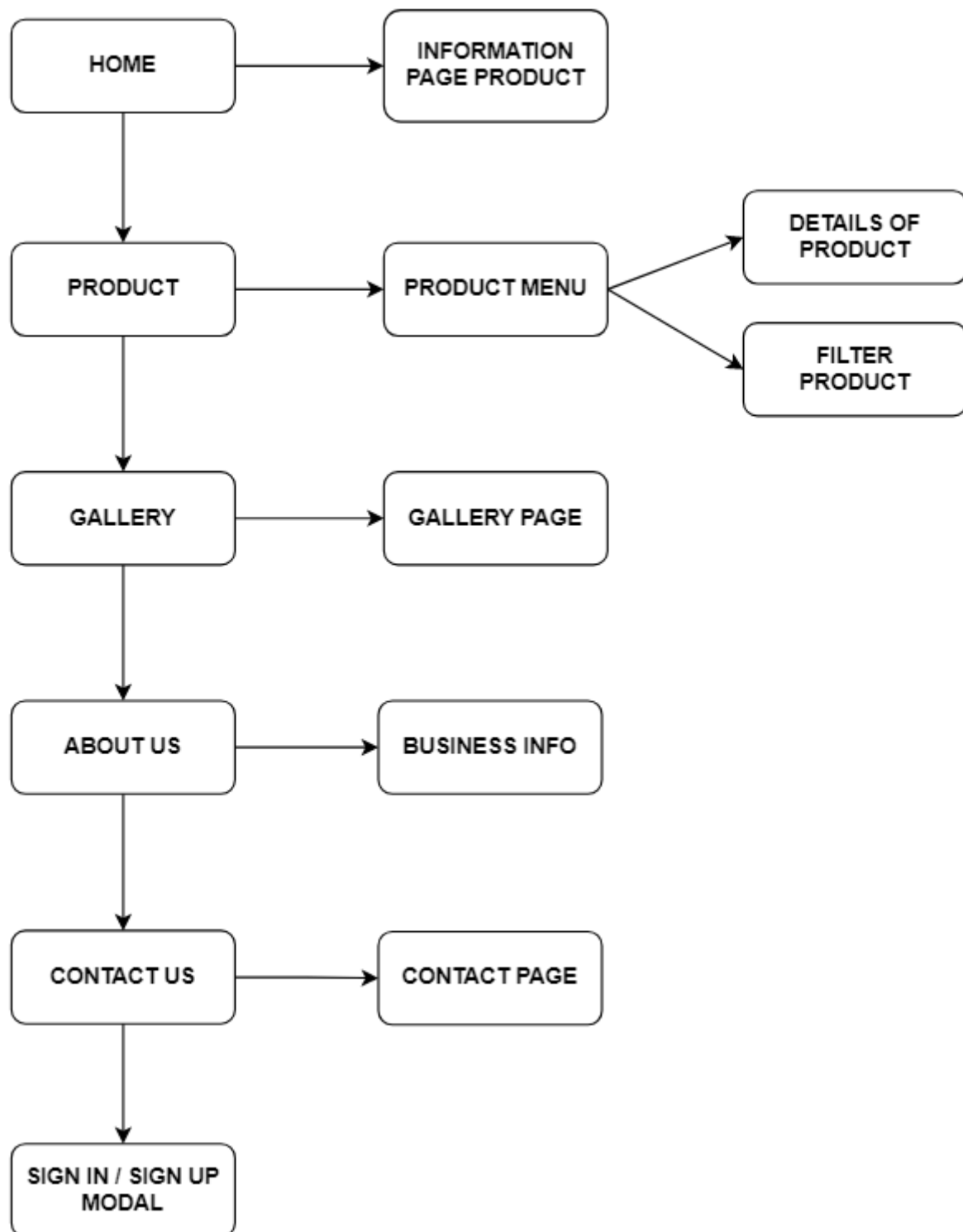


## DIAGRAM OF THE WEBSITE



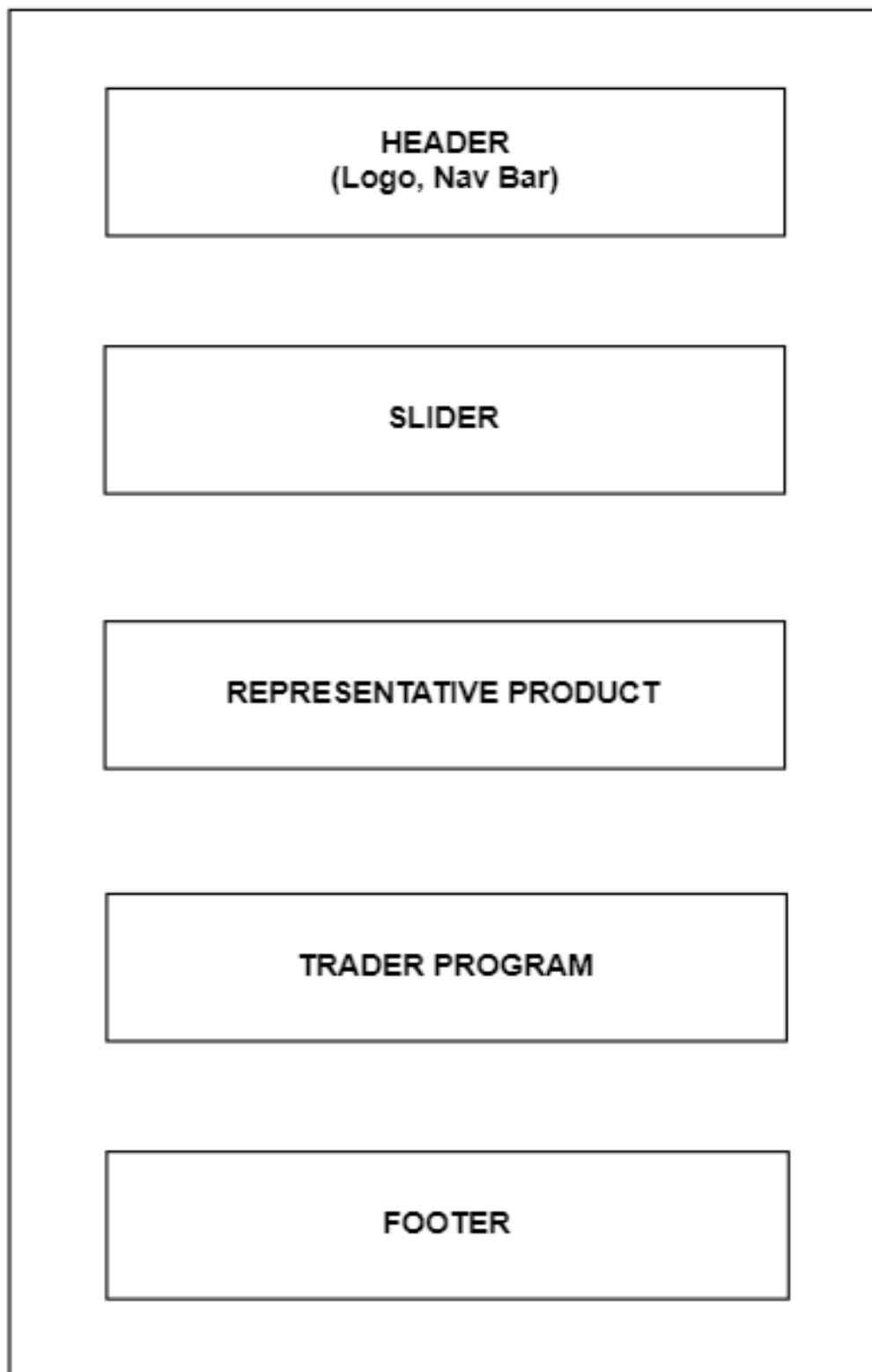


## SITE MAP

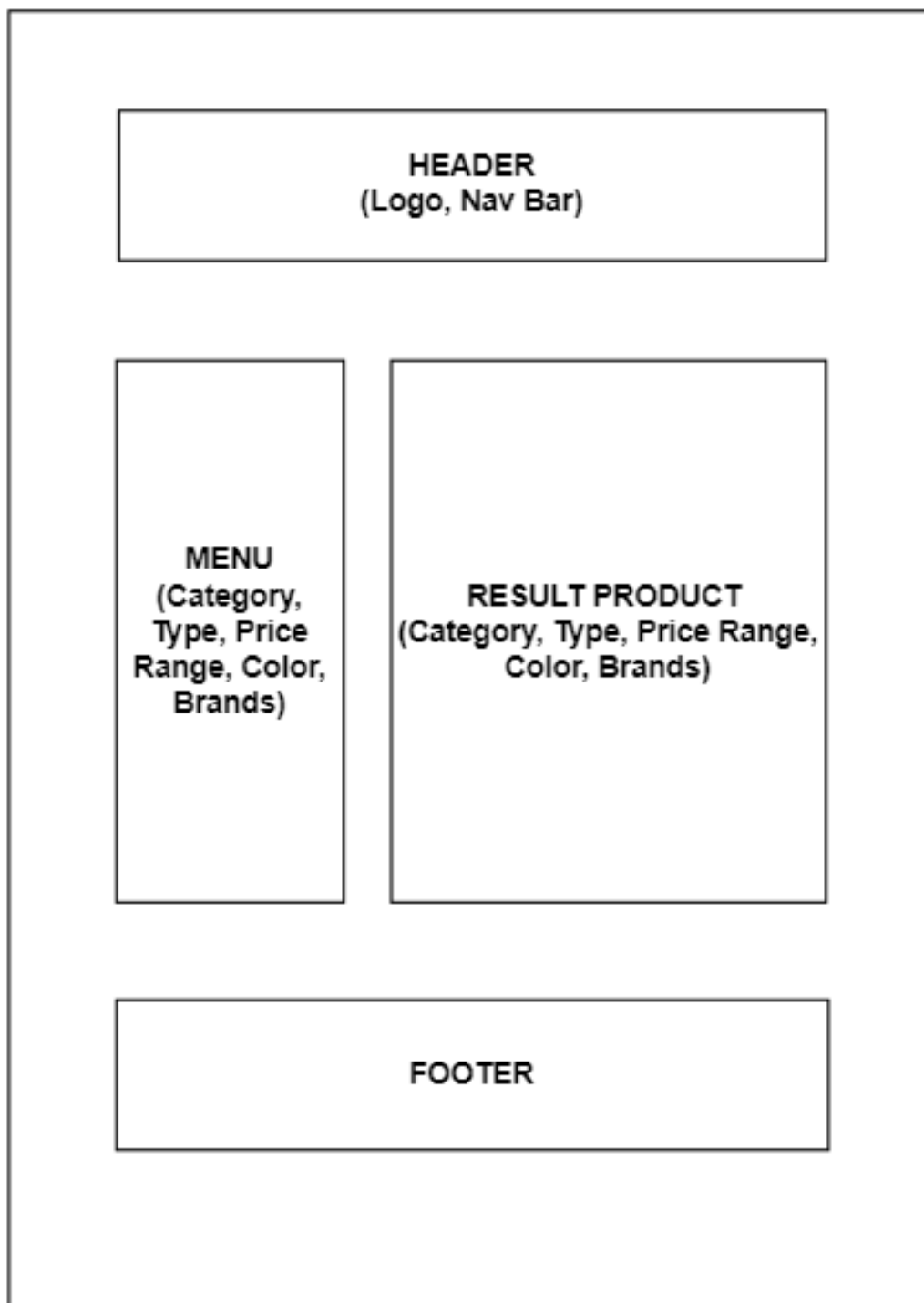


## **MOCK OF THE WEB SITE**

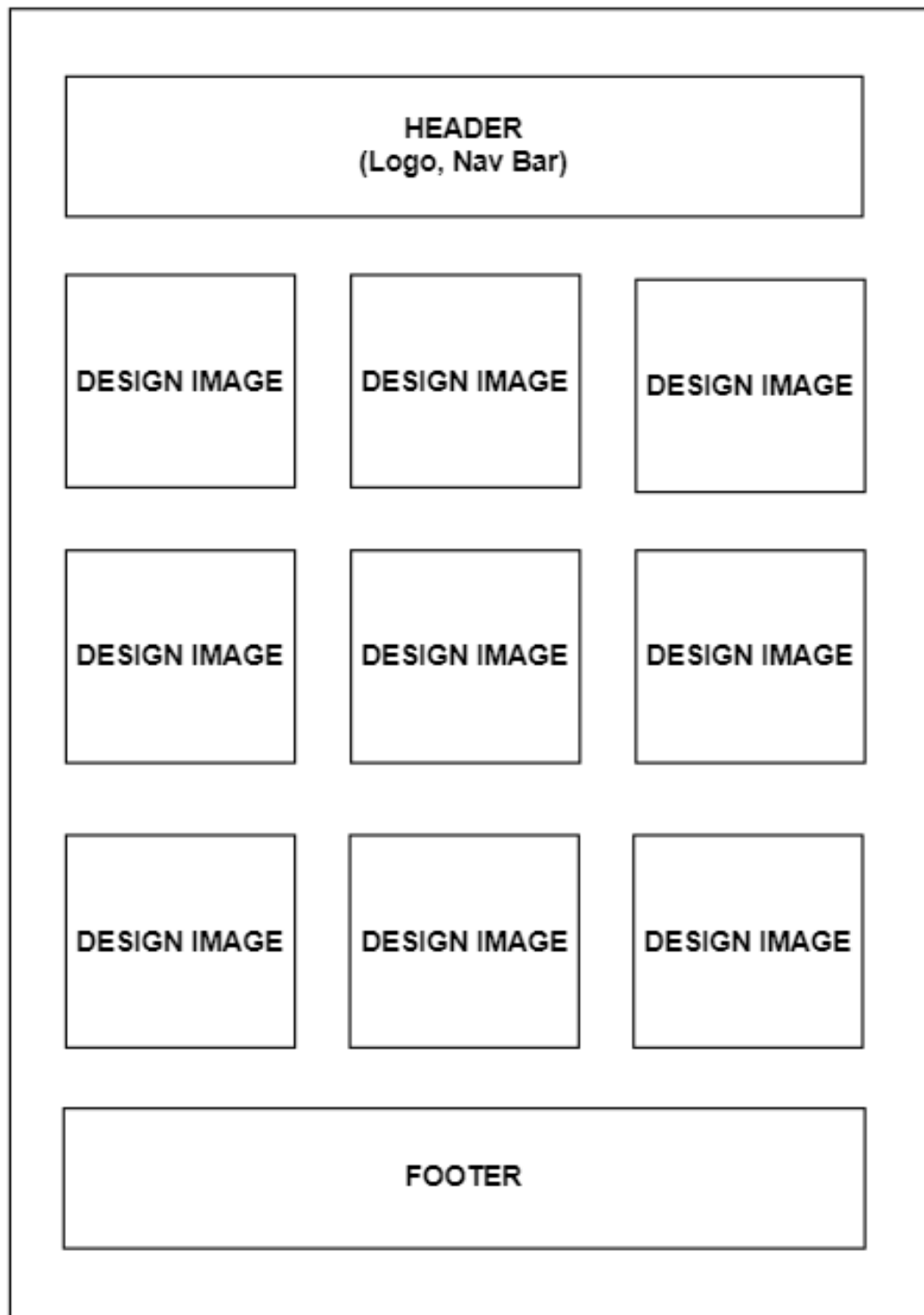
### **1. Homepage**



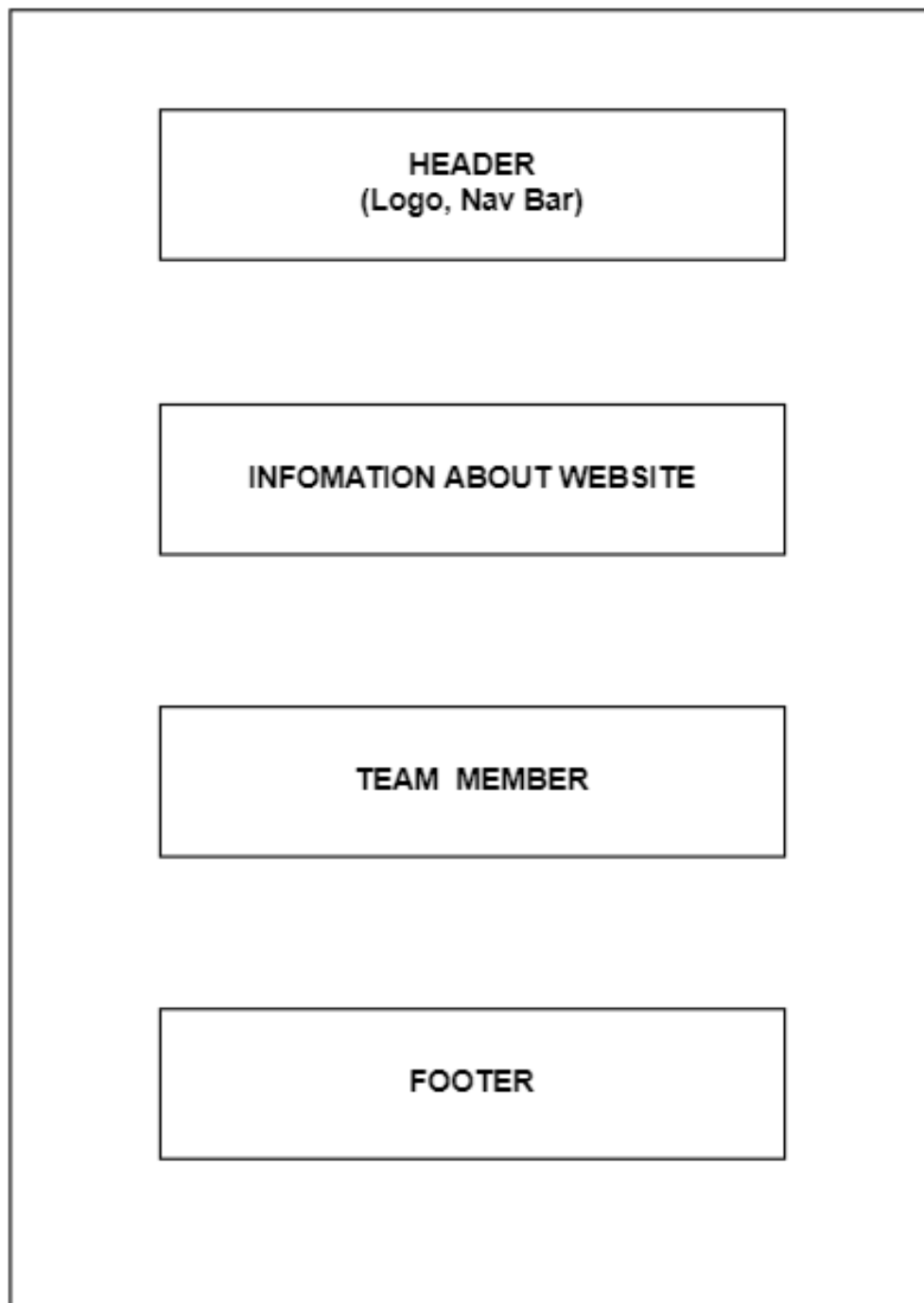
## 2. Product



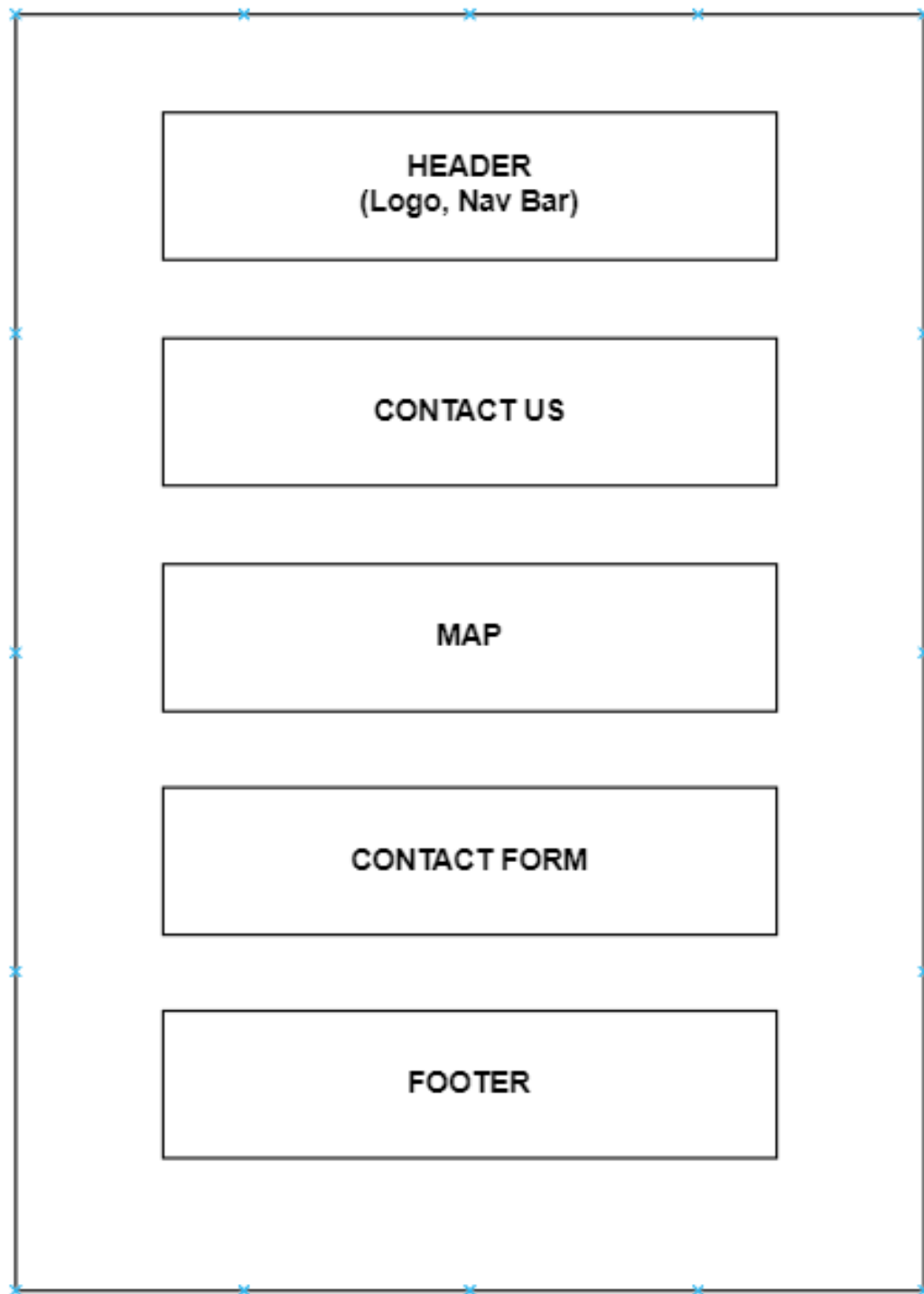
### 3. Gallery



## 4. About Us



## 5. Contact Us





## **6. Sign In/ Sign Up**

**MODAL (POPUP FORM)**

**SIGN IN**

**SIGN UP**



# WEBSITE DESCRIPTION

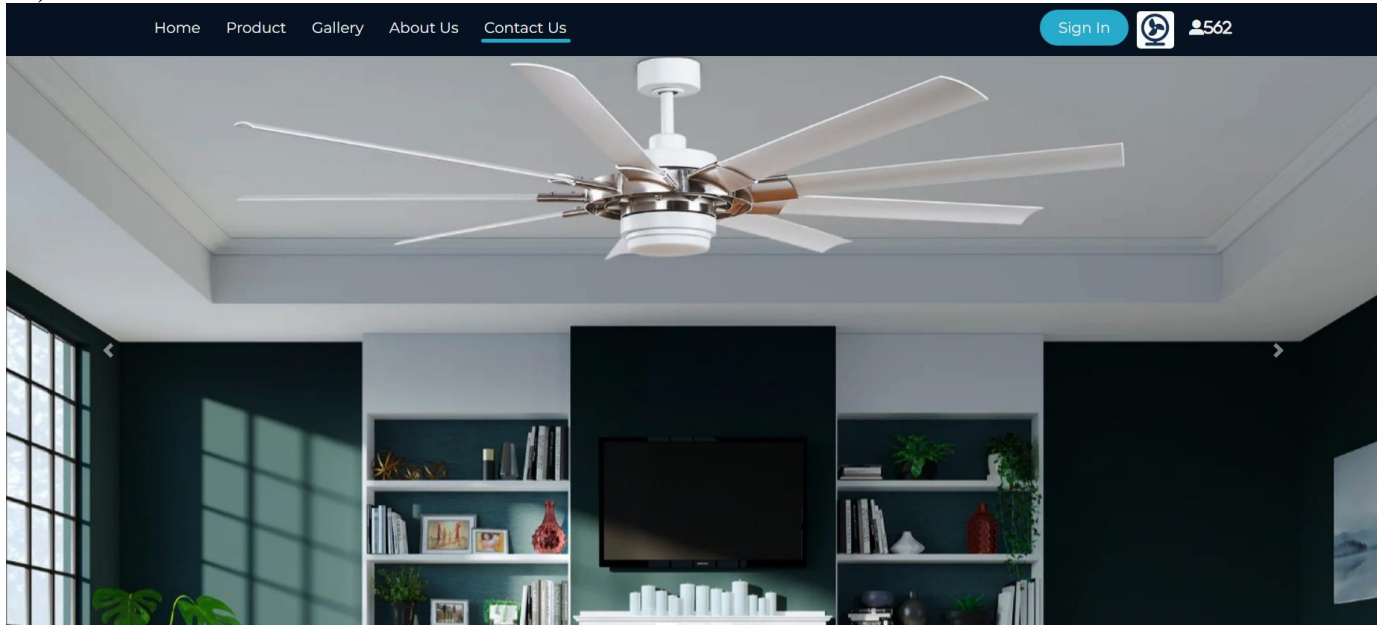
## 1. Homepage

### a) Description

Home page displays following information:

- Logo, nav bar
- Slider
- Representative product
- Footer.

### b) Screen shot



Ceiling Fans

SHOP NOW



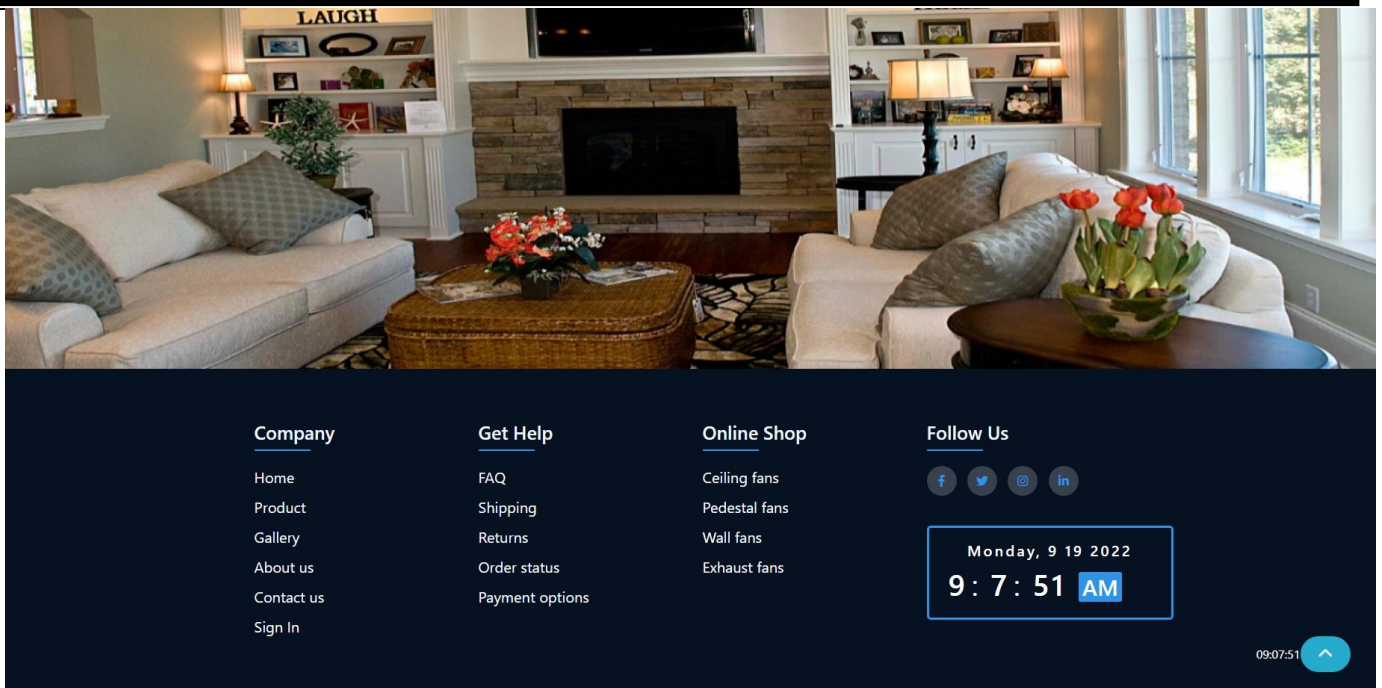
Exhaust Fans

SHOP NOW



Pedestal Fans

SHOP NOW



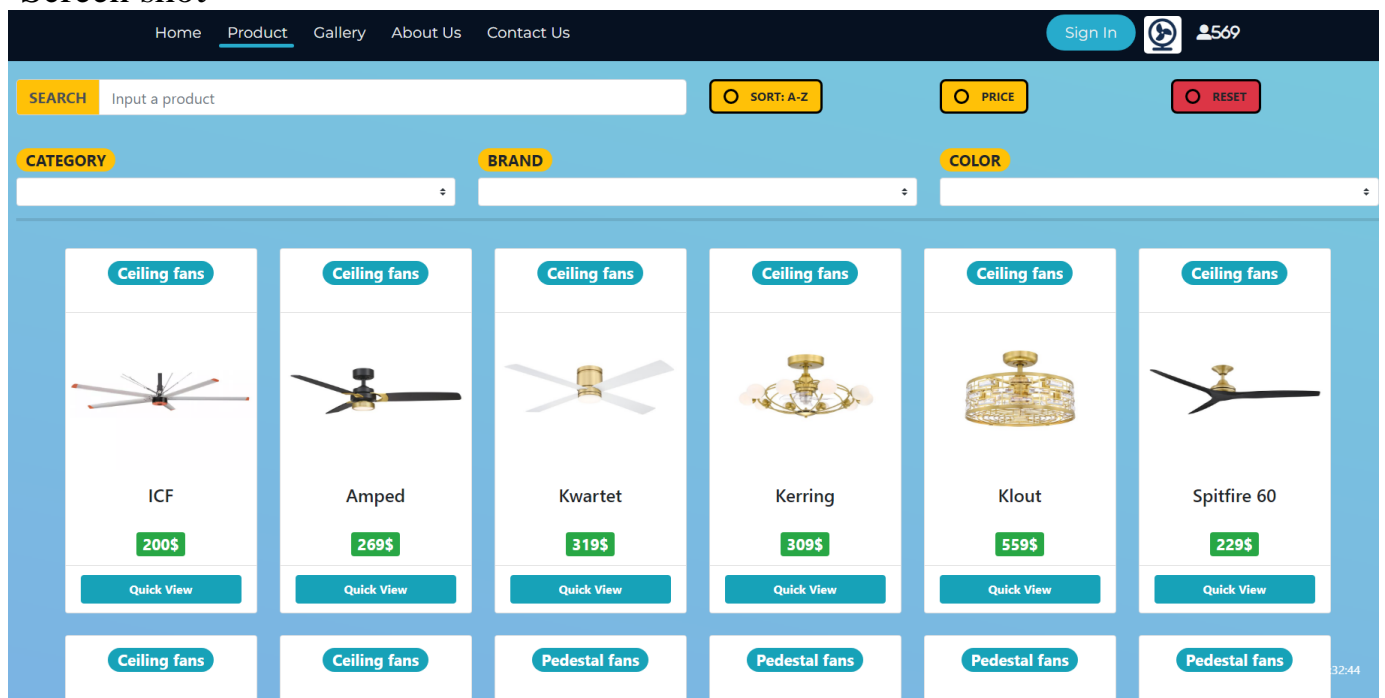
## 2. Product

### a. Description

This product page displays following information:

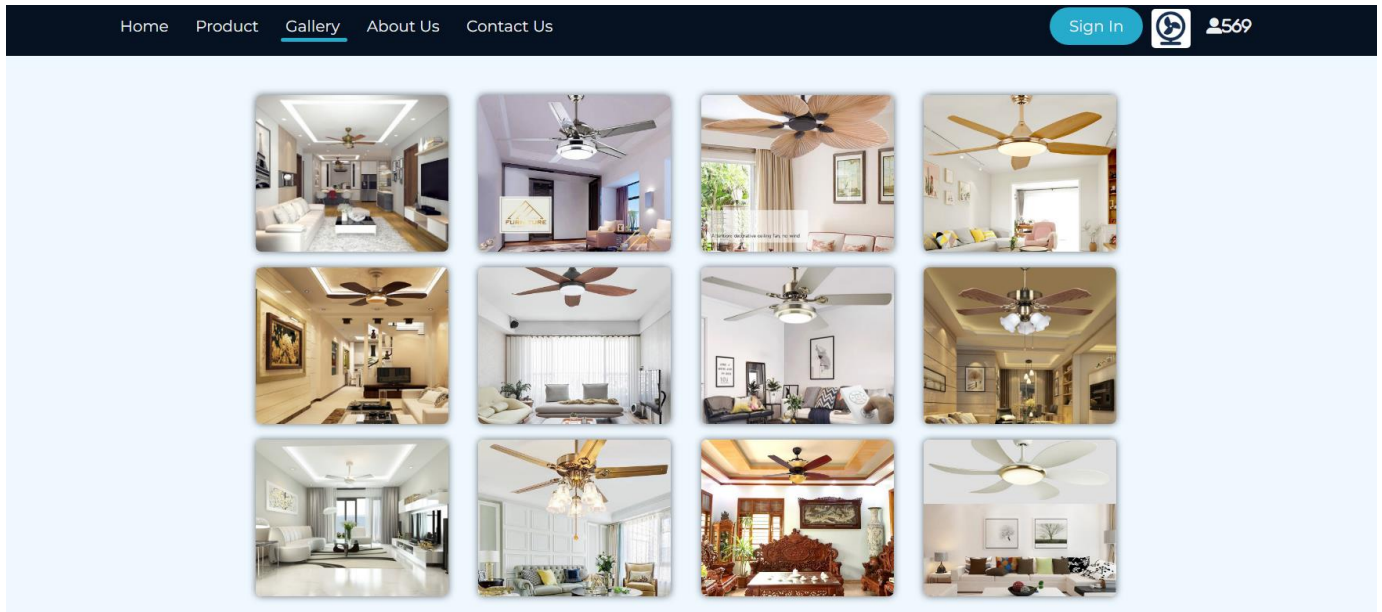
- All product that being sold at Hudson Furnishing (pedestal fan, ceiling fan, wall fan, exhaust fan), when click on quick view item, it will show the detail of that item.
- Products can be compared with products of the same category
  - Menu filter to easily find items based on categories.
  - Product can sort by price and by name.

### b. Screen shot



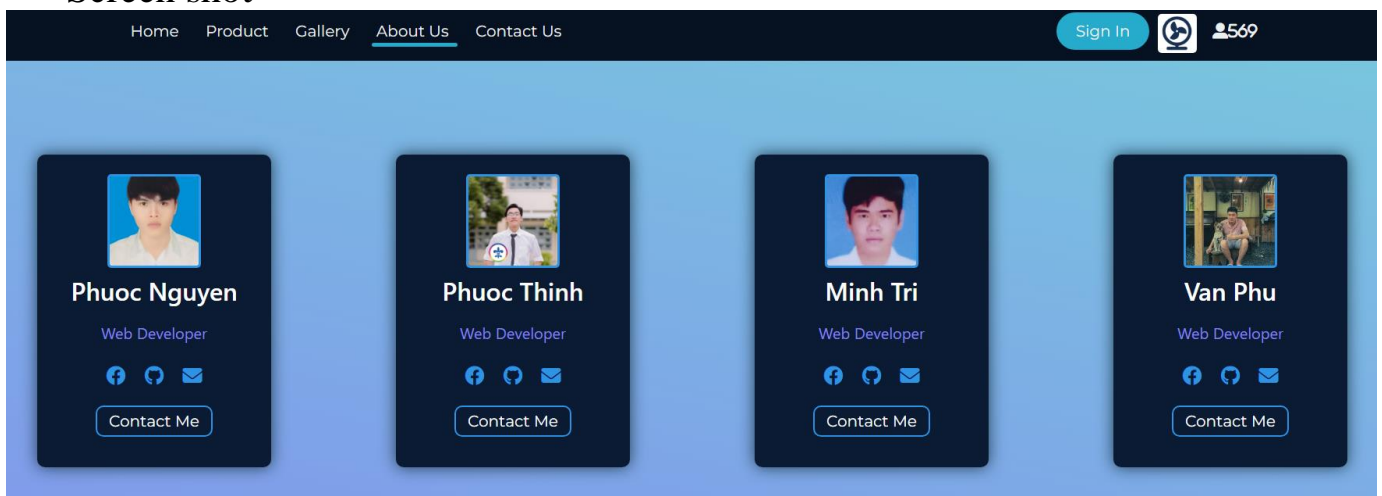
### 3. Gallery

- a. Description  
The blog page displays following information:  
- Art photo with fan.
- b. Screen shot



### 4. About Us

- a. Description  
- Display member.
- b. Screen shot



## 5. Contact Us

### a. Description

This page displays contact information: location, telephone number, email, a quick contact form for customer and FAQ's.

### b. Screen shot

**Send Messenger**

Name  
Your Name

Telephone  
Your Telephone

Email  
Your Email

Messenger  
Write your message here...

**SEND**

**Contact Info**

CMT8 Street District 3 HCM City

trinmts2205014@fpt.edu.vn

+84 234 567 890

f t i n

**FAQ's**

What is your return policy?

Do you issue a prepaid card to be used as an alternative to cash when making purchases in your store?



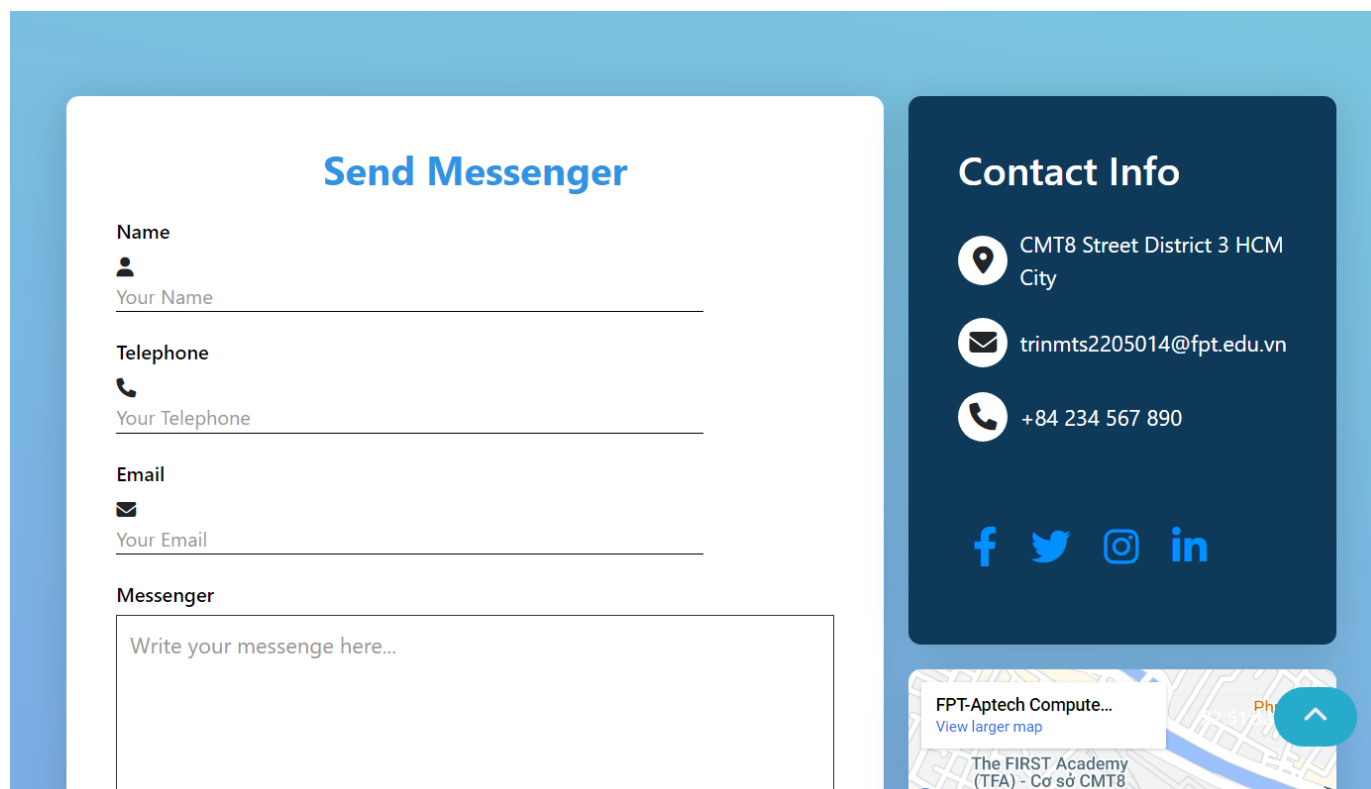
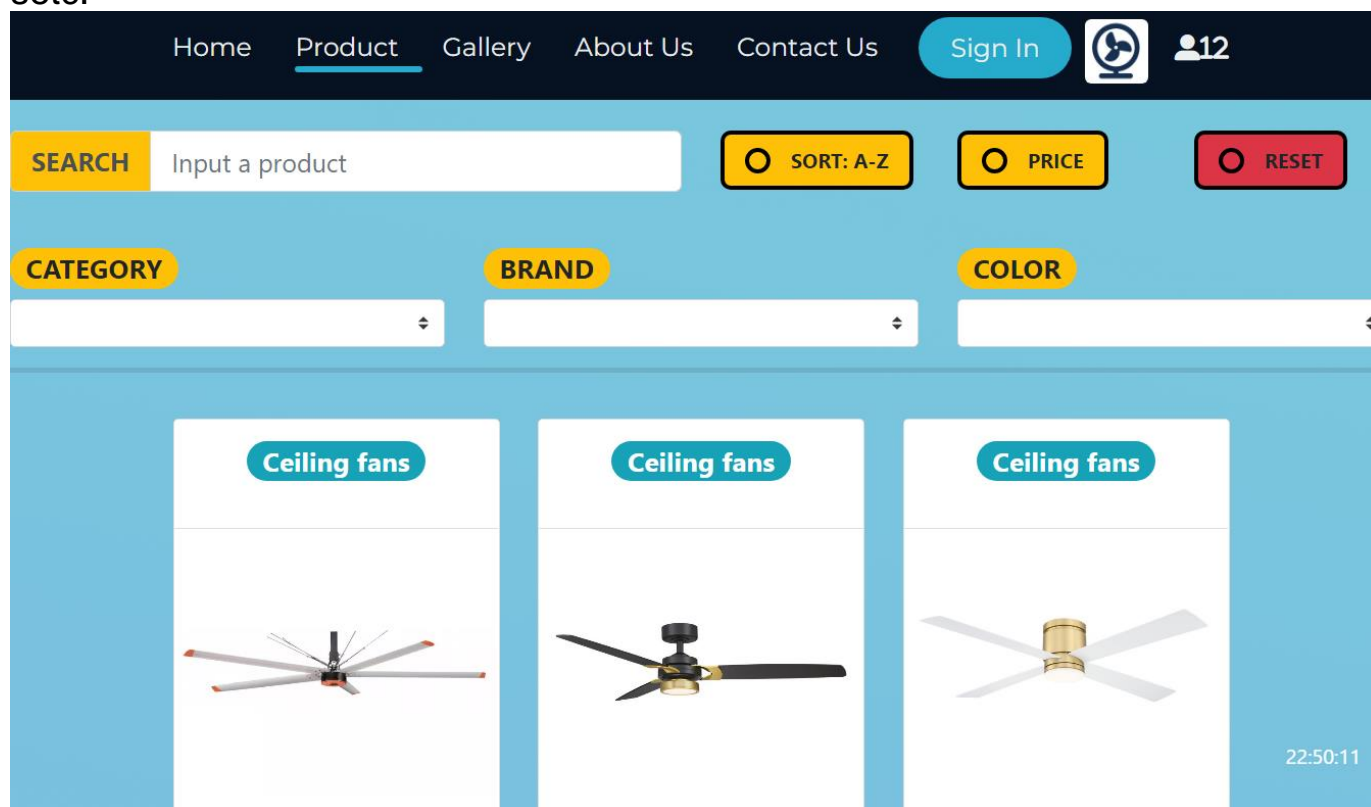
## 6. Login/ Register

- a. Description
  - Form sign in, sign up
- b. Screen shot

The screenshot displays the Hudson Furnishing website's login and registration interface. The top navigation bar includes links for Home, Product, Gallery, About Us, and Contact Us, along with a Sign In button and a user profile icon showing 570 items. The main content area features two white forms on a light blue background. The 'Sign In' form on the left has fields for Name, Username\*, Password, and Password\*, with a LOGIN button. The 'Sign Up' form on the right has fields for Username\*, Email\*, Password\*, and Retype Password\*, with GỬI and RESET buttons. The footer contains four columns: Company (Home, Product, Gallery, About us, Contact us), Get Help (FAQ, Shipping, Returns, Order status, Payment options), Online Shop (Ceiling fans, Pedestal fans, Wall fans, Exhaust fans), and Follow Us (Facebook, Twitter, Instagram, LinkedIn). A date and time display shows Monday, 9 19 2022, 9:42:17 AM, and a small timestamp 09:42:16 is visible in the bottom right corner.

## RESPONSIVE

The page has responsive feature for small screen device such as tablet, setc.





## JAVASCRIPT DESCRIPTION

### 1. Visit Count

#### a. Description:

- It will appear the number of clients visiting the website.

#### b. Code:

```
// VisitCount
var counterContainer = document.querySelector(".website-counter");
var resetButton = document.querySelector("#reset");
var visitCount = localStorage.getItem("page_view");

if (visitCount) {
    visitCount = Number(visitCount) + 1;
    localStorage.setItem("page_view", visitCount);
} else {
    visitCount = 1;
    localStorage.setItem("page_view", 1);
}
counterContainer.innerHTML = visitCount;
```

### 2. Home-time footer

#### a. Description:

- Real time in the footer

#### b. Code:

```
//home-time footer
function clock() {
    var dateTime = new Date();
    var daynum = dateTime.getDay(),
        day = dateTime.getDate(),
        mon = dateTime.getMonth() + 1,
        year = dateTime.getFullYear(),
        hou = dateTime.getHours(),
        min = dateTime.getMinutes(),
        sec = dateTime.getSeconds();

    if (hou == 0) {
        hou = 12;
    }
    if (hou > 12) {
        hou = hou - 12;
        document.getElementById('period').innerHTML = "PM";
    }
}
```

```
switch (daynum) {
    case 0:
        daynum = "Sunday";
        break;
    case 1:
        daynum = "Monday";
        break;
    case 2:
        daynum = "Tuesday";
        break;
    case 3:
        daynum = "Wednesday";
        break;
    case 4:
        daynum = "Thursday";
        break;
    case 5:
        daynum = "Friday";
        break;
    case 6:
        daynum = "Saturday";
        break;
}

document.getElementById("daynum").innerHTML = daynum;
document.getElementById("day").innerHTML = day;
document.getElementById("month").innerHTML = mon;
document.getElementById("year").innerHTML = year;
document.getElementById("hour").innerHTML = hou;
document.getElementById("minutes").innerHTML = min;
document.getElementById("seconds").innerHTML = sec;
}

setInterval(clock, 10);

function initclock() {
    clock();
    window.setInterval("clock()", 1)
}
```

### 3. Scroll start

#### a. Description:

- Real-time scroll to top button.

#### b. Code:

```
// scroll start
var mybutton = document.getElementById("myBtn");
window.onscroll = function () { scrollFunction() };

function scrollFunction() {
    if (document.body.scrollTop > 20 || document.documentElement.scrollTop > 20) {
        mybutton.style.display = "block";
    } else {
        mybutton.style.display = "none";
    }
}

function topFunction() {
    document.body.scrollTop = 0;
    document.documentElement.scrollTop = 0;
}
```

### 4. Faq effect

#### a. Description:

- The answer opening and closing effect.

#### b. Code:

```
<script>
    const faqs = document.querySelectorAll(".faq");

    faqs.forEach(faq => {
        faq.addEventListener("click", () => {
            faq.classList.toggle("active")
        })
    })
</script>
```

## V

VV