



FPT ACADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

Centre Name: ACE-HCMC-2-FPT.

Address: 590 Cach Mang Thang 8, District 3, Ho Chi Minh City, Viet Nam.

BLOOMING PETALS

Supervisor:	PHAM THI LANH	
Batch No:	T1.2103.M0	
Group No:	6	
Order:	Full name	Roll No.
1.	NGUYEN HOANG TAN	Student1312095
2.	NGUYEN THANH HAI	Student1312086
3.	VAN DINH THANH	Student1312092

Month 06 Year 2021

This is to certify that

- 1. NGUYEN HOANG TAN**
- 2. NGUYEN THANH HAI**
- 3. VAN DINH THANH**

Has successfully Designed & Developed

BLOOMING PETALS

Submitted by:

Pham Thi Lanh

Date of issue:

Authorized Signature:

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I also express my sincere thanks to the e-Projects Team at the Aptech Head Office and my project guide at the organization, for her valuable guidance and support for the completion of this project.

And finally, I would like to give my appreciations to all my colleagues for their valuable suggestions and constructive feedback.

SYNOPSIS

“Blooming Petals” sells various types of flowers and floral decorations. 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.

REVIEW 1

1. REQUIREMENT SPECIFICATION

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

- 1.1** The Home Page should be created with sections, graphics and with a suitable logo.
- 1.2** Home Page should contain details of different flowers/floral decors with suitable images.
- 1.3** The site should display a menu which will contain the options for brief introduction about the various floral themes/decorations available, location of the shop and any other information if required.
- 1.4** The information about products should be presented in two ways:
 - 1.4.1** Information should be available category wise, wherein user can click on a particular category and should be able to view all the products related to the category available with complete information., e.g. Category can be "Birthdays", "Anniversaries", "marriages" etc. with suitable sub-categories been defined.
 - 1.4.2** Information should be categorized according to the type of flowers like if a User wants to see only "Rose decors" or any other particular flower products then he/she can click on a Link/button/menu i.e., and can see only that products.
- 1.5** When a user selects any particular flower, a list of products for that brand will be displayed
- 1.6** A brief summary of individual products should be displayed on the Web Page along with the product but detailed Features should be stored in Individual Word documents which can be downloaded or viewed by the User who wishes to see the same.
- 1.7** The user should also be able to compare the various products of different as well as similar categories.
- 1.8** There should be a "Contact Us" page which have the Address of the Company with location displayed using Geolocation API (e.g. Google Maps) and the mail address, which, when clicked, launches the local mail box, from which they may send an email

2. PROBLEM DEFINITION

After reading the project specifications, the developer states the scope of the project very briefly. This is referred to as the problem definition. Queries of various staff members can be one or all of the following:

- a) How many products can be displayed on Homepage at a time?
- b) What information should be displayed about each product in Homepage?
- c) Will users be able to contact shop when they need Flower?
- d) Will the users be able to feedback their opinions?
- e) Will the users be able to question about shop's product or services?

After consulting with several IT companies and considering budget constraints, Blooming Petals' management decided to launch the Web application as a single page responsive Web application using HTML5, CSS3, JavaScript, Geolocation API, Web Storage, and Bootstrap 4, jQuery plugins, VS Code, or another HTML editor. Furthermore, the site will be tested using standard browsers as well as mobile emulation software.

3. CUSTOMERS REQUIREMENT SPECIFICATIONS (CRS)

3.1 Client: Blooming Petals.

3.2 Objectives:

- Provide a website to display information about products (flowers/floral decors) categorizing product information according to flower type, goods (floral decors) and Occasions.
- The website should have soothing color with proper logo and images.
- A main menu must have: Home, About us, Products (with Submenu), Contact, Icon Cart, Login/Register.
- A brief summary of individual products should be displayed on the Web Page along with the product but detailed Features should be stored in Individual Word documents which can be downloaded or viewed by the User who wishes to see the same.
- If users wish to send us an email or look for our physical location, users should be able to do so in "Contact" page.

3.3 Inputs provided by clients:

- Click on clickable links from menu.
- Click to clickable links/images in "Products" or "Categories".
- Click "Compare" buttons for comparison between different products.
- Click "Download" buttons for downloading doc documents from website of Blooming Petals.
- Feedback form to send us email.

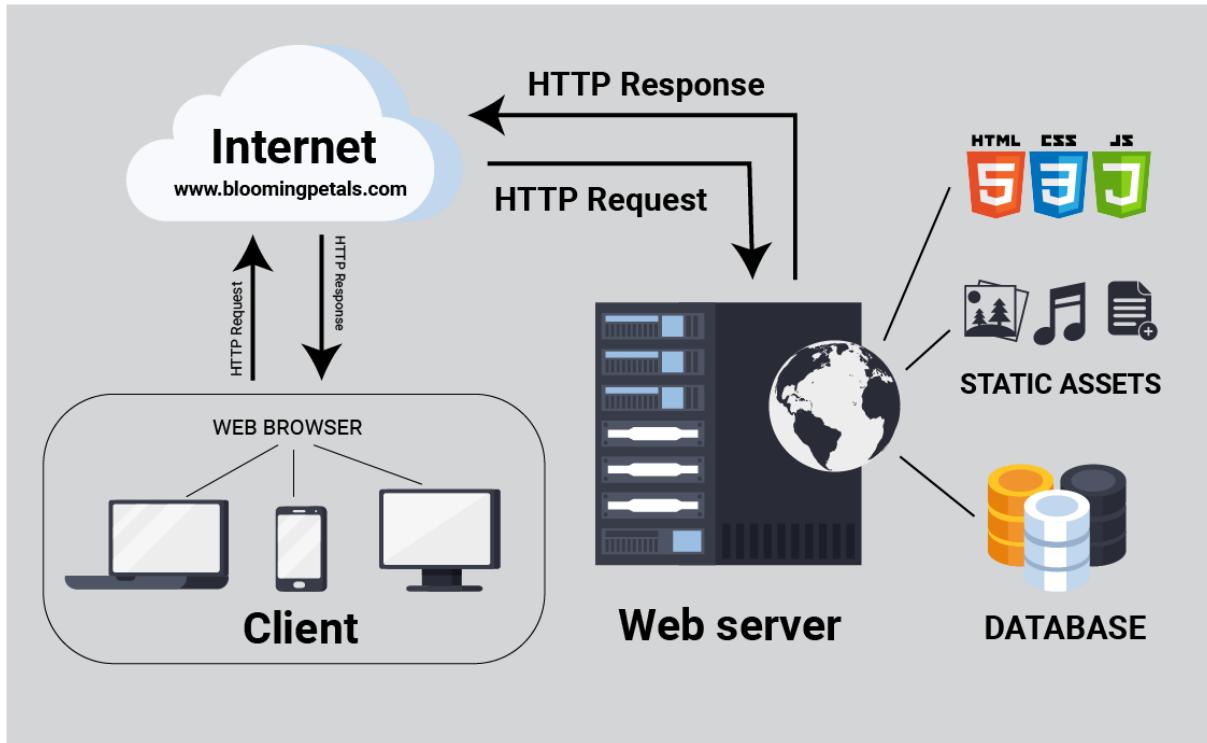
3.4 Hardware Requirement:

- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
- 64 Megabytes of RAM or better

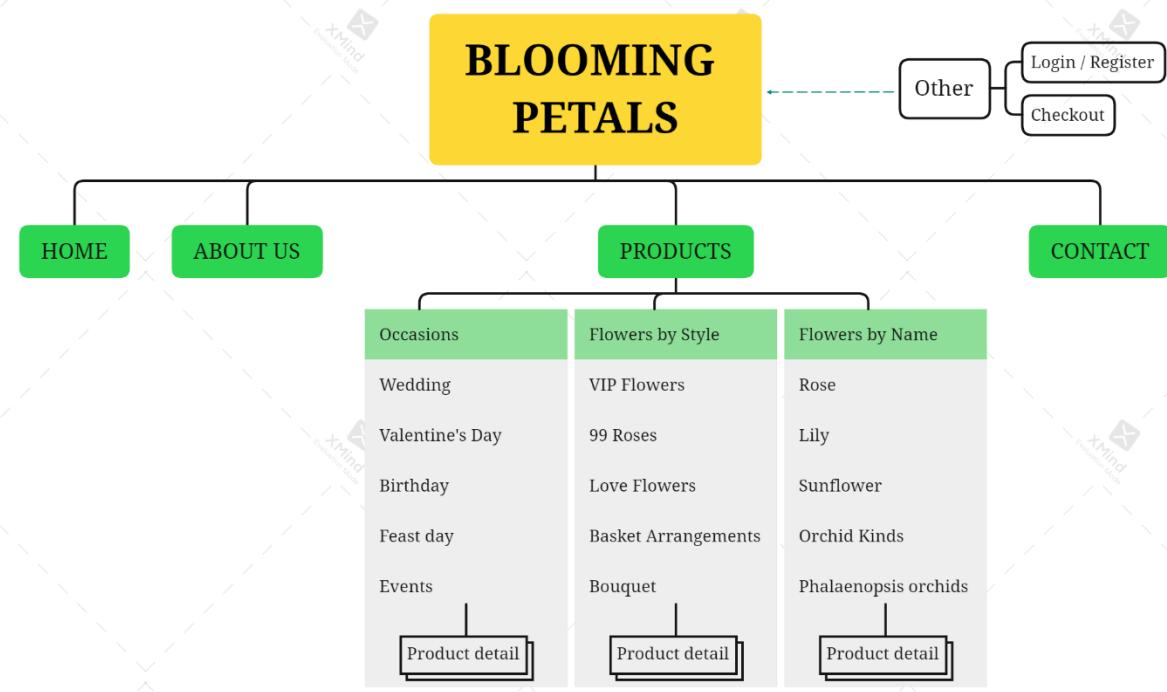
3.5 Software Requirement:

- Window 7/10 OS or higher
- HTML5/CSS/JS supporting browsers
- Visual Studio Code.
- Bootstrap 4
- JQuery
- HTML editor (VS Code, Notepad++, Sublime Text, etc.).

4. ARCHITECTURE & DESIGN OF THE SYSTEM



5. SITEMAP



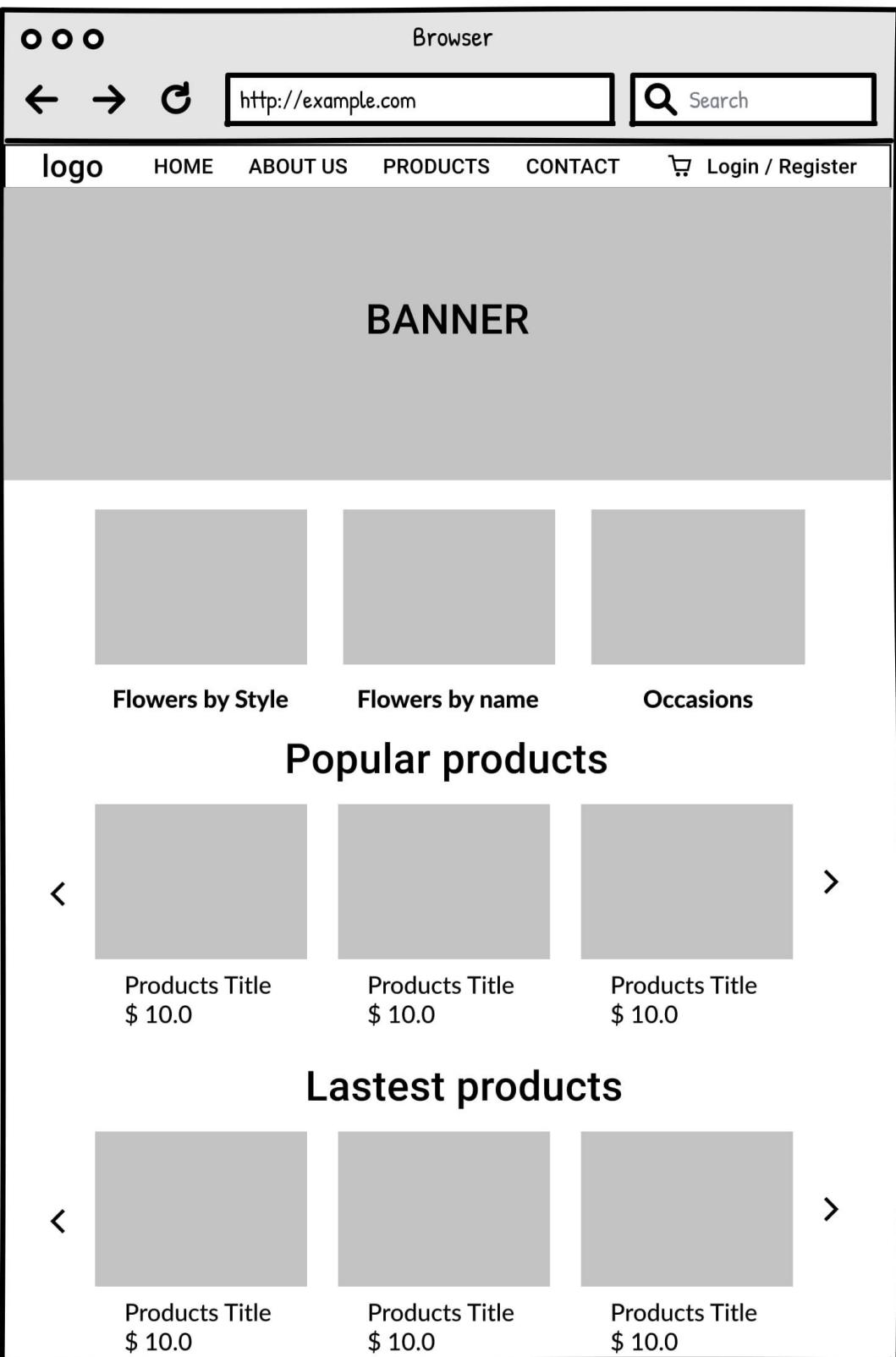
6. WEBSITE LAYOUTS

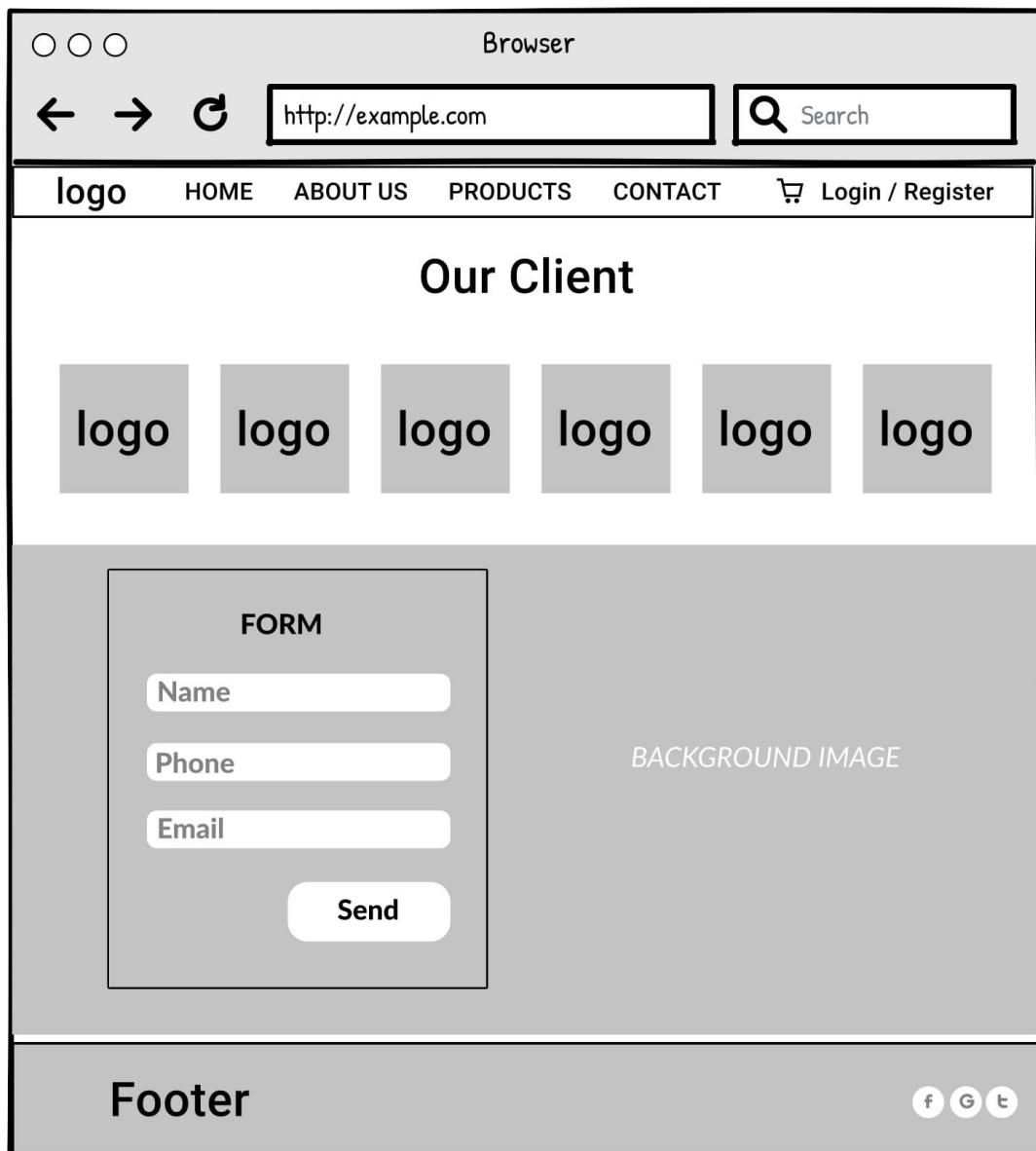
The website layout is designed in a simple, elegant and sophisticated style. The content is displayed systematically in order to easily provide information to the user. The website layout is responsive with PC, Laptop, mobile devices and tablets. Main page includes Home, About Us, Product Categories, Product details and Contact page.

6.1 Home Page

The homepage shows the following contents:

- The Top navigation bar include: Logo, main menu, cart icon and login/register link. It's sticky when scroll.
- Banner with large title for a short introduction to Blooming Petals.
- Main product categories with corresponding links when users click on
- The most popular products that are sold will show up as a slider.
- The latest products will be presented similarly.
- Logos of Blooming Petals' clients
- A newsletter form will be presented at the bottom of the page so that visitors elect to receive updates from Blooming Petals through email.
- The footer will display the Logo, quick links and social sharing icon.





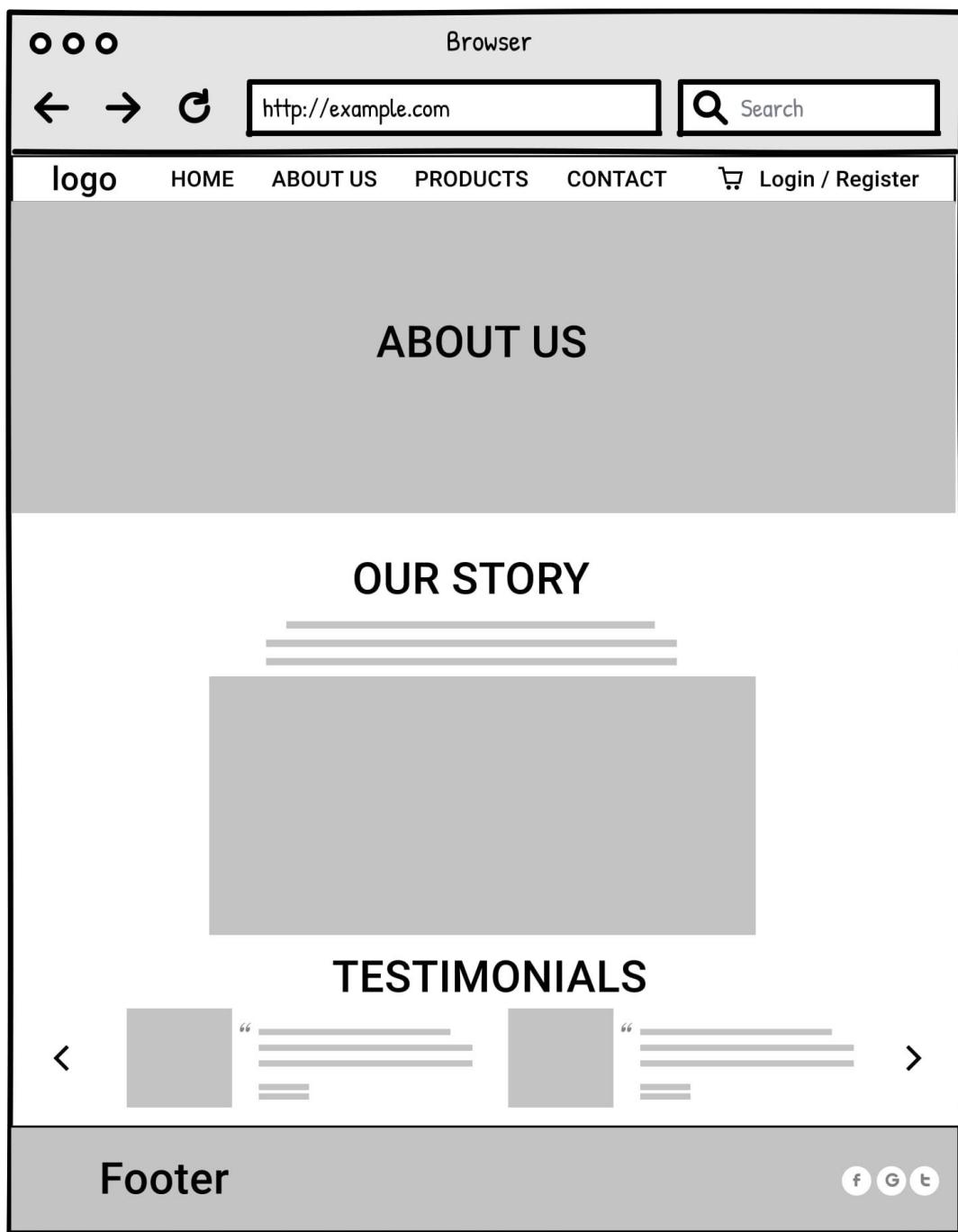
6.2 About us page

About us page presents the following content:

The story of Blooming Petals on process of starting and growing.

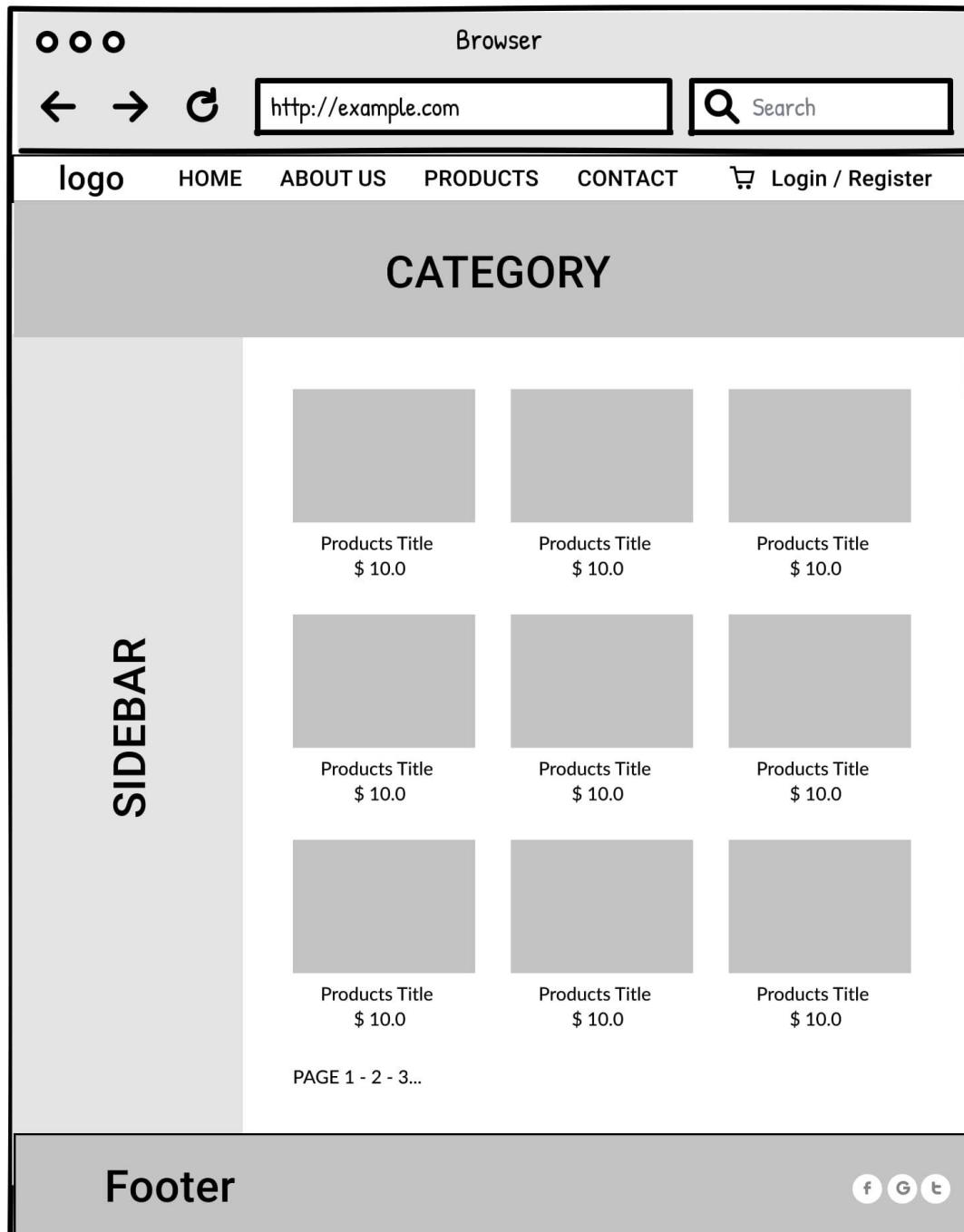
About the team that built a strong Blooming Petals.

Testimonials from customers who are very satisfied and leave honest and insightful comments.



6.3 Product category page

- Displays all products of the respective category, arranged to show 9 products consisting of 3 columns and 3 rows, if more will be split on the 2nd page.
- The sidebar will contain navigation links to other categories.



6.4 Product detail page

- Product details will be presented as follows:
- A large image of the product is on the left, the right will be the product name with the price, the Add to Cart button will be located below the product price, when the user clicks on "ADD TO CART", the product will be added to the cart and the quantity displayed on the cart icon on the menu bar.
- Next will be the content like: "Description", "Payment Method", "How to Order", "Review & Comment" will be displayed in tab style
- Finally, the "Related products" will be displayed as sliders.



6.5 Contact page

- The contact page will have a layout of 2 rows
- Row 1 divided into 2 columns including Blooming Petals contact information on the left, on the right will be a location map using Google Map API
- Row 2 is a Feedback form if customers want to rate or comment on Blooming Petals products and services.

Browser

← → ⌂ http://example.com Search

logo HOME ABOUT US PRODUCTS CONTACT Login / Register

CONTACT US

BLOOMING PETALS
Hotline: 1900 88 99
Email:
contact@bloomingpetals.com



Feedback

Yourname

Email

Comment

SEND

Footer

f g t

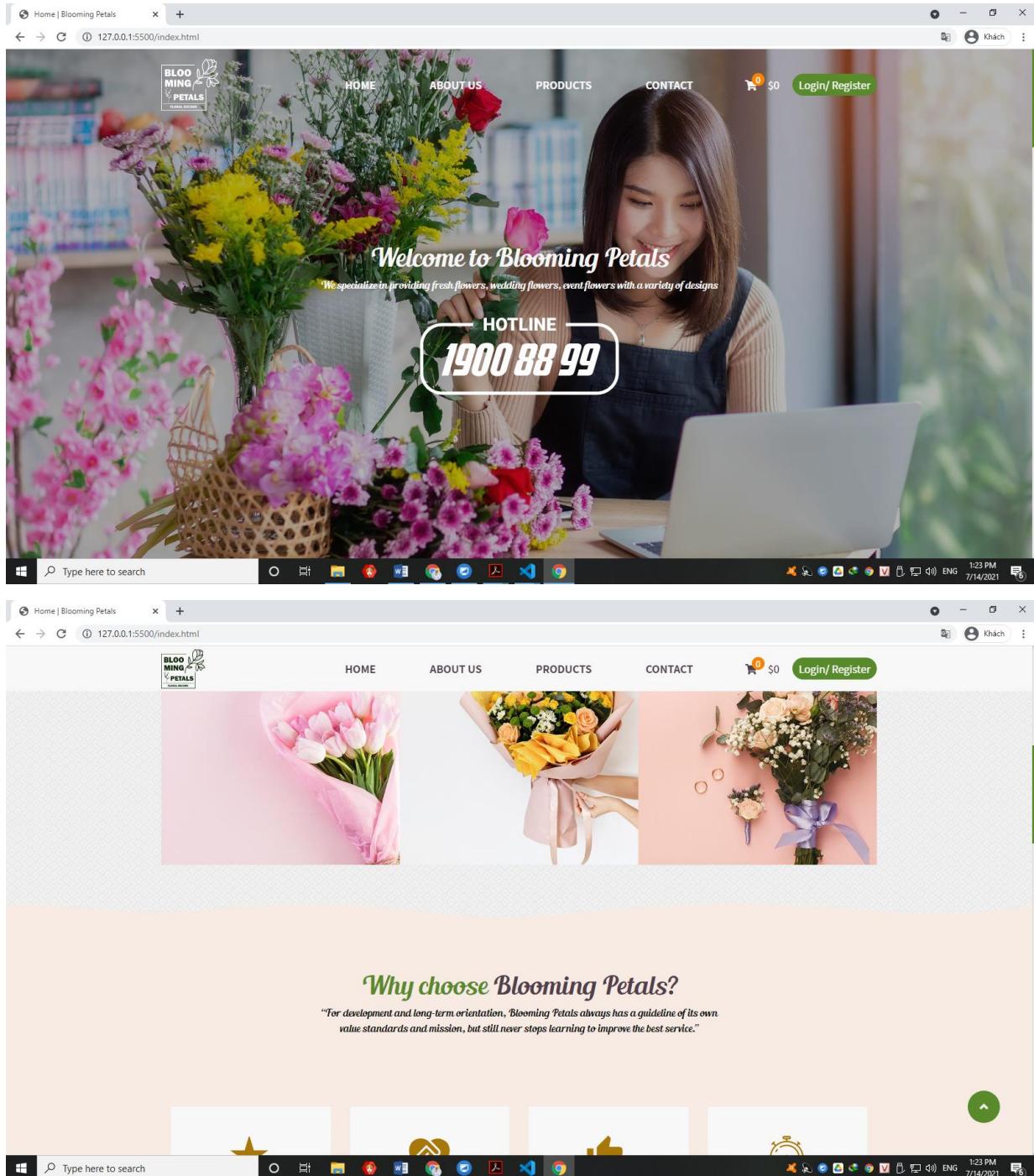
7. TASK SHEET 1

Project Ref. No.	Project Title	ACTIVITY PLAN PREPARED BY	DATE OF PREPARATION OF ACTIVITY PLAN			
			Actual Start Date	Actual Days	Team mate Names	Status
TASK						
Brainstorming ideas for layouts, and Project Objective	BLOOMING PETALS	TAN	12/06/2021	2	HAI, THANH	COMPLETE
Draw site maps and architecture design	BLOOMING PETALS	THANH	14/06/2021	1	THANH	COMPLETE
Wire framing general page layout and design UI.	BLOOMING PETALS	TAN	15/06/2021	4	TAN	COMPLETE
Collect static assets (pictures, mp4, documentation)	BLOOMING PETALS	HAI	14/06/2021	5	THANH, TAN	COMPLETE
Write project report Review 1	BLOOMING PETALS	THANH	17/06/2021	2	THANH	COMPLETE

REVIEW 2

8. PROJECT SNAPSHOTS

8.1 Home Page



YouTube (384) VÀCH NGỌC NGÀ - AI | SETUP suite - Google Drive | Thẻ mới | Home | Blooming Petals | +

Úng dụng | branding, packagin... | CodingUI - Just a si... | Create a palette - C... | Free Vector Line Ico... | Add to Cart Interact... | eCommerce Filters... | Getlink shutterstock | Link Tài Game | Dấu trang khác | Danh sách đọc

BLOOMING PETALS

HOME ABOUT US PRODUCTS CONTACT \$ Login/Register

Why choose Blooming Petals?

"For development and long-term orientation, Blooming Petals always has a guideline of its own value standards and mission, but still never stops learning to improve the best service."

Best Service
We have a skilled team and always keep up with new trends in decoration

Always Dedicated
We believe that dedication will bring trust and confidence from customers

Top Reputation
Prestige is the decisive factor to help us develop and have many customers

True Commitment
Time is an important principle that makes the reputation of Blooming Petals

1:24 PM 7/14/2021 ENG

Windows Type here to search | O | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | 1:24 PM 7/14/2021 ENG

YouTube (384) Đường Tối Chợ Em Về | SETUP suite - Google Drive | Thẻ mới | Home | Blooming Petals | +

Úng dụng | branding, packagin... | CodingUI - Just a si... | Create a palette - C... | Free Vector Line Ico... | Add to Cart Interact... | eCommerce Filters... | Getlink shutterstock | Link Tài Game | Dấu trang khác | Danh sách đọc

BLOOMING PETALS

HOME ABOUT US PRODUCTS CONTACT \$ Login/Register

Popular Products

Vip flower bouquet in Hochiminh online
\$80

Lastest Products

Windows Type here to search | O | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | 1:25 PM 7/14/2021 ENG

The screenshot shows a website with a yellow header bar. At the top, there is a navigation menu with links for HOME, ABOUT US, PRODUCTS, and CONTACT. To the right of the menu is a shopping cart icon and a 'Login/Register' button. Below the menu, the text 'Our Clients' is displayed in green. A grid of six client logos is shown, including 'THE REAL LIFE COMPANY', 'APAX FRANKLIN', 'globalart', 'SCB NGÂN HÀNG SÀI GÒN', 'MB', and 'NAVIGOS GROUP'. The background of the page is white.

The screenshot shows a website with a black footer section. On the left, there is a logo for 'BLOOMING PETALS FLORAL DECORS'. In the center, there is a 'Contact' section with three icons: a location pin, a phone, and an envelope, followed by the address '351 Hoang Sa Street, Tan Dinh Ward, District 1, HCMC.', the phone number '1900 88 99', and the email 'contact@bloomingpetals.com'. To the right, there is a 'Helps' section with links to 'Privacy Policy', 'FAQ', 'How to order', 'Return and Refund Policy', and 'Delivery Information'. At the bottom of the page, a dark purple footer bar contains the text 'Copyright © 2021 Blooming Petals. All Rights Reserved' and social media icons for Facebook, Twitter, Pinterest, and Email. The background of the page is white.

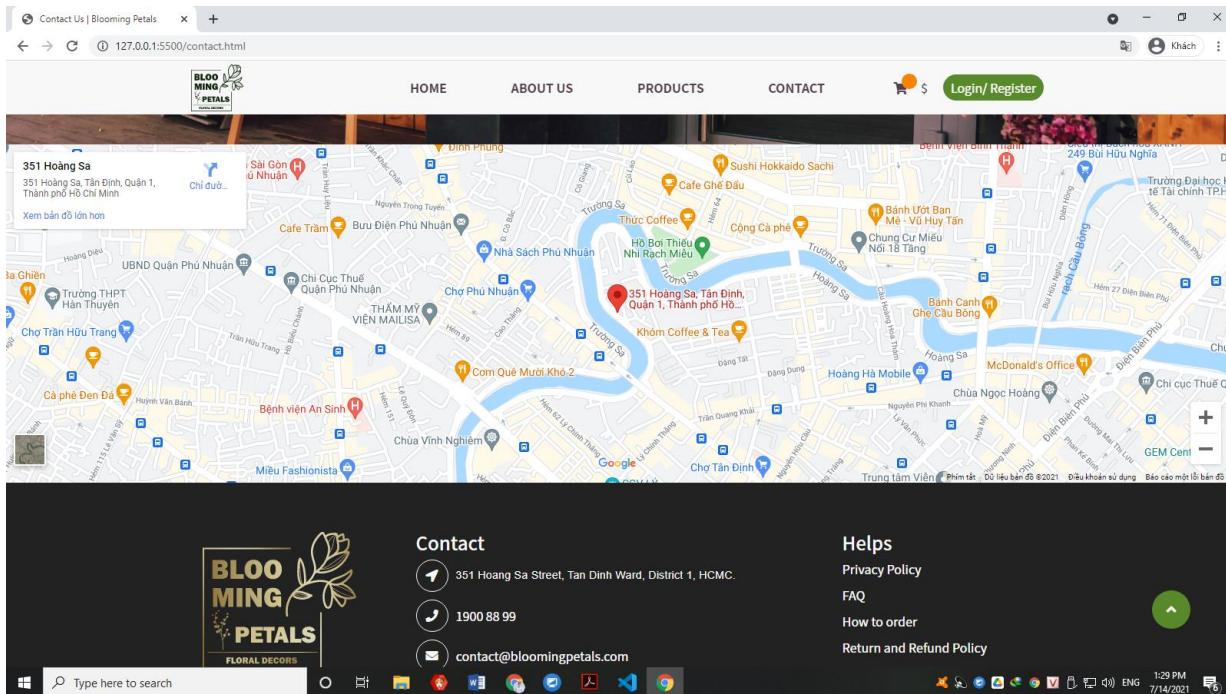
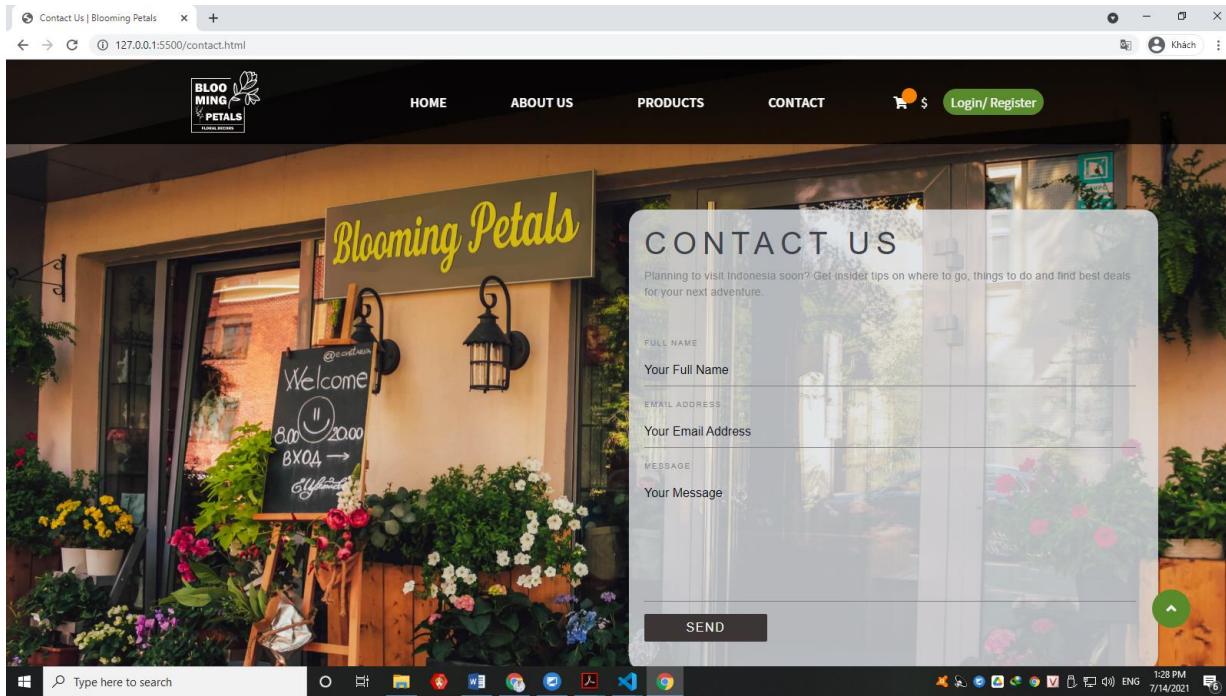
8.2 About Us

The screenshot shows the 'About Us' page of the Blooming Petals website. At the top, there's a navigation bar with links for HOME, ABOUT US, PRODUCTS, and CONTACT, along with a shopping cart icon and a 'Login/Register' button. Below the navigation is a section titled 'Our Story' with a quote: "'Start with simple thoughts but bring great faith Blooming Petals has been built and constantly changed but still retains the original value.'". A photograph of a smiling florist working with flowers is displayed. The bottom of the page includes a Windows taskbar with various pinned icons and a system tray showing the date and time.

8.3 Products

The screenshot shows the 'All Products' page of the Blooming Petals website. It features a sidebar with categories like 'Occasions' (Wedding, Valentine's day, Birthday, Feast day, Events), 'Flowers by Style', and 'Flowers by Name'. The main content area displays six flower arrangements in a grid format. Each item includes a thumbnail image, a description, and a price. For example, the first item is '99 red roses with baby breathes' priced at \$460, and the second is 'Roses basket delivery to Vietnam' priced at \$103. Each product listing also has an 'Add to cart' button. The bottom of the page includes a Windows taskbar with various pinned icons and a system tray showing the date and time.

8.4 Contact



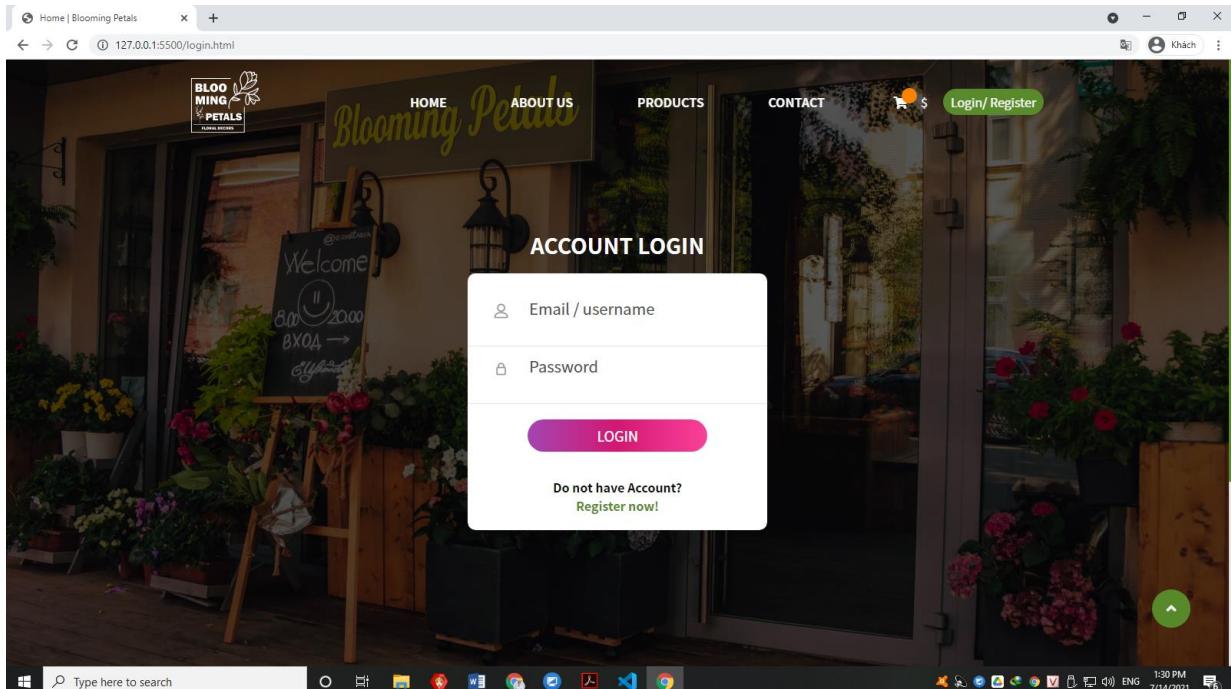
8.5 Product Details

The screenshot shows a product details page for a bouquet of red roses. The main image features a large, round bouquet of red roses with greenery. The price is listed as \$99. The page includes a 'Reviews' section with a 5-star rating and 39 reviews, and a 'How to Order' section. A sidebar on the right shows a close-up of a flower.

8.6 Register

The screenshot shows a registration form overlay on a website for 'Blooming Petals'. The overlay has fields for 'User name', 'Email', 'Password', and 'Confirm password', with a 'REGISTER' button at the bottom. The background shows a photograph of a flower shop storefront.

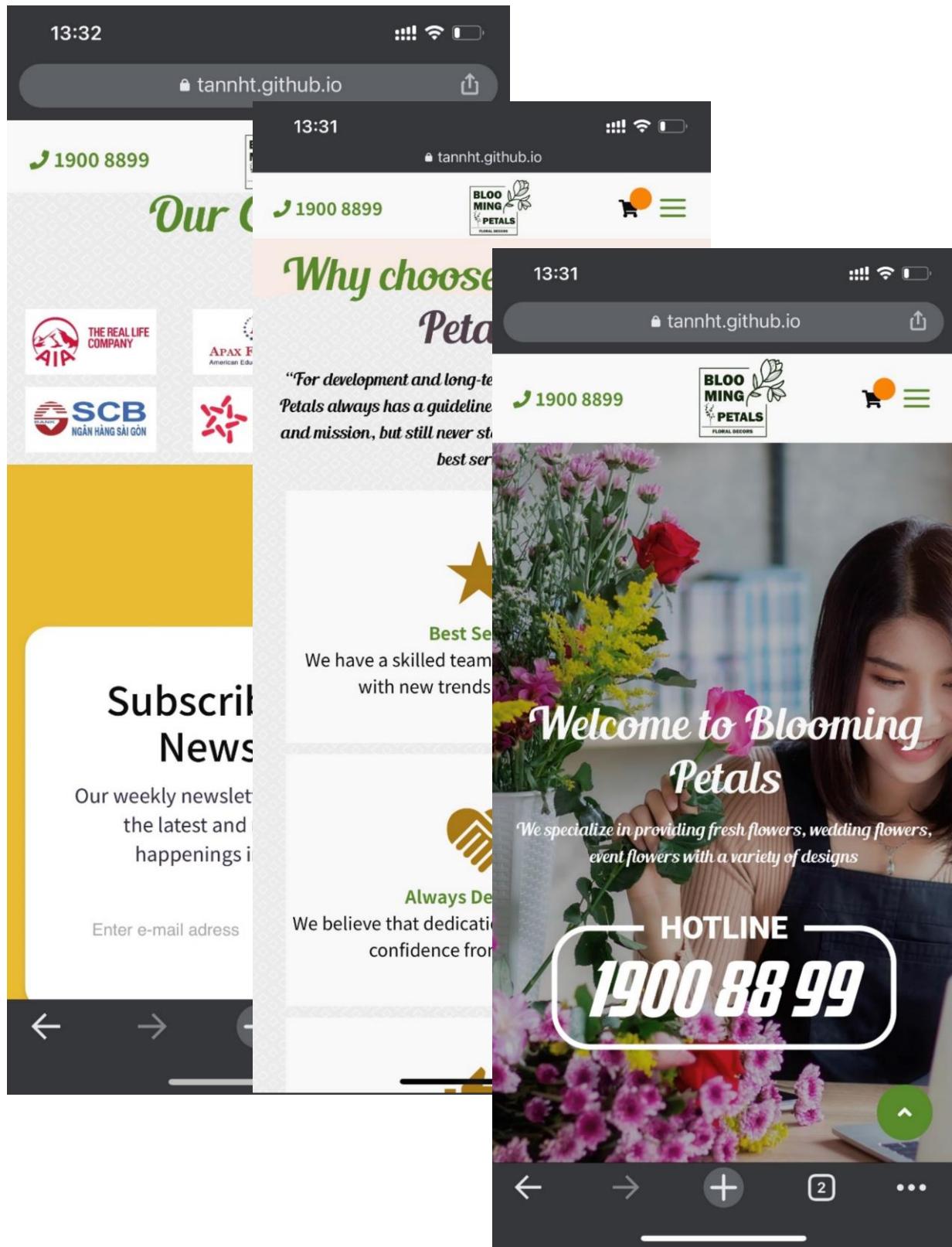
8.7 Login

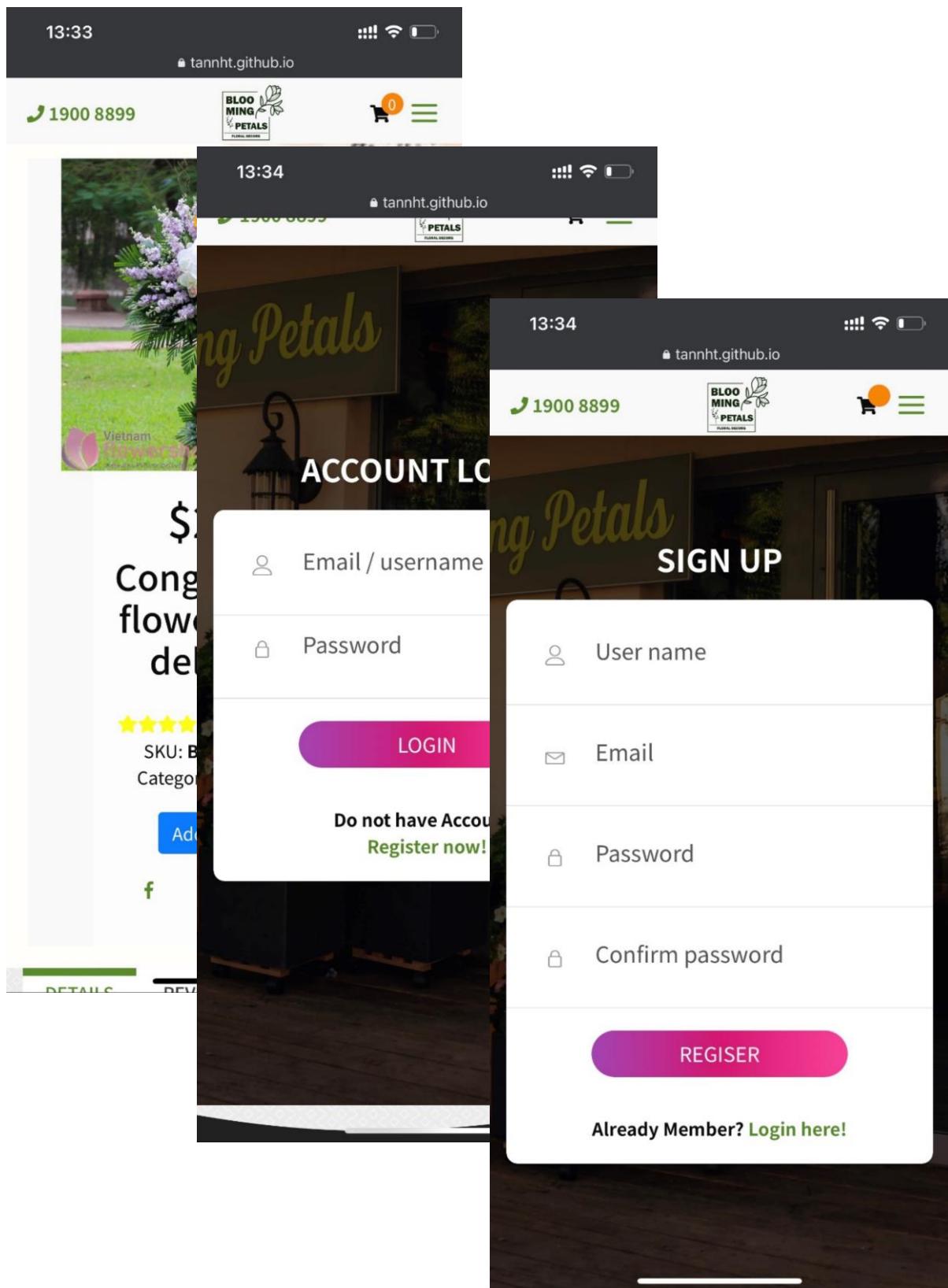


8.8 Checkout Page

A screenshot of a web browser showing the 'Check Out' page for 'Blooming Petals'. The background is a photograph of a flower shop storefront. The page includes sections for 'SHIPPING INFO' (Your Name, Your Email, Your Phone) and 'YOUR BILLING' (a table of purchase items). The browser's address bar shows the URL '127.0.0.1:5500/checkout.html'. The taskbar at the bottom shows various open tabs and system icons.

8.9 Mobile interface





Screenshot 1: Contact Us Page

13:33 tannht.github.io

BLOOMING PETALS FLORAL DECORS

1900 8899

CONTACT US

Planning to visit Indonesia soon? Get insider tips on where to go, things to do and find best deals for your next adventure.

FULL NAME
Your Full Name

EMAIL ADDRESS
Your Email Address

MESSAGE
Your Message

SEND

Screenshot 2: Product Categories Page

13:33 tannht.github.io

BLOOMING PETALS FLORAL DECORS

1900 8899

Our Products

We Specialize In Providing Fresh Flowers, Event Flowers With A Difference

Screenshot 3: Contact Page

13:32 tannht.github.io

BLOOMING PETALS FLORAL DECORS

1900 8899

Contact

- 351 Hoang Sa Street, Tan Dinh Ward, District 1, HCMC.
- 1900 88 99
- contact@bloomingpetals.com

Helps

- Privacy Policy
- FAQ
- How to order
- Return and Refund Policy
- Delivery Information

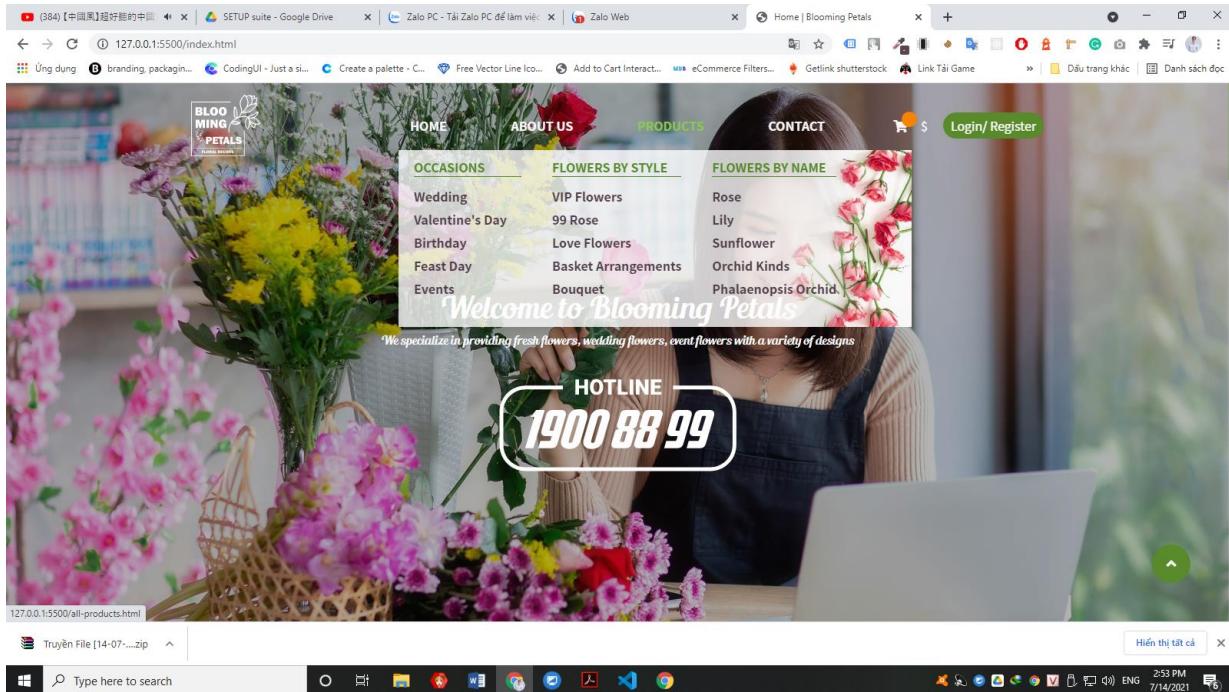
Copyright © 2021 Blooming Petals. All Rights Reserved.

[Facebook](#) [Twitter](#) [Instagram](#) [Email](#)

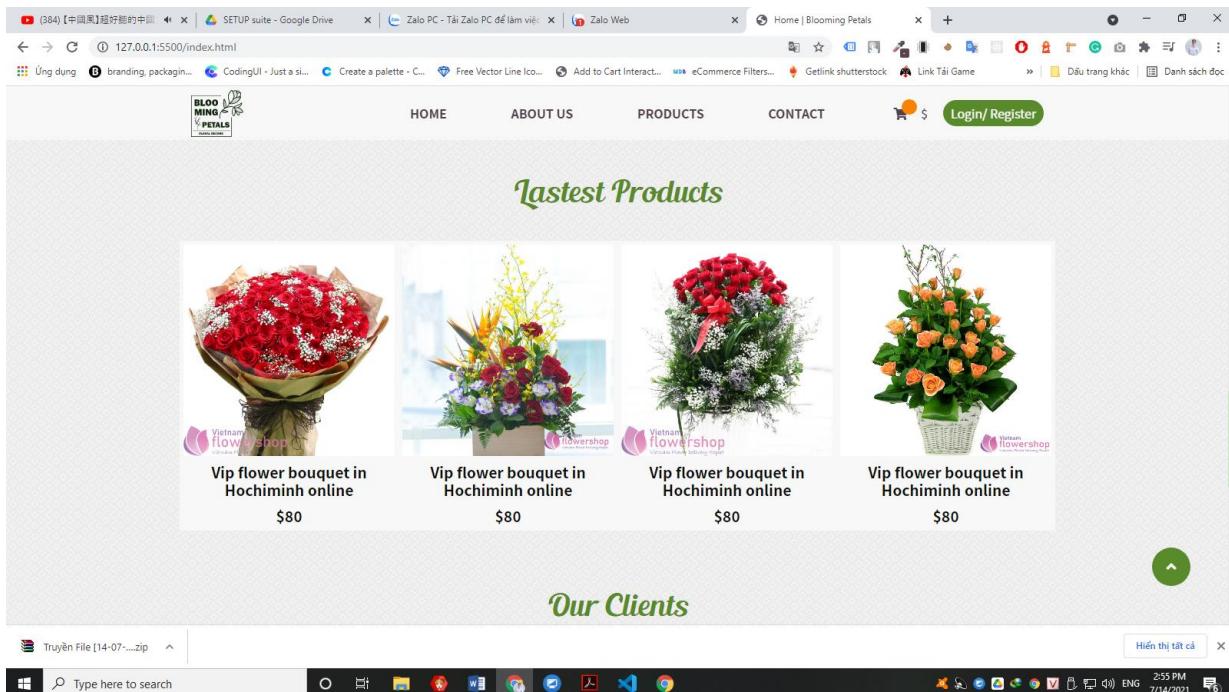
9. DEVELOPER'S GUIDE

Blooming Petals is built using Bootstrap 4.5 Framework, SCSS , Font Awesome 5, Jquery 3.6, Animation css. The Home Page template is the standard template with navigation bar on top, mobile side menu.

9.1 Menu



The mega menu will be shown when hovering the mouse to products link with animation effect.

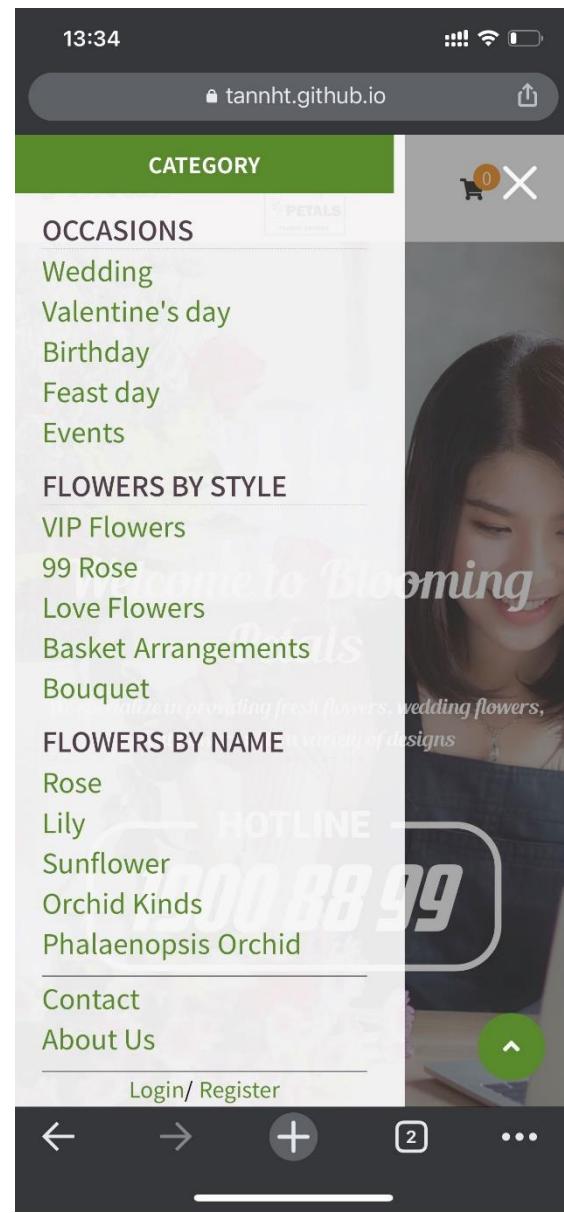
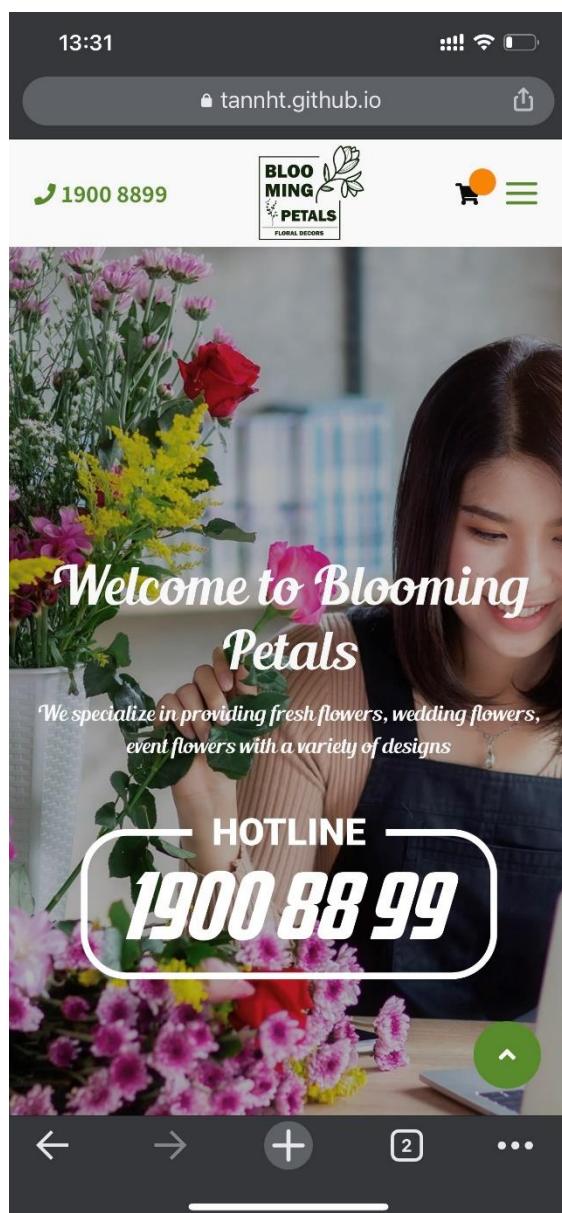


When scrolling down we have some effects such as a fixed menu on top, logo change color to brand color, to top button appear, custom scrollbar color.

JS Code:

```
$(window).scroll(function () {
    var scrollHeight = $(window).scrollTop();
    /* change Navbar style when scroll */
    if (scrollHeight > 0) {
        $('.navibar').addClass("scroll");
        $('#navmobile').addClass("scrolldown");
    } else {
        $('.navibar').removeClass("scroll");
        $('#navmobile').removeClass("scrolldown")
    };

    /* ScrollTop Button */
    if (scrollHeight > 500) {
        $('#to-top-btn').show();
    } else $('#to-top-btn').hide();
});
```



The menu icon will be shown when screen < 576px, when click to icon the side menu will appear with animation effect

SCSS code:

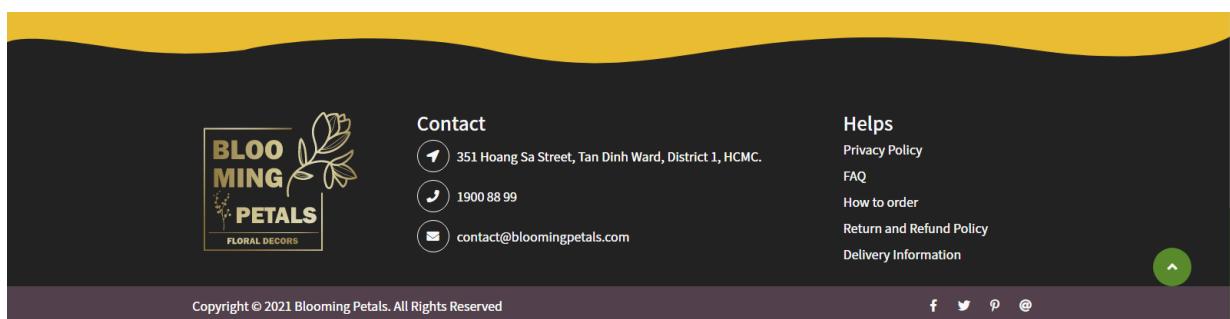
```
$title-font: 'SVN-Blenda Script';
$banner-height: 100vh;
/* Device Breakpoint */
$mobile-width: 576px;
$tablet-width: 768px;
$tablet-land-width: 1024px;
$desktop-width: 1366px;
$big-desktop-width: 1600px;
```

JS Code:

```
// SHOW / HIDE MOBILE MENU
function openMenu() {
    $('.mobile-menu_sidebar-menu').addClass("show");
    $('.nav-btn').css("opacity", 0);
}

function closeMenu() {
    $('.mobile-menu_sidebar-menu').removeClass("show")
    $('.nav-btn').css("opacity", 1);
}
```

9.2 Header & Footer



Header & Footer are two html files and auto-include to each page using JS function

HTML code:

```
<section id="header" data-name="home-page" class="light-menu" include-header="header.html">
</section>
<!-- BANNER -->

<section include-footer="footer.html"></section>
```

SCSS code:

```
/* PC NAVIGATION */
.navibar {
    .icon-cart {
        padding-top: 20px;
    }

    .account {
        border-radius: 20px;
        padding: 5px 10px;
        background: color(primary);
        color: ■#ffff;
        display: inline-block;
        margin-left: 20px;

        a {
            color: ■#ffff;
        }
    }

    @include flex-align-items-center;
    position: fixed;
    z-index: 999;
    width: 100%;
    justify-content: center;
    transition: all 0.5s 0s ease-out;
    left: 0;
}

&_inner {
    padding: 10px 0;
    width: 100%;
    justify-content: center;

    &_left,
    &_center,
    &_right {
        @include flex-align-items-center;
    }

    &_left {
        height: 90px;
        transition: all 0.5s 0s ease-out;

        .logo {
            background-image: url(..images/logo-dark.svg);
            content: '';
            background-position: center;
            background-repeat: no-repeat;
            background-size: contain;
            box-sizing: border-box;
            transition: all 0.5s 0s ease-out;
            width: 90px;
            height: 90px;
        }
    }
}
```

```
/* OPEN MEGA MENU */
.have-sub:hover .megamenu {
    display: flex !important;
    animation: fade-in-bottom 0.6s cubic-bezier(0.390, 0.575, 0.565, 1.000) both;
}

>ul {
    @include flex-align-items-center;
    justify-content: space-between;
    width: 100%;
```

JS code:

```
// define Header
function includeHeader() {
    var z, i, elmnt, file, xhttp;
    /*loop through a collection of all HTML elements*/
    z = document.getElementsByTagName("*");
    for (i = 0; i < z.length; i++) {
        elmnt = z[i];
        /*search for elements with a certain attribute*/
        file = elmnt.getAttribute("include-header");
        if (file) {
            /*make an HTTP request using the attribute value as the file name*/
            xhttp = new XMLHttpRequest();
            xhttp.onreadystatechange = function () {
                if (this.readyState == 4) {
                    if (this.status == 200) {
                        elmnt.innerHTML = this.responseText;
                    }
                    if (this.status == 404) {
                        elmnt.innerHTML = "Page not found.";
                    }
                    /*remove the attribute, and call this function once more*/
                    elmnt.removeAttribute("include-header");
                    includeHeader();
                }
            }
            xhttp.open("GET", file, true);
            xhttp.send();
            /*exit the function*/
            return;
        }
    }
}
```

9.3 Testimonials

What Our Client Say



Arden R.

"If you aren't sure, always go for floral. This is simply unbelievable! This is simply unbelievable!"



Mellicent P.

"No matter where you go, florist is the coolest, most happening thing around! It really saves me time and effort."



Sheppard I.

"Flowers was worth a fortune to my company. Flowers is the real deal!"

< >

On About us page, the testimonial will be shown as a carousel, we get data from the array function and render it to HTML.

HTML code:

```
<section id="testimonials" class="container-md">
  <div class="container-fluid px-3 px-sm-5 my-5 text-center">
    <h1 class="mb-5 font-weight-bold">What Our Client Say</h1>
    <div id="cus-slide" class="owl-carousel owl-theme">

    </div>
  </div>
</section>
```

CSS code:

```
75   height: 100px;
76   box-shadow: 0px 4px 8px 0px #BDBDBD
77 }
78
79 .owl-carousel .owl-nav button.owl-next,
80 .owl-carousel .owl-nav button.owl-prev {
81   background: 0 0;
82   color: #1E88E5 !important;
83   border: none;
84   padding: 5px 20px !important;
85   font: inherit;
86   font-size: 50px !important
87 }
88
89 .owl-carousel .owl-nav button.owl-next:hover,
90 .owl-carousel .owl-nav button.owl-prev:hover {
91   color: #0D47A1 !important;
92   background-color: transparent !important
93 }
94 }
```

JS code:

```
//RENDER TESTIMONIALS
function customers(name, avartar, comment) {
    this.name = name
    this.avartar = avartar
    this.comment = comment
}
var CustomerData = [
    new customers(
        "Sheppard I.",
        "https://www.coolgenerator.com/Pic/Face//female/female20161025795220",
        "Flowers was worth a fortune to my company. Flowers is the real deal"
    ),
    new customers(
        "Diego X.",
        "https://www.coolgenerator.com/Pic/Face//male/male20161083813562042",
        "This is simply unbelievable! Florist was worth a fortune to my comp"
    ),
    new customers(
        "Emilia Q.",
        "https://www.coolgenerator.com/Pic/Face//female/female1021850105805",
        "It really saves me time and effort. florist is exactly what our bus"
    ),
    new customers(
        "Arden R.",
        "https://www.coolgenerator.com/Pic/Face//male/male20161086449342255",
        "If you aren't sure, always go for floral. This is simply unbelievab"
    ),
    new customers(
        "Mellicent P.",
        "https://i.pravatar.cc/150?img=41",
        "No matter where you go, florist is the coolest, most happening thin"
    )
]
```

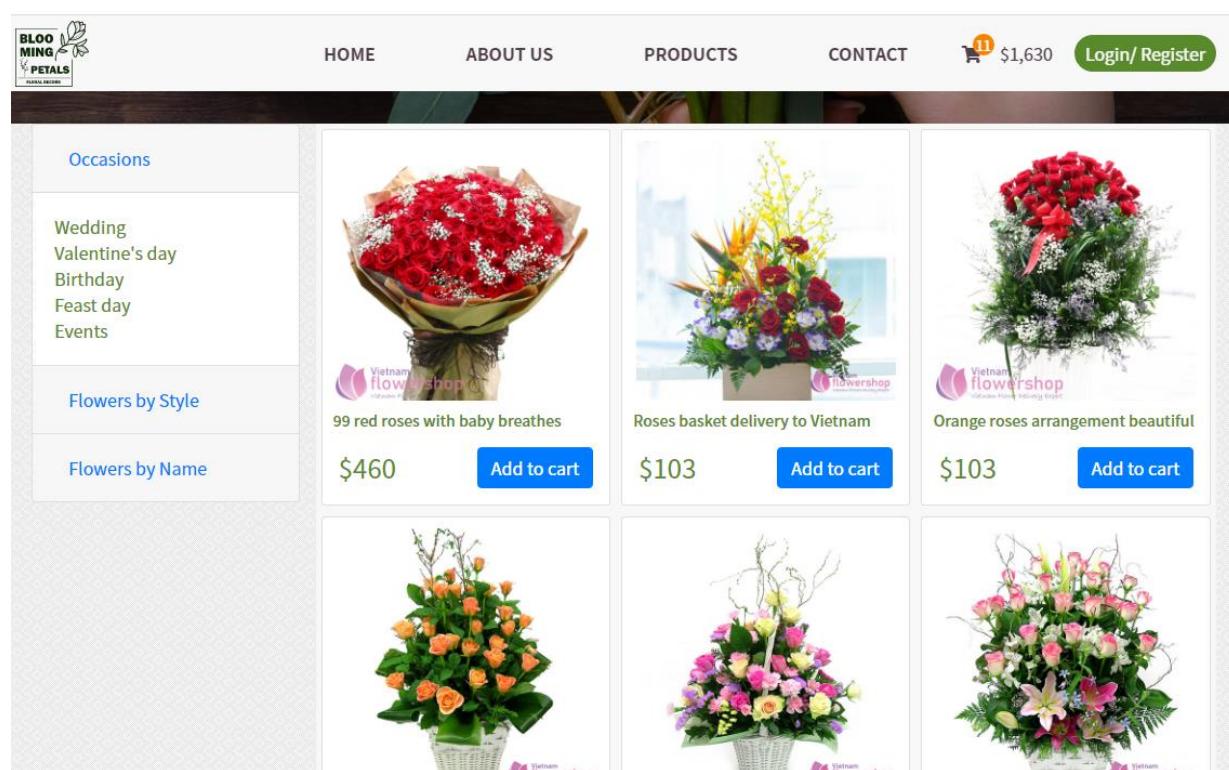
```
function getComments() {

    function comments(cus) {
        return `<div class="item show ">
            <div class="card border-0 py-3 px-4">
                <div class="row justify-content-center">
                    </div>
                    <h6 class="mb-3 mt-2">${cus.name}</h6>
                    <p class="content mb-5 mx-2">${cus.comment}</p>
                </div>
            </div>`;
    }
    var results = CustomerData.map(comments);
}
```

9.4 Products page

On the products page, we get product data from API URL, we use google sheet to input all data and using javascript to convert it to JSON, data will be synced when we modified on a google sheet.

API URL: <https://script.google.com/macros/s/AKfycbzREWIkw-FELGuIFFmfRh4T0RRqbDfPjBbKhcT6rsGatjogUUVAysDKjsW5B6XeT5zW0A/exec>



We use **fetch()** method to get data from API , render by using **.map()**.

Category: Using category ID, we use **.filter()** to filter out the correct category in array and render it to HTML.

HTML code:

The **getProductsByCat()** will be called every time the link is clicked

```
<div id="collapseOne" class="collapse show" aria-labelledby="headingOne" data-parent="#accordionExample">
  <div class="card-body">
    <ul class="submenu_items">
      <li><a class="cat01" href="#?cat01" onclick="getProductsByCat('cat01'); ">Wedding</a></li>
      <li><a class="cat02" href="#?cat02" onclick="getProductsByCat('cat02'); ">Valentine's day</a></li>
      <li><a class="cat03" href="#?cat03" onclick="getProductsByCat('cat03'); ">Birthday</a></li>
      <li><a class="cat04" href="#?cat04" onclick="getProductsByCat('cat04'); ">Feast day</a></li>
      <li><a class="cat05" href="#?cat05" onclick="getProductsByCat('cat05'); ">Events</a></li>
    </ul>
  </div>
</div>
```

Products will be show here:

```
</div>
<div class="main-content col-md-9">
    <div id="products" class="prd-slider_item row">
        |  <!-- ||Database query -->
        |</div>
    </div>
</div>
```

JS Code:

```
// GET PRODUCT BY CATEGORY
function getProductsByCat(CatData) {
    fetch(api_url)
        .then(response => response.json())
        .then(res => {
            var data = Object.values(res.user)

            function Cat(products) {
                return products.catID == CatData;
            }
            var productsList = data.filter(Cat);

            function items(pro) {

                return `<div class="col-md-4 col-6">
                    <div class="card" >
                        <div class="img-wrapper">
                            </div>
                        <div class="card-block">
                            <a href="${pro.proSlug}"><h5 class="card-title">${pro.name}</h5>
                            <div class="buy">
                                <p class="card-text">${pro.price}</p>
                                <a href="javascript:void(0)">
                                    data-id="${pro.key}"
                                    data-imgurl="${pro.img}"
                                    data-name="${pro.name}"
                                    data-sku="${pro.sku}"
                                    data-price="${pro.price}"
                                    class="add-to-cart btn btn-primary">Add to cart</a>
                                </div>
                            </div>
                        </div>
                    </div>`;
            }

            var a = productsList.map(items);
            $('#products').html(a.join(''))
            // GET CATEGORY NAME
        })
    }
}
```



Vietnam flower shop

[DETAILS](#) [REVIEWS](#) [HOW TO ORDER](#) [DOWNLOAD](#)

[Home](#) > [Feast Day](#) > [Opening congratulation flowers to Vietnam](#)

\$319

Opening congratulation flowers to Vietnam

(18 reviews)

SKU: BP-FEAST01

Category: Feast Day

[Add to cart](#)

f t p

Similar to Products page, Product details page also get data by using api, we render the product information by change `id-data="id"` for each product. The page title will auto change to match with product name by use `.append()` product name to `<title>` tag

HTML code :

```

<section include-header="header.html" id="header"></section>
<section class="product-main-container">
  <div class="product-frame container-md">
    <div id="product-container" data-id="6">
      <!-- product-info here --&gt;
    &lt;/div&gt;
  &lt;/div&gt;
&lt;/section&gt;
</pre>

```

Change ID to get
product information

SCSS code:

```

.product-main-container {
  background: url(..../images/product-detail-background-01.jpg);
  background-size: cover;
  background-position: center;
  background-attachment: fixed;
  padding: 20px;
  display: flex;
  justify-content: center;
  padding-top: 120px;
  text-align: center;
}

```

```

17     .product-frame {
18         background: color(light);
19
20     #product-container {
21
22
23         .price,
24         .product-title { You, 6 days ago • no message
25             text-align: center;
26         }
27
28     .breadcrumb_mod {
29         border-bottom: 1px solid #bdbdbd;
30         background-color: transparent !important;
31         border-radius: 0 !important;
32
33         @include mobile {
34             display: none;
35         }
36
37         ul {
38             display: flex;
39             align-items: center;
40             padding: 10px;
41
42         }
43     }
44

```

JS Code:

```

fetch(api_url)
    .then(response => response.json())
    .then(res => {
        var data = Object.values(res.user)

        var productSingle = `
            <div class="container row">
                <div class="product-image col-sm">

                </div>
                <div class="right-content col-sm">
                    <div class="breadcrumb_mod">
                        <ul>
                            <li><a href="../index.html">Home</a>
                                <i class="fa fa-angle-right"></i>
                            </li>
                            <li><a href="${data[proID].catSlug}">${data[proID].catName}</a>
                                <i class="fa fa-angle-right"></i>
                            </li>
                            <li>${data[proID].name}</li>
                        </ul>
                    </div>
                </div>
            </div>
        `

        document.querySelector('.product-frame').innerHTML = productSingle
    })

```

```

$(selector).html(productSingle);
$(".download").html(downloadPdf)
$('title').append(data[proID].name + " | Blooming Petals")
//add to cart event
addItem();
displayCart();
socialComponent('.social-share');

```

Render product info

Download PDF

Change page title

9.5 Review form:

We use star rating template from <https://codepen.io/>

Your Name

Your email

Your vote

Your Comment

Send

LASTED COMMENTS

- Sheppard I.
"Flowers was worth a fortune to my company. Flowers is the real deal!"
- Diego X.
"This is simply unbelievable! Florist was worth a fortune to my company. It's really wonderful."
- Emilia Q.
"It really saves me time and effort. florist is exactly what our business has been lacking. I will refer everyone I know."
- Arden R.
"The best on the net!"
- Mellicent P.

9.6 Download PDF:

Each product will have pdf file and can be download.

BLOOMING PETALS
Floral Design

HOME ABOUT US PRODUCTS CONTACT \$1,630 Login/ Register

SKU: BP-FEAST01
Category: Feast Day

Add to cart

f t p

DETAILS REVIEWS HOW TO ORDER DOWNLOAD

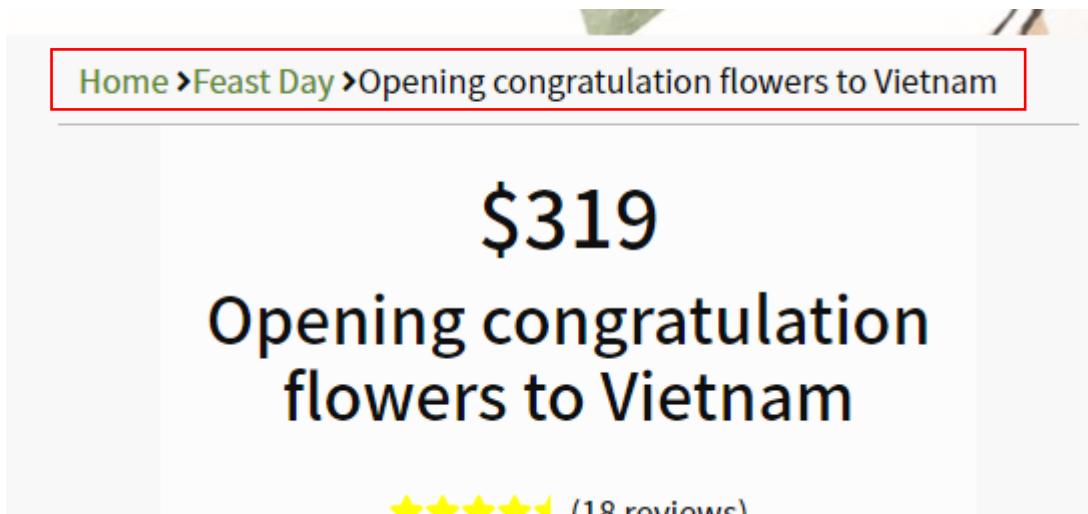
You can download product's brochure here

Download Brochure

JS code:

```
var downloadPdf = `<center>
    <p>You can download product's brochure here</p>
    <a href="../../${data[proID].download}" target="_blank"><i class="fa fa-download"></i> Download Brochure</a>
</center>
`;
```

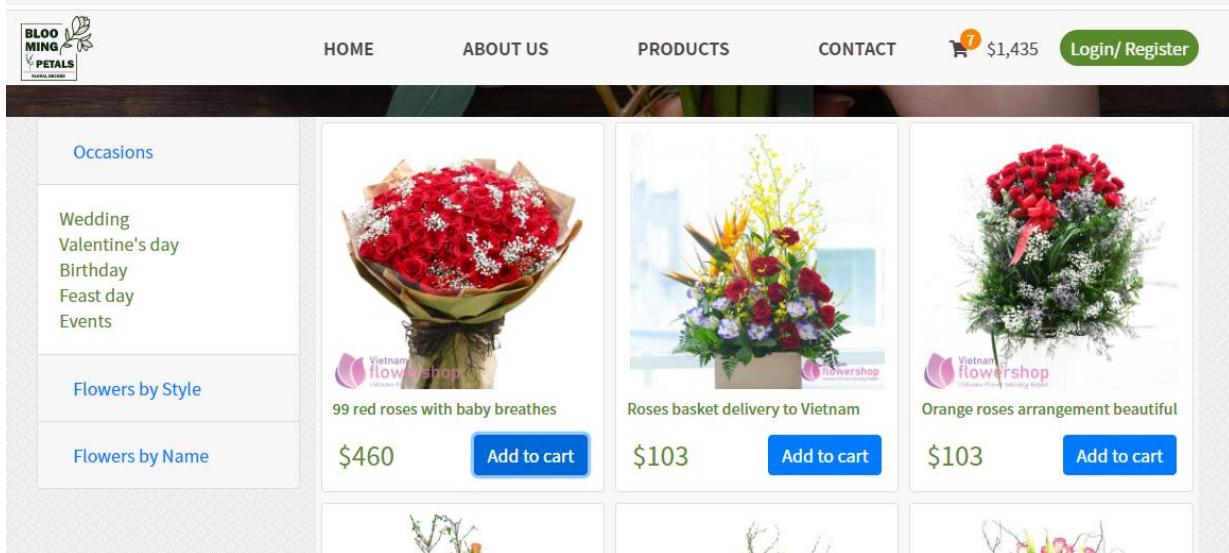
9.7 The simple breadcrumb



JS Code:

```
<div class="right-content col-sm">
    <div class="breadcrumb_mod">
        <ul>
            <li><a href="../../index.html">Home</a>
                <i class="fa fa-angle-right"></i>
            </li>
            <li><a href="${data[proID].catSlug}">${data[proID].catName}</a>
                <i class="fa fa-angle-right"></i>
            </li>
            <li>${data[proID].name}</li>
        </ul>
    </div>
```

9.8 Add to cart function



When click add to cart button, the product will be added and show number in the cart icon, total price is also shown, when price $\geq \$1000$ the comma separator will be added.

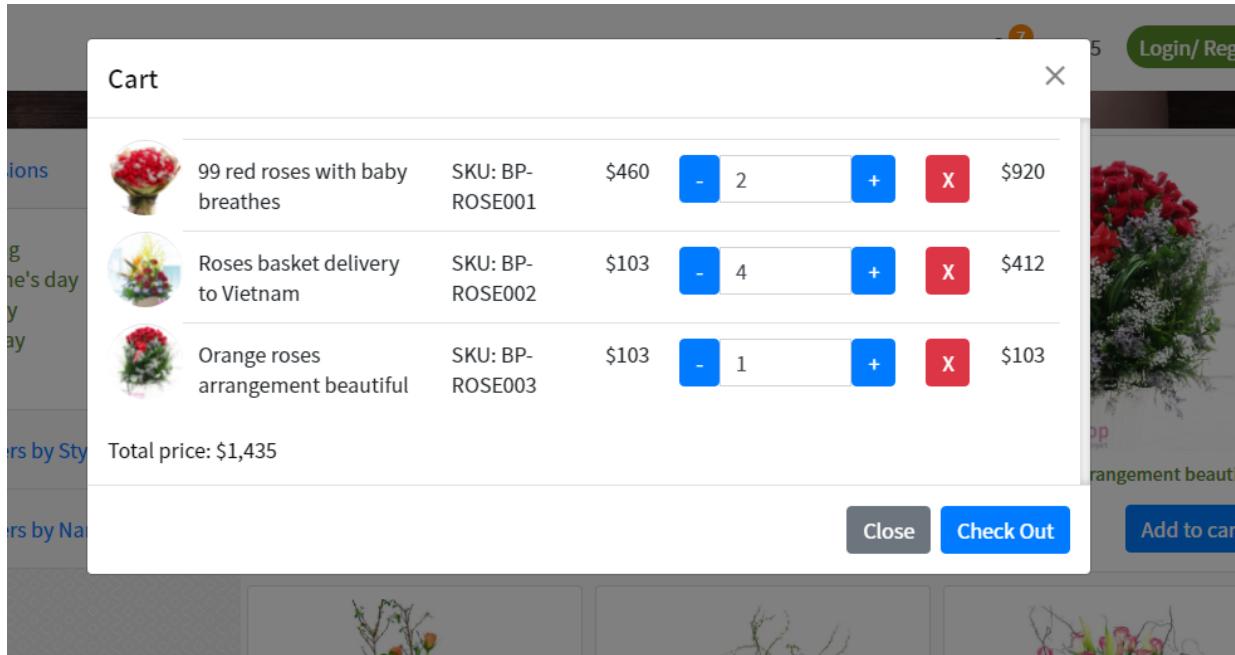
JS Code:

```
obj.addItemToCart = function (id, img, name, sku, price, count) {
    for (var item in cart) {
        if (cart[item].id === id) {
            cart[item].count++;
            saveCart();
            return;
        }
    }
    var item = new Item(id, img, name, sku, price, count);
    cart.push(item);
    saveCart();
}
// End script from file
```

```
// Total cart
obj.totalCart = function () {
    var totalCart = 0;
    for (var item in cart) {
        totalCart += cart[item].price * cart[item].count;
    }
    return Number(totalCart.toFixed(2));
}
```

```
function addCommas(nStr) {
    nStr += '';
    var x = nStr.split('.');
    var x1 = x[0];
    var x2 = x.length > 1 ? '.' + x[1] : '';
    var rgx = /(\d{3})(\d{3})/;
    while (rgx.test(x1)) {
        x1 = x1.replace(rgx, '$1' + ',' + '$2');
    }
    return x1 + x2;
}
```

Cart Modal:



When clicking the cart icon, the cart modal will be shown with some info such as product image, name, SKU, unit price, count, total price, etc. Click the close button or click any area outside of the modal to close. Click check out to go check out page.

Users can click plus or minus button to modify the product count, click "X" to remove the product. The total price will be auto modifying for each action.

HTML Code:

```
92  <!-- Modal -->
93  <section id="modal-content-js">
94  <div class="modal fade" id="cart" tabindex="-1" role="dialog" aria-labelledby="ModalLabel" aria-hidden="true">
95  <div class="modal-dialog modal-lg" role="document">
96  <div class="modal-content">
97  <div class="modal-header">
98  <h5 class="modal-title" id="ModalLabel">Cart</h5>
99  <button type="button" class="close" data-dismiss="modal" aria-label="Close">
100 <span aria-hidden="true">&times;;</span>
101 </button>
102 </div>
103 <div class="modal-body">
104 <table class="show-cart table">
105
106 </table>
107 <div>Total price: $<span class="total-cart"></span></div>
108 </div>
109 <div class="modal-footer">
110 <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
111 <a href="checkout.html" class="btn btn-primary">Check Out</a>
112 </div>
113 </div>
114 </div>
115 </div>
116 </section>
```

JS Code:

```
obj.removeItemFromCart = function (id) {
    for (var item in cart) {
        if (cart[item].id === id) {
            cart[item].count--;
            if (cart[item].count === 0) {
                cart.splice(item, 1);
            }
            break;
        }
    }
    saveCart();
}

// List cart
obj.listCart = function () {
    var cartCopy = [];
    for (i in cart) {
        item = cart[i];
        itemCopy = {};
        for (p in item) {
            itemCopy[p] = item[p];
        }
        itemCopy.total = Number(item.price * item.count).toFixed(0);
        cartCopy.push(itemCopy);
    }
    return cartCopy;
}
```

```
S14 function displayCart() {
S15     var cartArray = shoppingCart.listCart();
S16     var output = "";
S17     for (var i in cartArray) {
S18         output += "<tr class='incart-items'>" +
S19             "<td class='img-frame'><img src='" + cartArray[i].img + "' ></td>" +
S20             "<td>" + cartArray[i].name + "</td>" +
S21             "<td>SKU: " + cartArray[i].sku + "</td>" +
S22             "<td$" + cartArray[i].price + "</td>" +
S23             "<td><div class='input-group'><button class='minus-item input-group-addon btn btn-primary' data-id='" + cartArray[i].id + "' value=''" + cartArray[i].count + "'>-</button>" +
S24             "<input type='number' class='item-count form-control' data-id='" + cartArray[i].id + "' value=''" + cartArray[i].count + "'>" +
S25             "<button data-id='" + cartArray[i].id + "' class='plus-item btn btn-primary input-group-addon' value=''" + cartArray[i].count + "'>+</button></div></td>" +
S26             "<td><button data-id='" + cartArray[i].id + "' class='delete-item btn btn-danger' value=''" + cartArray[i].count + "'>X</button></td>" +
S27             " = " +
S28             "<td$" + cartArray[i].total + "</td>" +
S29             "</tr>";
S30     }
S31     $('.show-cart').html(output);
S32     $('.total-cart').html(addCommas(shoppingCart.totalCart()));
S33     $('.total-count').html(shoppingCart.totalCount());
S34 }
```

9.9 Form Validation

Register form:

SIGN UP

User name
Please enter your username!

Email
Please enter your email!

Password
You must enter password!

Confirm password
You must enter confirm password!

REGISTER

Already Member? [Login here!](#)

Validate:

All fields are required; errors message will be shown if input empty.

Email must be correct format

aa

Invalid email!

Password at least 6 characters:

....

Requires a password least 6 characters

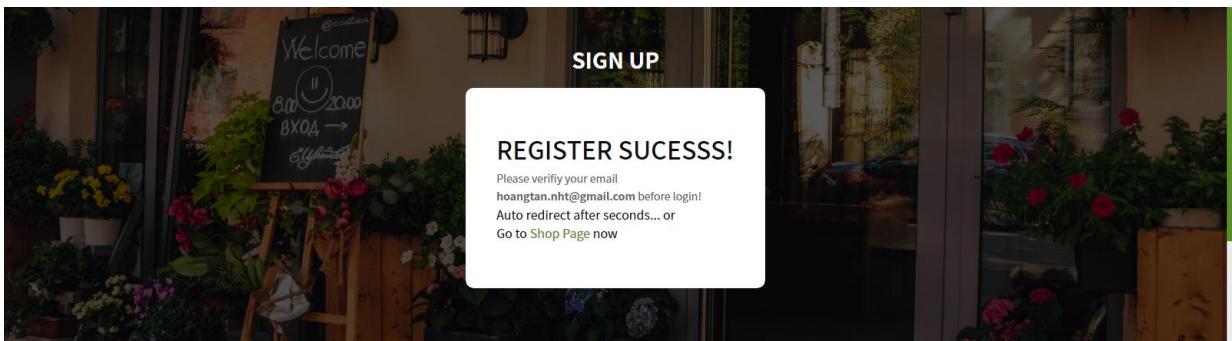
Confirm password must match with password:

.....

.....

Password does not match!

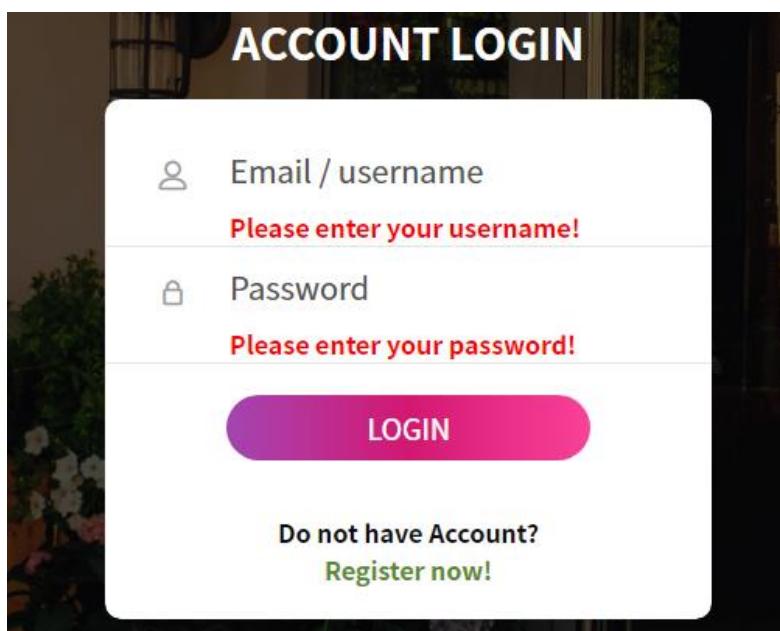
When submitting success, the user will be redirected automatically to the shop page after **5s**



JS Code:

```
105 Validator({
106   form: '#registerForm',
107   errorSelector: '.focus-input100',
108   rules: [
109     Validator.isRequired('#username', 'Please enter your username!'),
110     Validator.isRequired('#email', 'Please enter your email!'),
111     Validator.isEmail('#email', 'Invalid email!'),
112     Validator.isRequired('#pass', 'You must enter password!'),
113     Validator.minLength('#pass', 6, 'Requires a password least 6 characters'),
114     Validator.isRequired('#repass', 'You must enter confirm password!'),
115     Validator.isConfirmed('#repass', function () {
116       return document.querySelector('#registerForm #pass').value;
117     }, 'Password does not match!'),
118   ],
119   onSubmit: function (data) {
120     var formElement = $('#registerForm')
121     var notifyMsg =
122       `<div class="notifyMsg"><h2>REGISTER SUCESSS!</h2><p class="msg">Please verify your email </p></div>`
123     formElement.html(notifyMsg)
124     setTimeout(function () {
125       window.location = "all-products.html";
126     }, 5000);
127   }
128 }
```

Login form:



Validate:

All fields are required; errors message will be shown if input empty.

When login success, the user will be redirected automatically to the shop page after 2s

```
93 <script>
94 Validator({
95   form : '#loginForm',
96   errorSelector : '.focus-input100',
97   rules: [
98     Validator.isRequired('#username', 'Please enter your username!'),
99     Validator.isRequired('#pass', 'Please enter your password!'),
100   ],
101   onSubmit : function (data) {
102     alert (`Hi! ${data.username}, you has login sucess!`)
103     setTimeout(function () {
104       window.location = "all-products.html";
105     }, 2000);
106   }
107 }
```

Contact form:

HOME ABOUT US PRODUCTS CONTACT \$ [Login/ Register](#)

CONTACT US

Planning to visit Indonesia soon? Get insider tips on where to go, things to do and find best deals for your next adventure.

FULL NAME
Your Full Name
Please enter your name!

EMAIL ADDRESS
Your Email Address
Please enter your email!

MESSAGE
Your Message
Please enter your message!

SEND

All fields are required; errors message will be shown if input empty.
Email must be correct format.

Check out form:

SHIPPING INFO		YOUR BILLING		
Products		Price		
Your Name	Roses basket delivery to Vietnam x4		\$412	
Please enter your name!		Orange roses arrangement beautiful x1		\$103
Your Email	Total		\$515	
Please enter your email!		Place Order		
Your Phone	Ex: 1234567890			
Please enter your phone!				
Address	Your Address			
Please enter your shipping address!				

All fields are required; errors message will be shown if input empty.

Email must be correct format.

Phone must be numeric and at least 10 digits

Your Phone

1234

Phone must be numeric and at least 10 digits

JS code:

```
Validator({
  form : '#checkout-form',
  errorSelector : '.form-message',
  rules: [
    Validator.isRequired('#fullname', 'Please enter your name!'),
    Validator.isRequired('#email', 'Please enter your email!'),
    Validator.isEmail('#email', 'Invalid email!'),
    Validator.isRequired('#phone', 'Please enter your phone!'),
    Validator.isPhone('#phone', 'Phone must be numeric and at least 10 digits'),
    Validator.isRequired('#address', 'Please enter your shipping address!'),
  ],
  onSubmit : function (data) {
    $('#checkout-form').html(`<h1>Thank you for order!</h1>`);
  }
})
```

The Form validate function

```
You, 3 days ago | ↑ author (You) You, 6 days ago • no message
1  ✓ function Validator(options) {
2      var selectorRules = {};
3      //set rule
4  ✓   function validate(inputElement, rule) {
5      var errorMessage;
6      var errorElement = inputElement.parentElement.querySelector(options.errorSe
7          //get rules array of selector
8          var rules = selectorRules[rule.selector]
9          //loop and check
10 ✓    for (var i = 0; i < rules.length; ++i) {
11        errorMessage = rules[i](inputElement.value);
12        if (errorMessage) break;
13    }
14 ✓    if (errorMessage) {
15        errorElement.innerText = errorMessage;
16        inputElement.parentElement.classList.add('invalid');
17 ✓    } else {
18        errorElement.innerText = '';
19        inputElement.parentElement.classList.remove('invalid');
20    }
21    return !errorMessage;
22  }
23  //get form element
24  var formElement = document.querySelector(options.form);
25 ✓  if (formElement) {
26      //when submit form
27 ✓    formElement.onsubmit = (e) => {
28        e.preventDefault();
29        var isFormValid = true;
30 ✓        options.rules.forEach(function (rule) {
31            var inputElement = formElement.querySelector(rule.selector);
32            var isValid = validate(inputElement, rule);
33            if (!isValid) {
34                isFormValid = false;
35            }
36        });
37
38 ✓        if (isFormValid) {
39 ✓            if (typeof options.onSubmit === 'function') {
40                var enableInputs = formElement.querySelectorAll('[name]');
41                var formValues = Array.from(enableInputs).reduce(function (valu
42                    values[input.name] = input.value;
43                    return values;
44                }, {});
45                options.onSubmit(formValues);
46
47
```

```

81  Validator.isRequired = function (selector, errorMgs) {
82      return {
83          selector: selector,
84          test: (value) => {
85
86              return value.trim() ? undefined : errorMgs || `Error!`;
87          }
88      };
89  };
90 }
91 Validator.isEmail = function (selector, errorMgs) {
92     return {
93         selector: selector,
94         test: (value) => {
95             var regex = /^[a-zA-Z0-9_.!#$%&'*+/=?^_-]{1,}@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)*$/;
96             return regex.test(value) ? undefined : errorMgs || `Error!`;
97         }
98     };
99 }
100 Validator.isPhone = function (selector, errorMgs) {
101     return {
102         selector: selector,
103         test: (value) => {
104             var phoneRegex = /^[\+]?[(]?[()?[0-9]{3}[)]?[-\s\.\.][0-9]{3}[-\s\.\.][0-9]{4}/;
105             return phoneRegex.test(value) ? undefined : errorMgs || `Error!`;
106         }
107     };
108 }
109 Validator.minLength = function (selector, min, errorMgs) {
110     return {
111         selector: selector,
112         test: (value) => {
113             return value.length >= min ? undefined : errorMgs || `Error!`;
114         }
115     };
116 }
117 Validator.isConfirmed = function (selector, getConfirmValue, errorMgs) {
118     return {
119         selector: selector,
120         test: (value) => {
121             return value === getConfirmValue() ? undefined : errorMgs || `Error!`;
122         }
123     };
124 }
125 }
126 
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Filter

TASK SHEET 2

Project Ref. No.	Project Title	Activity Prepared by	Date of Preparation of Activity Plan			
			Actual Start Date	Actual Days	Teammate Names	Status
Brainstorming ideas for layouts, and Project Objective	Blooming Petals	Tan	12/06/2021	2	Hai, Thanh	Complete
Draw site maps and architecture design	Blooming Petals	Thanh	14/06/2021	1	Thanh	Complete
Wire framing general page layout and design UI.	Blooming Petals	Tan	15/06/2021	4	Tan	Complete
Collect static assets (pictures, mp4, documentation)	Blooming Petals	Hai	14/06/2021	5	Thanh, Tan	Complete
Write project report Review 1	Blooming Petals	Thanh	17/06/2021	2	Thanh	Complete
Code Homepage	Blooming Petals	Tan	17/06/2021	7		Complete
Code About Page	Blooming Petals	Hai	17/06/2021	5		Complete
Code Products Page	Blooming Petals	Tan	24/06/2021	12	Hai	Complete
Code Product Details Page	Blooming Petals	Thanh	17/06/2021	12	Tan	Complete
Code Contact Page	Blooming Petals	Hai	22/06/2021	3		Complete
Code Register & Login Page	Blooming Petals	Hai	25/06/2021	3		Complete

Code Checkout Page	Blooming Petals	Thanh	01/07/2021	5	Hai	Complete
Testing Responsive	Blooming Petals	Thanh	25/06/2021	10	Tan, Hai	Complete
Final Testing	Blooming Petals	Tan	5/07/2021	5	Thanh, Hai	Complete
Write Report Review 2	Blooming Petals	Tan	07/07/2021	5		Complete

10. CHECKLIST VALIDATION

Task	Requirement	Validation
1	The Home Page should be created with sections, graphics and with a suitable logo.	complete
2	Home Page should contain details of different flowers/floral decors with suitable images.	complete
3	The site should display a menu which will contain the options for brief introduction about the various floral themes/decorations available, location of the shop and any other information if required.	complete
4	Information should be available category wise, wherein user can click on a particular category and should be able to view all the products related to the category available with complete information., e.g. Category can be "Birthdays", "Anniversaries", "marriages" etc. with suitable sub-categories been defined.	complete
5	Information should be categorized according to the type of flowers like if a User wants to see only "Rose decors" or any other particular flower products then he/she can click on a Link/button/menu i.e., and can see only that products.	Complete
6	When a user selects any particular flower, a list of products for that brand will be displayed	Complete
7	A brief summary of individual products should be displayed on the Web Page along with the product but detailed Features should be stored in Individual Word documents which can be downloaded or viewed by the User who wishes to see the same.	Complete
8	There should be a "Contact Us" page which have the Address of the Company with location displayed using Geolocation API (e.g. Google Maps) and the mail address, which, when clicked, launches the local mail box, from which they may send an email.	Complete

11. REFERENCES

- a) BOOTSTRAP 4 TUTORIAL. [HTTPS://WWW.W3SCHOOLS.COM/BOOTSTRAP4/DEFAULT.ASP](https://www.w3schools.com/bootstrap4/default.asp)
- b) BOOTSTRAP 4 DOCUMENTATION. [HTTPS://GETBOOTSTRAP.COM/DOCS/4.5/GETTING-STARTED/INTRODUCTION/](https://getbootstrap.com/docs/4.5/getting-started/introduction/)
- c) JQUERY API DOCUMENTATION. [HTTPS://API.JQUERY.COM/](https://api.jquery.com/)
- d) SMOOTH SCROLLING – CSS TRICKS. [HTTPS://CSS-TRICKS.COM/SNIPPETS/JQUERY/SMOOTH-SCROLLING/](https://css-tricks.com/snippets/jquery/smooth-scrolling/)
- e) SHUTTERSTOCK: [HTTPS://WWW.SHUTTERSTOCK.COM/VI/HOME](https://www.shutterstock.com/vi/home)
- f) FREEPIK: [HTTPS://WWW.FREEPIK.COM/](https://www.freepik.com/)
- g) ADD TO CART INTERACTION : [HTTPS://CODEPEN.IO/DIMASION/PEN/oBoqBM](https://codepen.io/dimasion/pn/oBoqBM)
- h) Form Validation: <https://fullstack.edu.vn>