FPT ACADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

PolySite

Supervisor: *LÊ THANH NHÂN*

Semester: *01*

Batch No: *T5.2410.E0*

Group No: *07*

Order:	**Full name**	**Roll No.**
1.	*Huỳnh Quốc Huy*	*Student1614876*
2.	*Lê Thị Hạnh Mai*	*Student1614875*
3.	*Lê Trung Hiếu*	*Student1614896*
4.	*Trần Hoàng Anh*	*Student1614884*

***Month**: 01 **Year**: 2025*

This is to certify that

Mr. **Huỳnh Quốc Huy**

Ms. **Lê Thị Hạnh Mai**

Mr. **Lê Trung Hiếu**

Mr. **Trần Hoàng Anh**

Have successfully Designed & Developed

POLYSITE

Submitted by:

Mr. LE THANH NHAN

Date Of Issue:

Authorized Signature:

Content

Content

Acknowledge

Synopsis

Review1 .....(2-7)

Review2 .....(8-9)

Review3 .....(10-27)

Checklist of Validation ..... (28)

Submit checklist..... (29)

Tasksheet ..... (30)

Acknowledge

As we understand that the eProject is a step-by- step learning environment that closely simulates the class-room and Lab based learning environment into actual implementation. It is a projectimplementation at your fingertips!! An electronic, live juncture on the machine that allows you to.

- ✓ Practice step by step i.e. laddered approach.
- ✓ Build a larger more robust application.
- ✓ Usage of certain utilities in applications designed by user.
- ✓ Single program to unified code leading to a complete application.
- ✓ Learn implementation of concepts in a phased manner.
- ✓ Enhance skills and add value.
- ✓ Work on real life projects.
- ✓ Give a real life scenario and help to create applications more complicated and useful.
- ✓ Mentoring through email support.

We would like to send a great thank to our professor and others student for the addorable supports during the time in project.

Beside serveral mistakes we had made in the project, we hope to have more oppotunities to widen our knownledge in web developing world.

We also thank you so much for your infomation and the “demo” project from India APTECH to help us get more reality experience in this project. Since we have gained more experience from this project, we will not stop learning any thing as much as we can to be more successful in the future.

Your Sincerely,

Team Group 07.

Synopsis

The Objective of this program we aim is to give a sample project to work on real life projects. These applications help us build a larger more robust application.

The objective is not to teach us HTML/JavaScript but to provide us with a real life scenario and help us create basic applications using the tools.

Hence, we can revise the chapters before we start with the project.

This project is meant for students like us who have completed the module of HTML5. These programs should be done in the Lab sessions with assistance of the faculty if required.

The website sells plastic bottles, offering a variety of sizes and designs to meet both personal and industrial needs. The bottles are made from safe, durable materials, ensuring reliability and user-friendliness.

It is very essential for us that will have a clear understanding of the subject. We think we should go through the project and solve the assignments as per requirements given.

And get back ***eprojects@aptech.ac.in*** as the assigned schedule.

Problem Definition

PolySite is a company specializing in the production, supply, and export of various types of PET, PP, and PC bottles used in diverse industries such as packaged drinking water, household chemicals, pharmaceuticals, cooking oil, alcohol, hair care, and pesticides. To enhance their online presence and streamline interactions with customers, PolySite requires a comprehensive website that effectively showcases their products and services.

We need to design a SPA and responsive website with the following criteria:

1. User-friendly, where customers can easily navigate through product categories, view detailed specifications and pricing, browse a collection of images, provide feedback, and access contact information. Additionally, the website will allow users to download detailed product descriptions in PDF or DOC.

2. The website consists of a set of pages and menus that represent the choice of activities to be performed. Pages, menus, and other visual elements must be designed in a visually appealing way with attractive fonts, colors, and animations. All of these should also be presented in a responsive manner.

3. The menu is well-designed with necessary submenu options.

4. Consistent color scheme throughout the website.

5. Smooth navigation across all pages

The structure, interface, and functionality of the website

1. Home page:

- Display the company logo.

- Include a navigation bar with: Home, About Us, Products, Services, Gallery, Contact Us, Feedback.

- Include a brief introduction with a "see more" button that navigates to the About Us page.

- Contains a type of bottle along with a representative image; clicking on the image will navigate to the corresponding bottle page in Products.

- Contains information about various services offered by PolySite to attract potential customers and partners (including images, service names, and a navigation button to the detailed page).

- Contains a footer divided into 4 sections with the following information: Headquarters, Branches, Google map (occupying 2 sections)

2. About Us

- Information about PolySite, its history, mission, and values.

3. Products

- Detailed pages for different bottle categories with images, specifications, and pricing information.

- Includes a download button: an option for users to download the full product description as a PDF or DOC file for offline access.

4. Services

- Information about the various services offered by PolySite to attract potential customers and partners.

5. Library

- A visual display room showcasing various bottles and packaging solutions offered by PolySite.

6. Contact Us

- Contact information and a form to reach out directly to the company. Display contact details and location using a Geolocation API.

7. Feedback

- Allow customers to give feedback on the company's products and service

Customer Requirements Specifications

User:

input:

- Provide feedback on the experience of using the website, including any issues encountered and suggestions for improvement.
- Use search engines to find information and products, thereby generating user behavior data.

Process:

- Send customer feedback to the repository
- Search for products according to the information provided by customers in the system

Output:

- Popup responds successfully
- Show products that look like potential customer information

Webmaster:

Input:

- Collect access data from Google Analytics and Search Console
- Gather server logs and system data
- Collect information from SEO tools and CRM
- Gather feedback from users

Process:

- Process data from Google Analytics and Search Console
- Process server logs to detect errors and security issues
- Process SEO data to optimize content and improve search rankings
- Process user feedback to enhance website experience and interface

Output:

- Generate performance reports on user access and behavior to enhance website operational efficiency.
- Export a list of keywords and content that need optimization.
- Export security error alerts and a remediation plan.
- Export charts and reports for visualizing SEO data.

Hardware / software requirement:

Software:

- Intel Core i3/i5 Processor or higher
- 8 GB RAM or above
- Color SVGA
- 500 GB Hard Disk space
- Mouse
- Keyboard

Hardware:

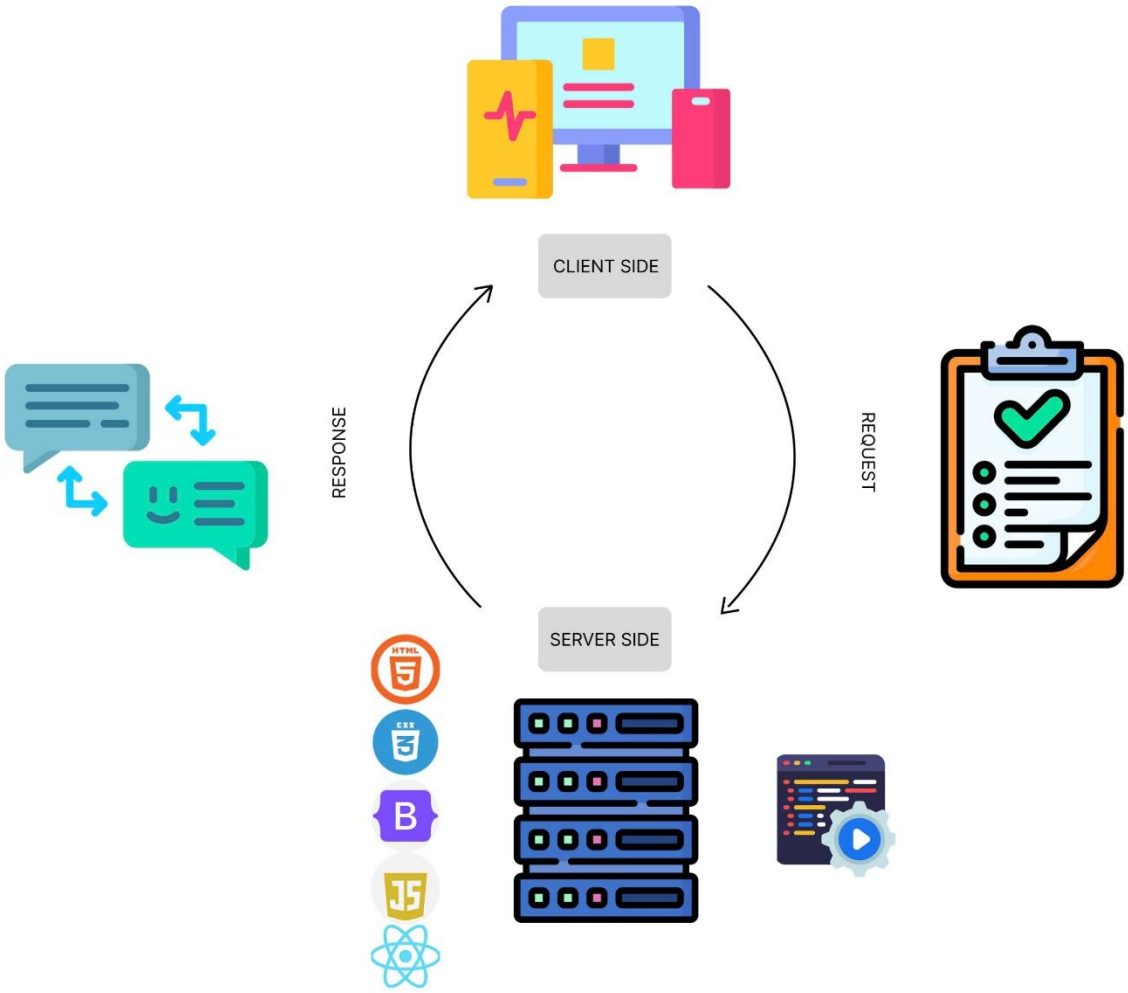
Technologies to be used:

- Frontend: HTML5, CSS, Bootstrap, JavaScript, jQuery, React/AngularJS, Figma, XML
- Data Store: JSON files or TXT files

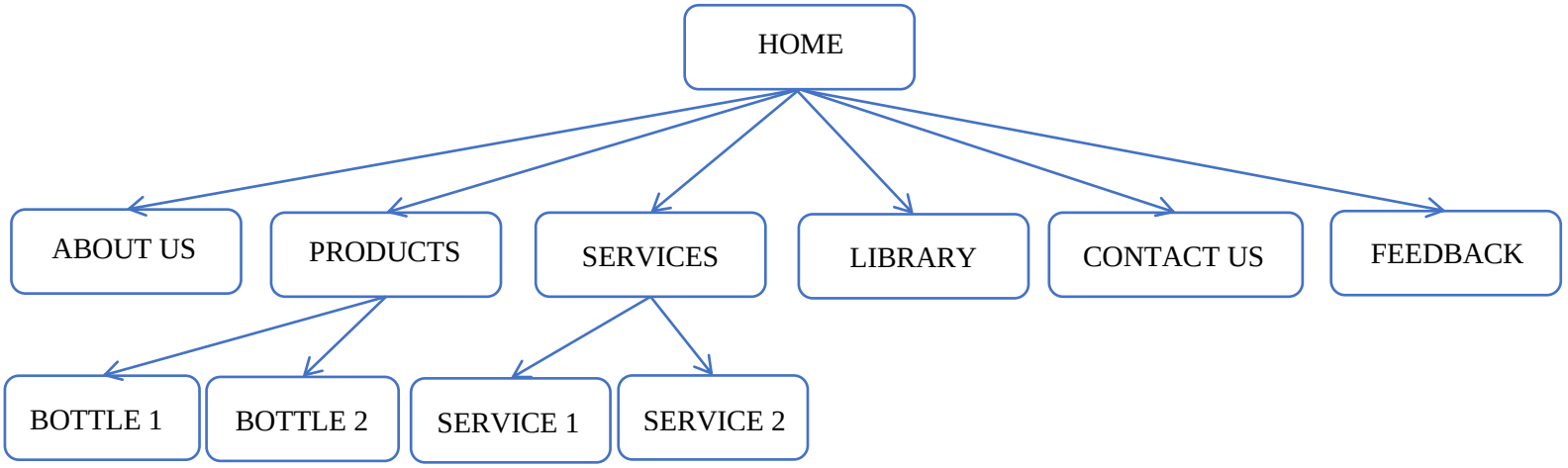
Other Requirements:

- Operating Portal: Windows
- Browsers: Edge, Chrome, Mozilla Firefox, Safari

Architecture and design of the project

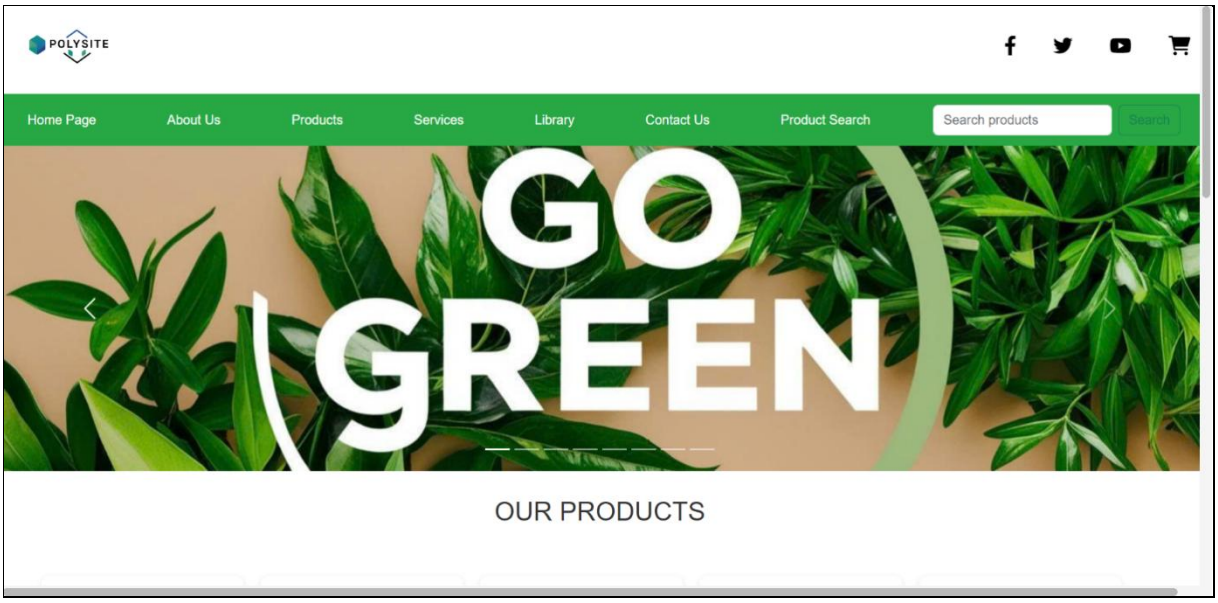


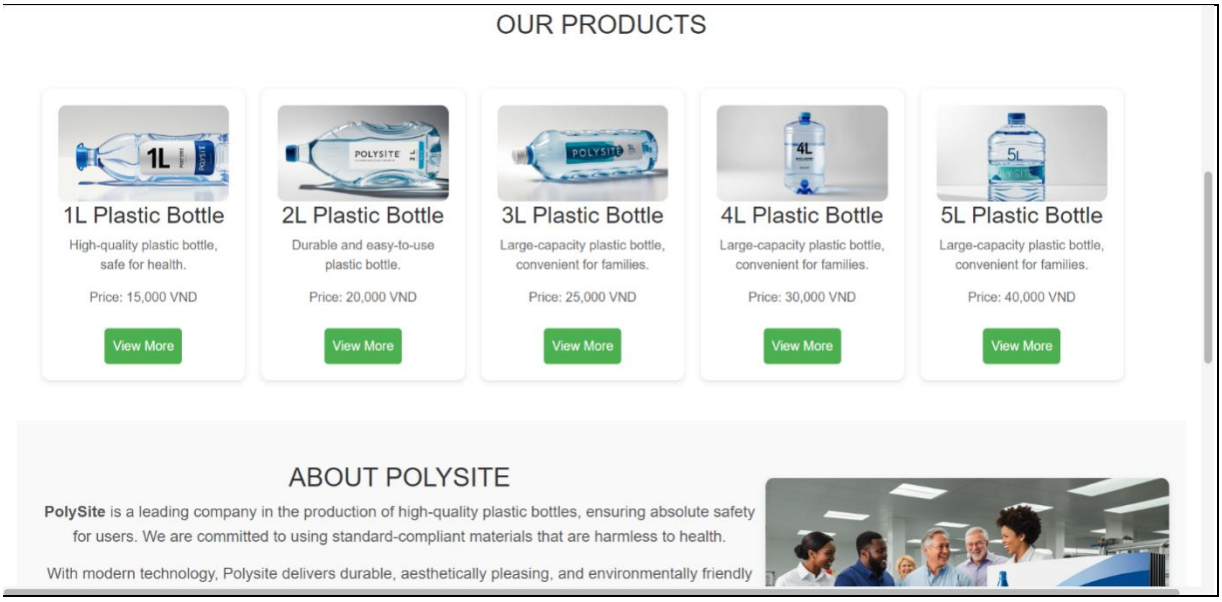
SiteMap


HOME
ABOUT US
PRODUCTS
SERVICES
LIBRARY
CONTACT US
FEEDBACK
BOTTLE 1
BOTTLE 2
SERVICE 1
SERVICE 2

Screen shots

I. Home Page:





always prioritize community and environmental benefits. With a team of experienced experts, Polysite is committed to providing optimal packaging solutions that meet diverse customer needs.

With many years of experience, we are constantly innovating technology, investing in the production line system and applying international standards such as **ISO 9001, ISO 22000**, ensuring the production of Product Achievement the highest quality when reaching customers.

PolySite

ABC

000

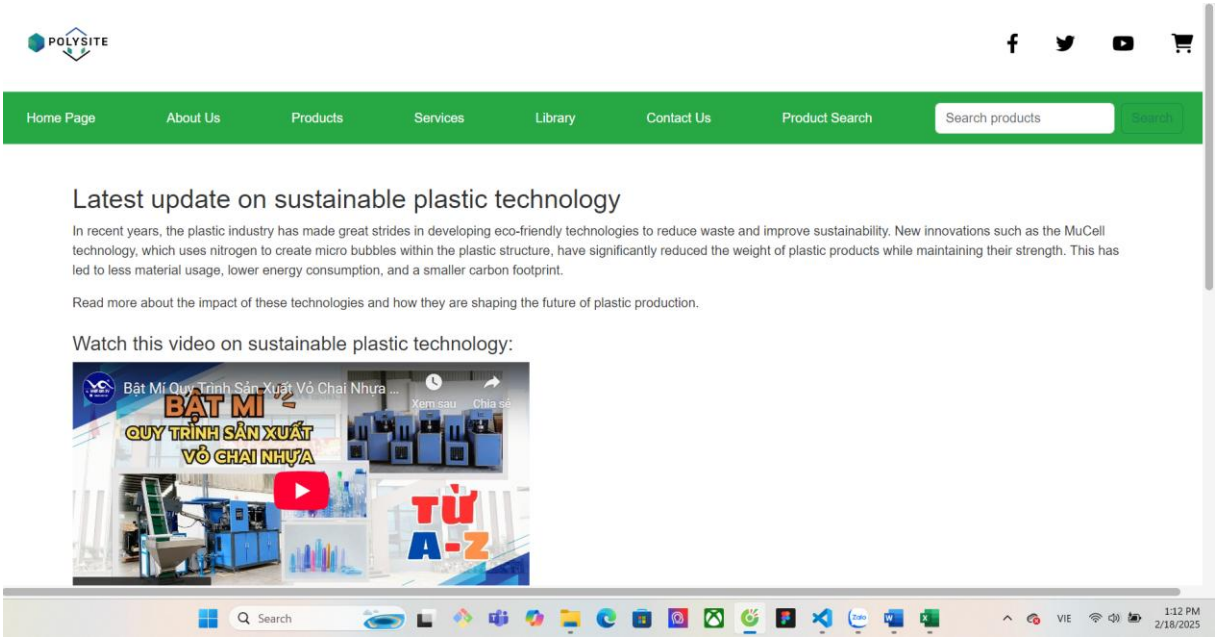
ABC

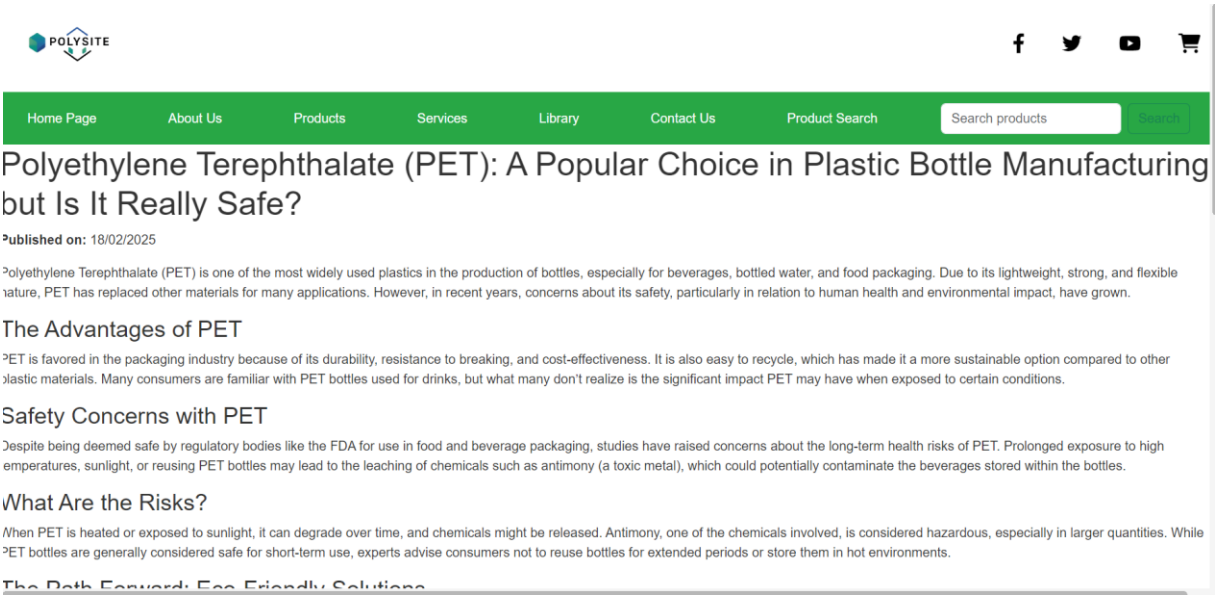
Google map

© 2025 Premium Plastic Cups | Contact us via email: Polysite@example.com

line system and applying international standards such as **ISO 9001, ISO 22000**, ensuring the production of Product Achievement the highest quality when reaching customers.

Latest update on sustainable plastic technology.


POLYSITE
Home Page
About Us
Products
Services
Library
Contact Us
Product Search
Search products
Search
Latest update on sustainable plastic technology
In recent years, the plastic industry has made great strides in developing eco-friendly technologies to reduce waste and improve sustainability. New innovations such as the MuCell technology, which uses nitrogen to create micro bubbles within the plastic structure, have significantly reduced the weight of plastic products while maintaining their strength. This has led to less material usage, lower energy consumption, and a smaller carbon footprint.
Read more about the impact of these technologies and how they are shaping the future of plastic production.
Watch this video on sustainable plastic technology:
Bật Mí Quy Trình Sản Xuất Vỏ Chai Nhựa ...
BẬT MÍ
QUY TRÌNH SẢN XUẤT
VỎ CHAI NHỰA
TỪ
A-Z
Xem sau
Chia sẻ
Search
VIE
1:12 PM
2/18/2025

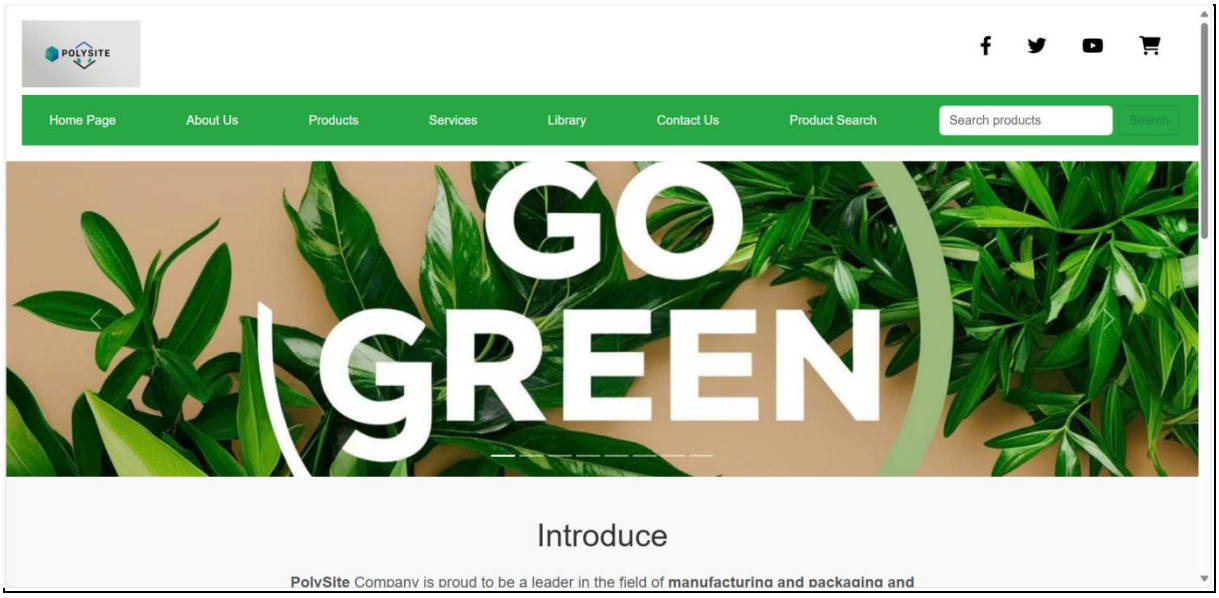

POLYSITE
Home Page
About Us
Products
Services
Library
Contact Us
Product Search
Search products
Search
Polyethylene Terephthalate (PET): A Popular Choice in Plastic Bottle Manufacturing but Is It Really Safe?
Published on: 18/02/2025
Polyethylene Terephthalate (PET) is one of the most widely used plastics in the production of bottles, especially for beverages, bottled water, and food packaging. Due to its lightweight, strong, and flexible nature, PET has replaced other materials for many applications. However, in recent years, concerns about its safety, particularly in relation to human health and environmental impact, have grown.
The Advantages of PET
PET is favored in the packaging industry because of its durability, resistance to breaking, and cost-effectiveness. It is also easy to recycle, which has made it a more sustainable option compared to other plastic materials. Many consumers are familiar with PET bottles used for drinks, but what many don't realize is the significant impact PET may have when exposed to certain conditions.
Safety Concerns with PET
Despite being deemed safe by regulatory bodies like the FDA for use in food and beverage packaging, studies have raised concerns about the long-term health risks of PET. Prolonged exposure to high temperatures, sunlight, or reusing PET bottles may lead to the leaching of chemicals such as antimony (a toxic metal), which could potentially contaminate the beverages stored within the bottles.
What Are the Risks?
When PET is heated or exposed to sunlight, it can degrade over time, and chemicals might be released. Antimony, one of the chemicals involved, is considered hazardous, especially in larger quantities. While PET bottles are generally considered safe for short-term use, experts advise consumers not to reuse bottles for extended periods or store them in hot environments.

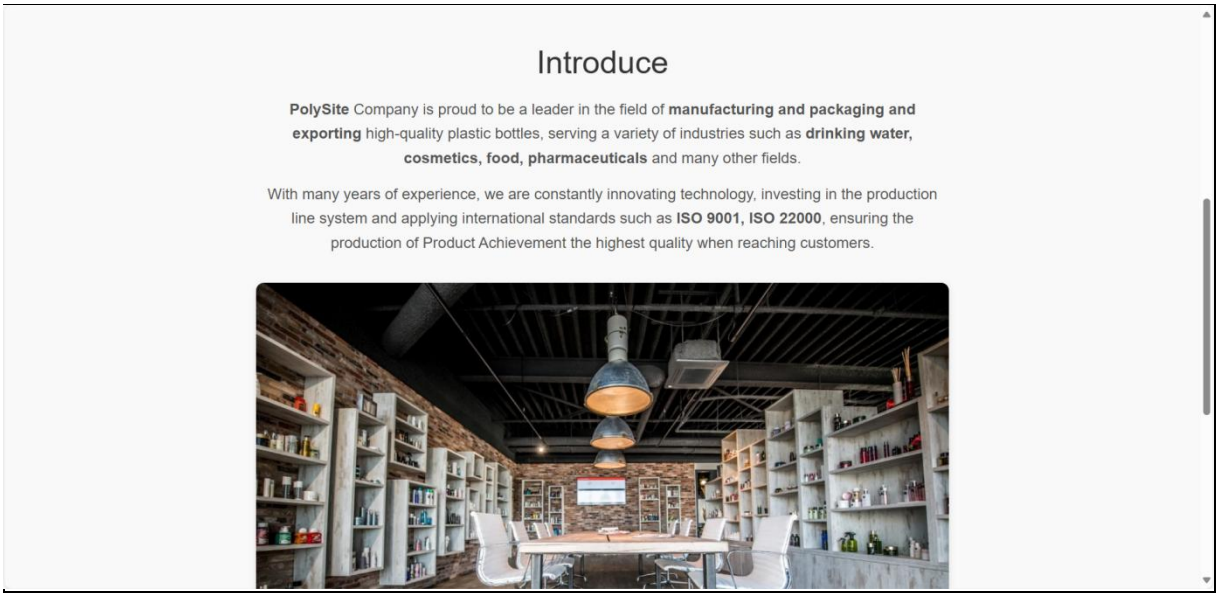
Description: This is a website that contains information about PolySite

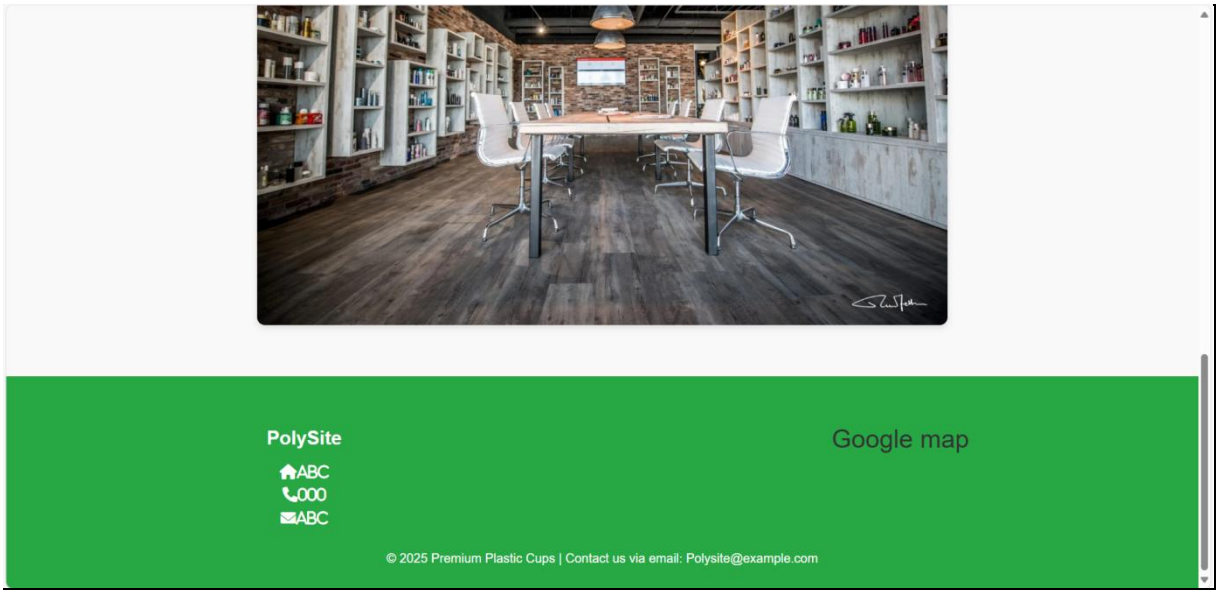
From: Open from any other page with a menu bar

To: From this Homepage it is possible to open any other website that is in the menu bar

II. About Us:


POLYSITE
Home Page
About Us
Products
Services
Library
Contact Us
Product Search
Search products
Search
GO GREEN
Introduce
PolySite Company is proud to be a leader in the field of manufacturing and packaging and


Introduce
PolySite Company is proud to be a leader in the field of manufacturing and packaging and exporting high-quality plastic bottles, serving a variety of industries such as drinking water, cosmetics, food, pharmaceuticals and many other fields.
With many years of experience, we are constantly innovating technology, investing in the production line system and applying international standards such as ISO 9001, ISO 22000, ensuring the production of Product Achievement the highest quality when reaching customers.

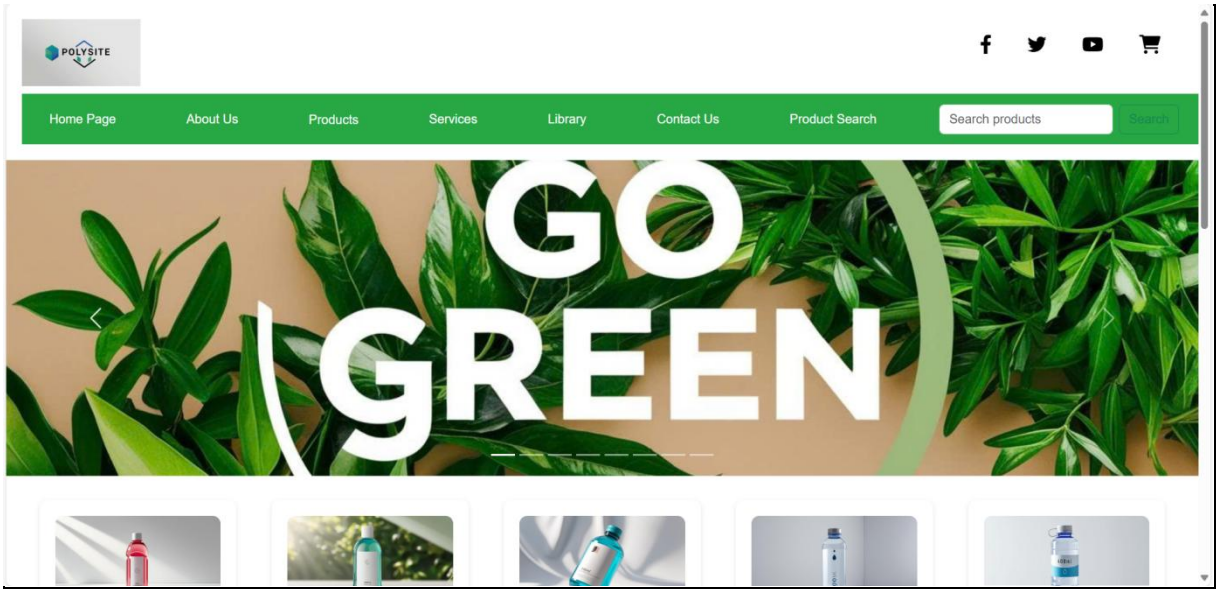


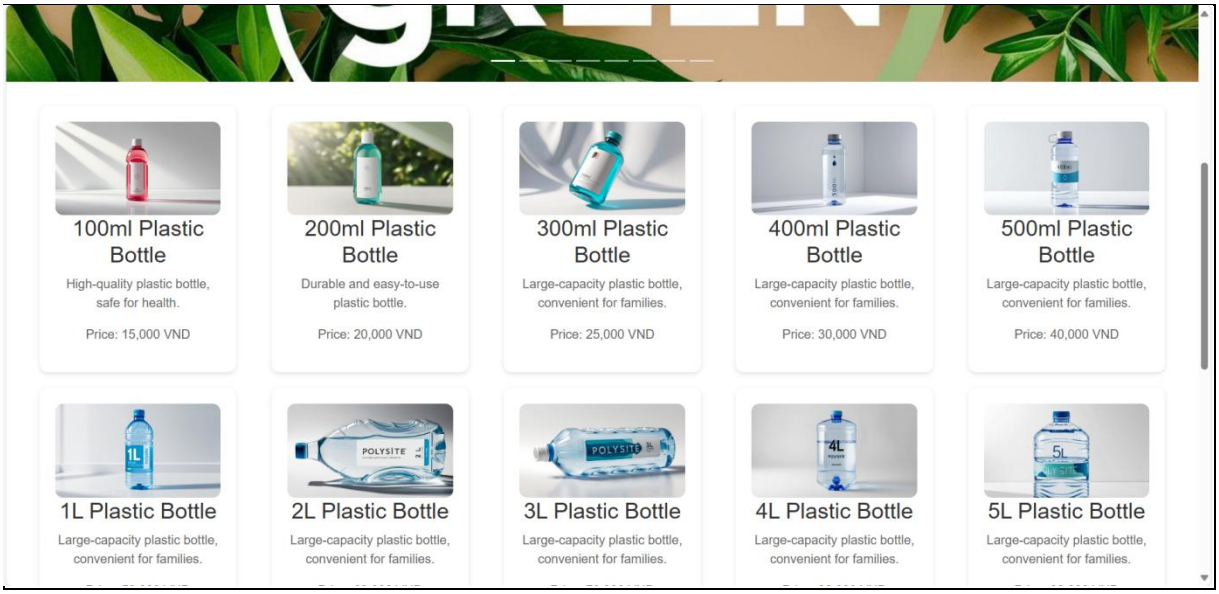
Description : This is a website that contains information about PolySite

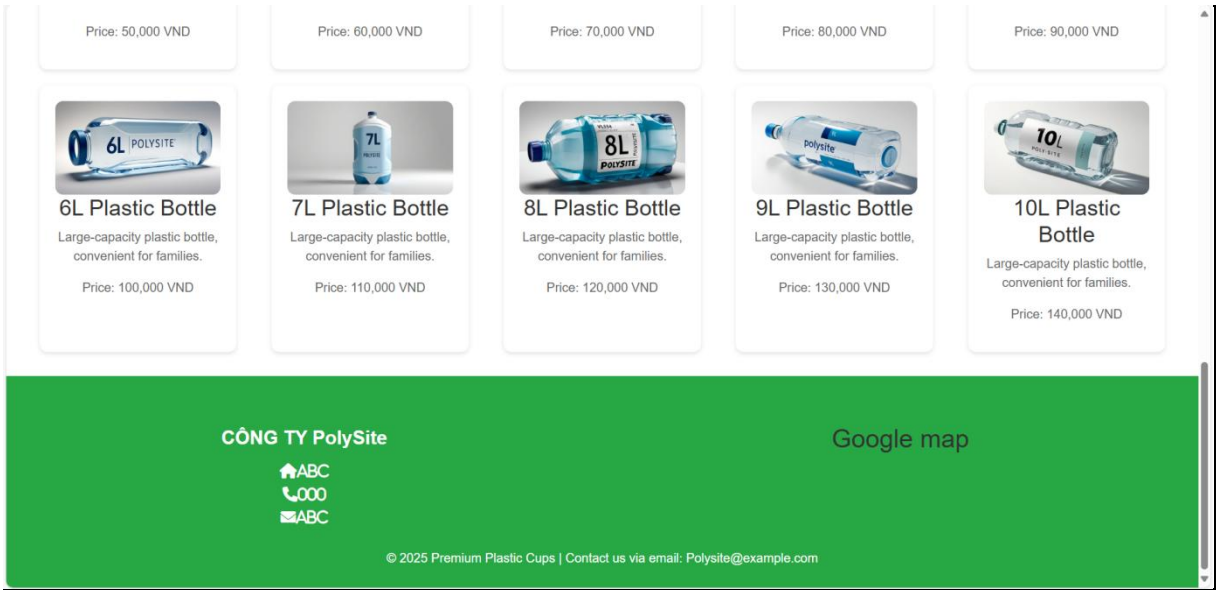
From : Open from any other page with a menu bar

To : From this website it is possible to open any other website that is in the menu bar

III. Products:





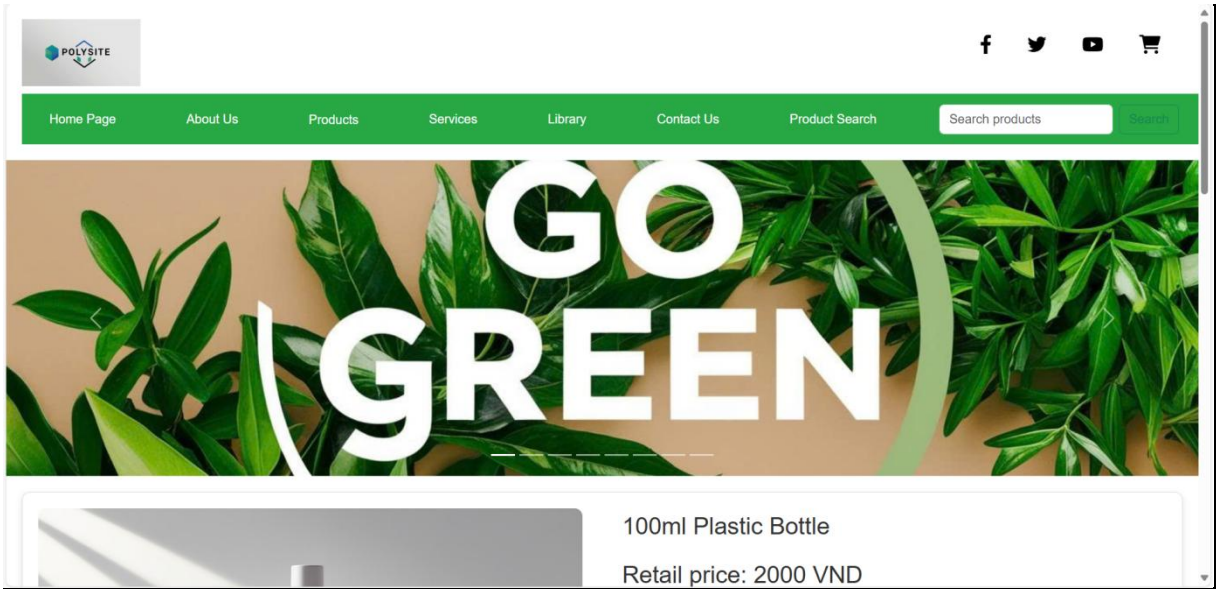


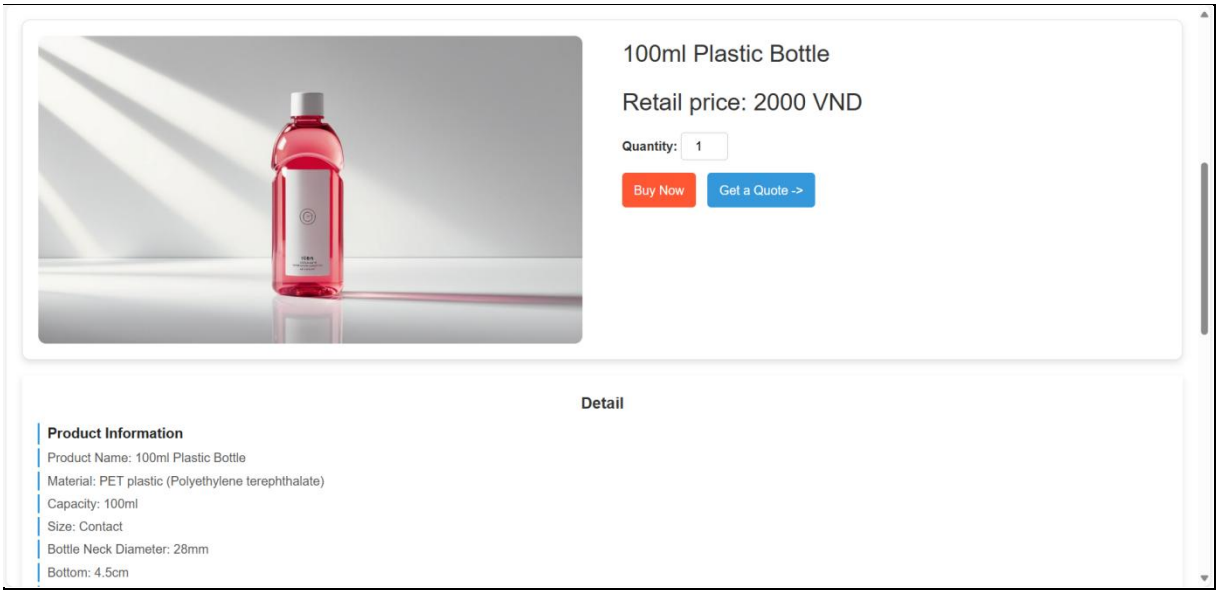
Description : This is a website that contains an overview of PolySite's products

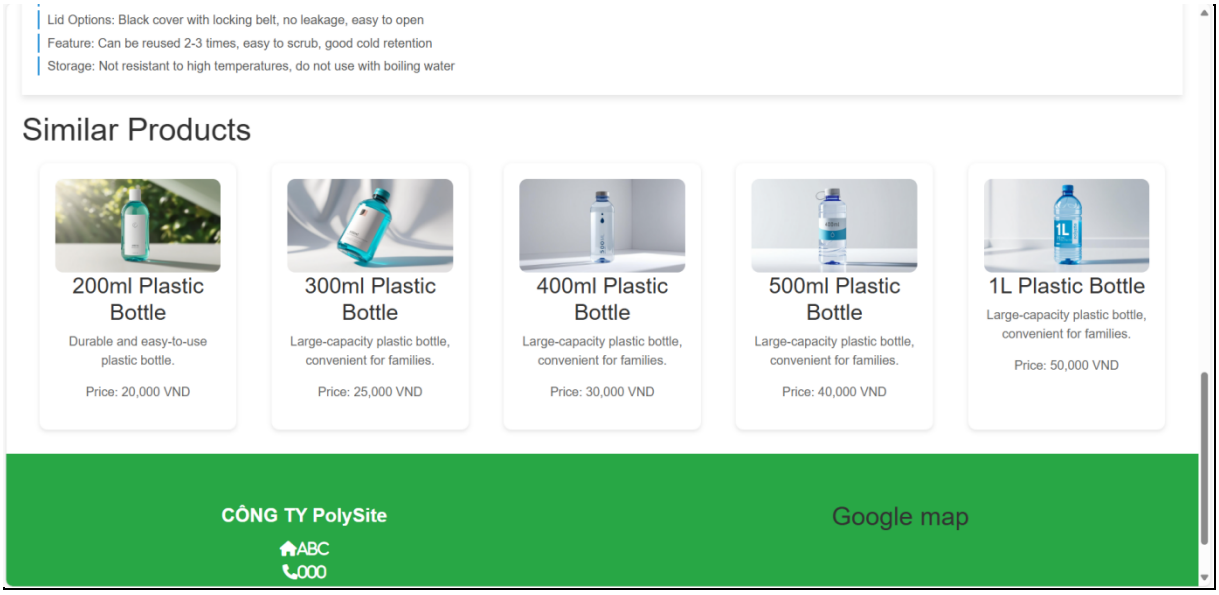
From : Open from any other page with a menu bar

To **:** From this website, the product detail page can be opened by clicking on the see more button in the description, any other website included in the menu bar

IV. Detail:


POLYSITE
Home Page
About Us
Products
Services
Library
Contact Us
Product Search
Search products
Search
GO
GREEN
100ml Plastic Bottle
Retail price: 2000 VND


100ml Plastic Bottle
Retail price: 2000 VND
Quantity: 1
Buy Now
Get a Quote ->
Detail
Product Information
Product Name: 100ml Plastic Bottle
Material: PET plastic (Polyethylene terephthalate)
Capacity: 100ml
Size: Contact
Bottle Neck Diameter: 28mm
Bottom: 4.5cm

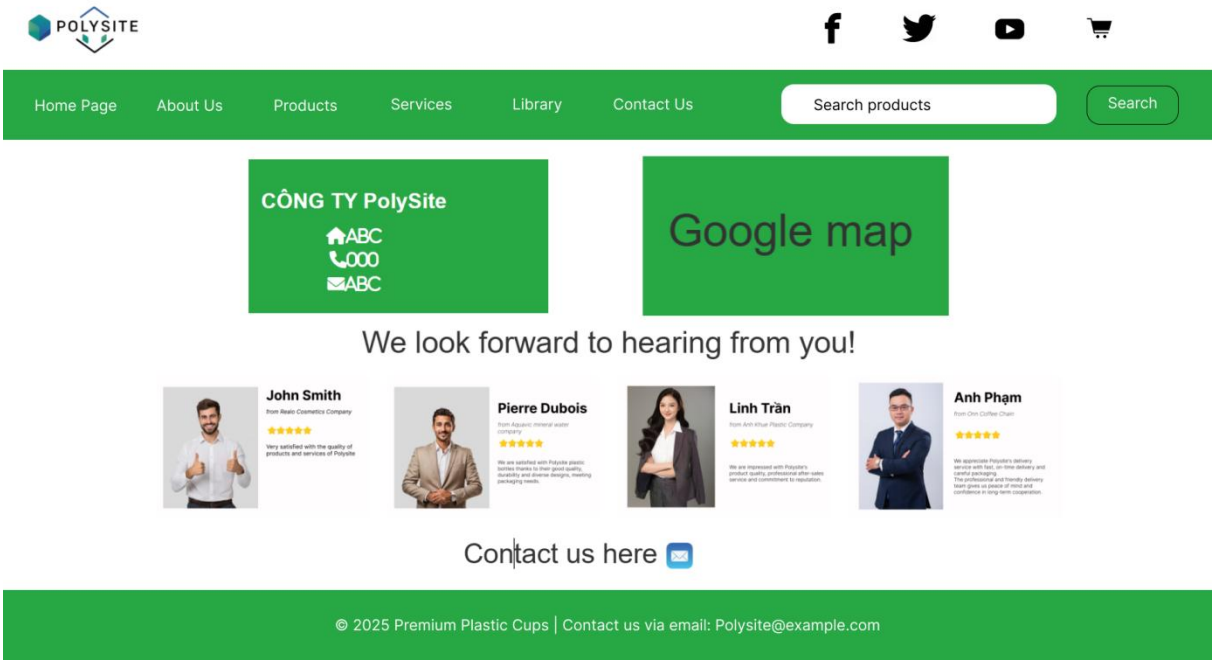


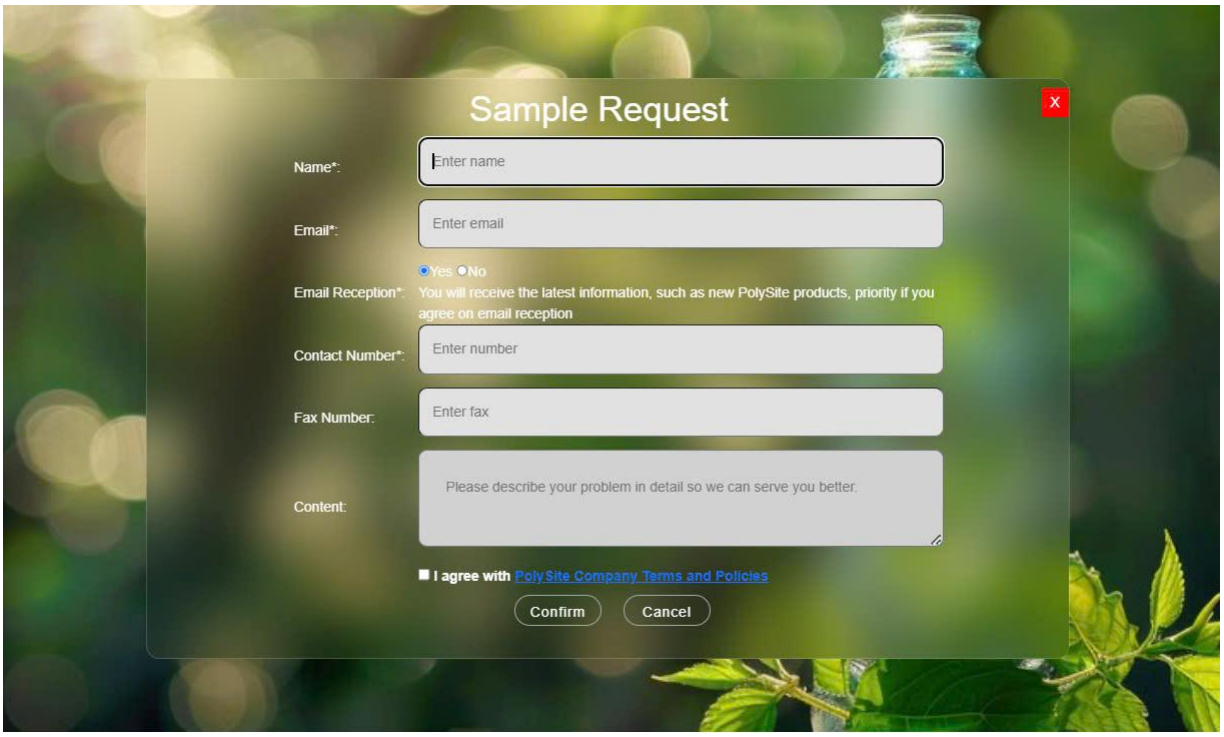
Description : This is a website that contains detailed information about a specific product of the PolySite company

From : Opened from the products page by clicking on the “See More” button in the description

To **:** From this website it is possible to open any other website that is in the menu bar

V. Contact Us and Feedback:





Description : This is the website containing the main contact recording form to the company via email. At the same time, it shows reviews from Polysite's partners. In addition, the footer also adds other contact information channels such as Facebook, Tiktok, Instagram, Switer.

From : Open from any other page with a menu bar

To **:** From this website it is possible to open any other website that is in the menu bar

VI. Services:

<table>
<tr><td colspan="3">Logo</td><td colspan="2">Icon Facebook</td><td>Icon Twitter</td><td>Icon Youtube</td><td>Shopping Cart</td></tr>
<tr><td>Home</td><td>About Us</td><td>Products</td><td>Services</td><td colspan="2">Library</td><td>Contact Us</td><td>Product Search</td></tr>
<tr><td colspan="8">Images and descriptions of services overview</td></tr>
<tr><td colspan="4">Contact Information</td><td colspan="4">Google API</td></tr>
</table>

Description : This website contains an overview of PolySite's services

From : Open from any other page with a menu bar

To **:** From this website it is possible to open Services Detail page and any other website that is in the menu bar

VII. Services Detail:

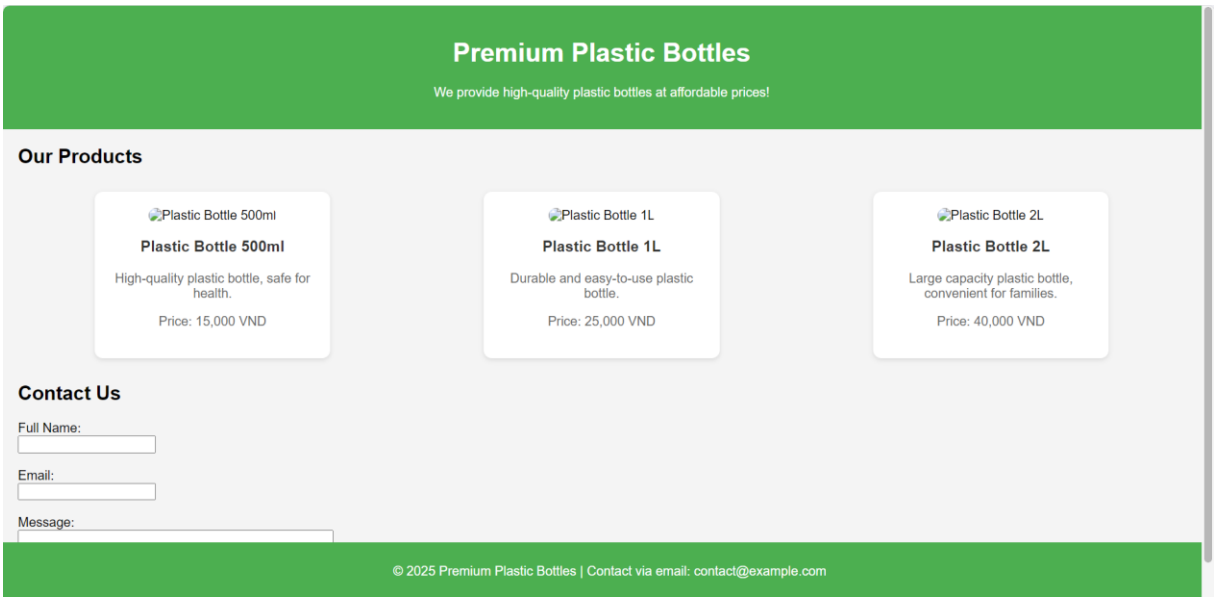
<table>
<tr><td colspan="3">Logo</td><td colspan="2">Icon Facebook</td><td>Icon Twitter</td><td>Icon Youtube</td><td>Shopping Cart</td></tr>
<tr><td>Home</td><td>About Us</td><td>Products</td><td colspan="2">Services</td><td>Library</td><td>Contact Us</td><td>Product Search</td></tr>
<tr><td colspan="8">Image</td></tr>
<tr><td colspan="8">Service Description</td></tr>
<tr><td colspan="5">Contact Information</td><td colspan="3">Google API</td></tr>
</table>

Description: This website contains detailed information about PolySite's services

From: Open from any other page with a menu bar

To: From this website it is possible to open any other website that is in the menu bar

VIII. Library:

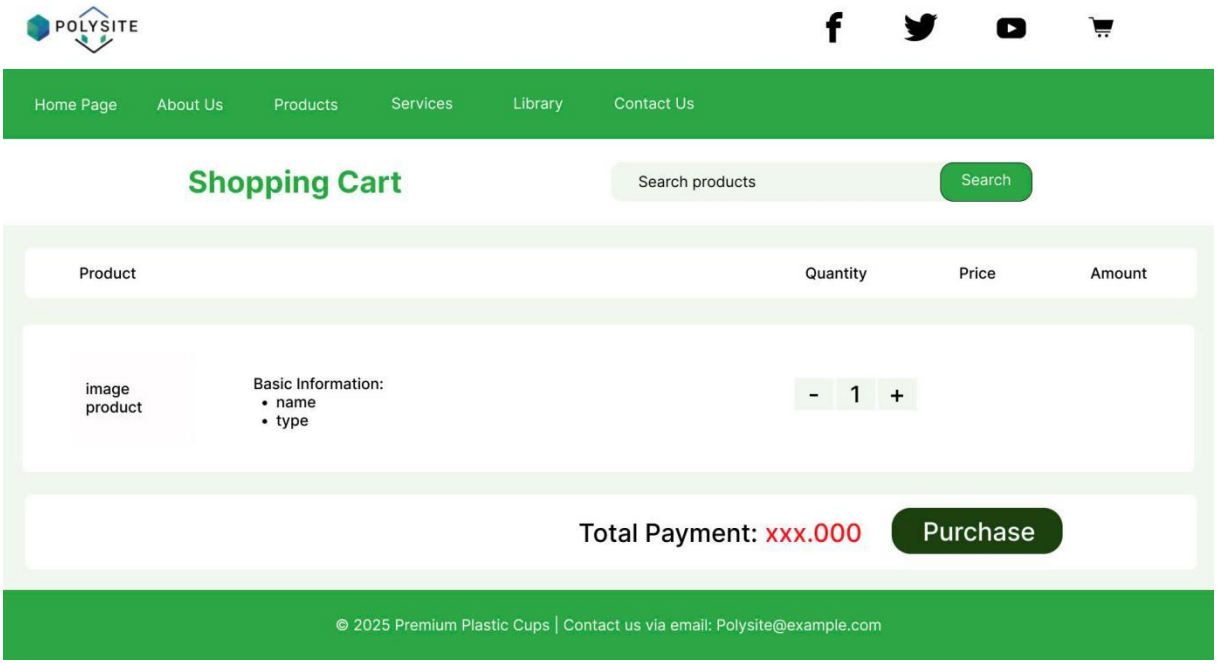


Description: Website contains images, basic information and prices of PolySite products

From: Open from any other page with a menu bar

To: From this website it is possible to open any other website that is in the menu bar

IX. Shopping Cart

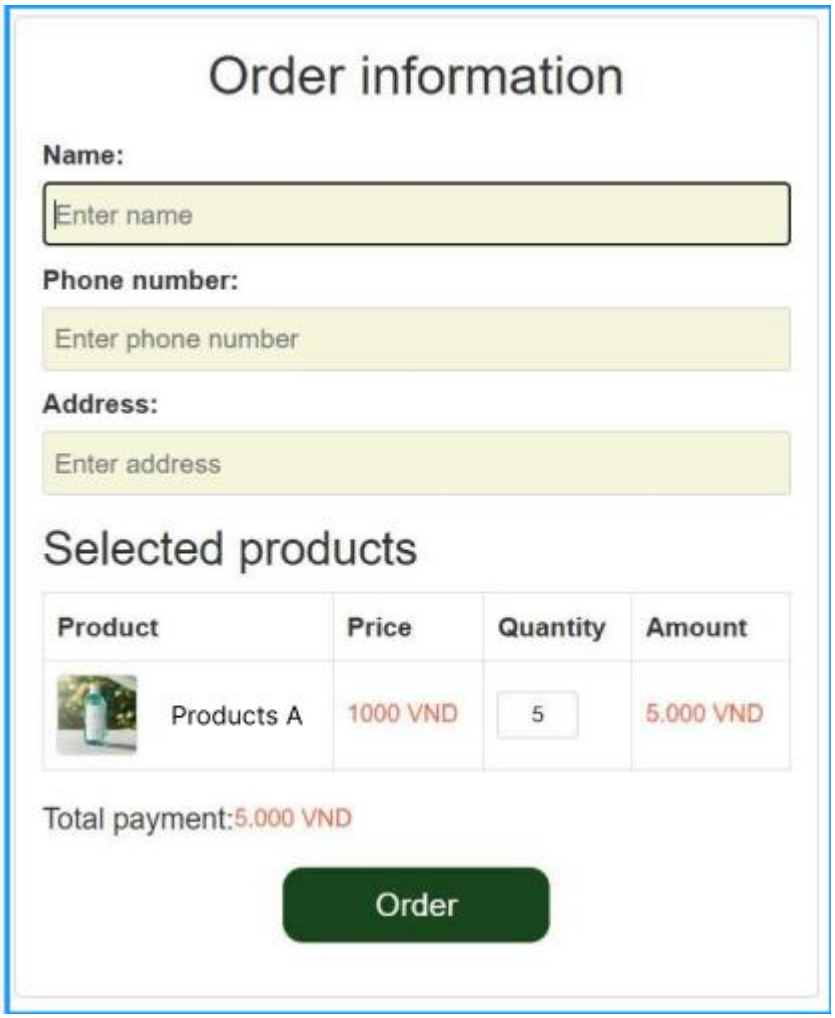


Description: This website contains information about the products that customers want to order

From: Open from any other page with a menu bar

To: From this website it is possible to open any other website that is in the menu bar

X. Order



Description: This page is used for customers to enter their purchase information including name, phone number and address and review the list of products ordered

From: Opens from the shopping cart page

To: From this page, the company will receive the customer's order information

Checklist of Validation

Sr.No	Features Tested	Remarks
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Submit checklist

Sr.No	Aspected Tested	Suggestion/ Remarks
1	Are all the users able to view the images and links?	
2	Have all the views, modules and controllers been properly integrated and is the site function as a single page application?	
3	Are the GUI content devoid of spelling mistakes?	
4	Is the application user-friendly?	
5	Is the Website launching correctly in all popular browsers?	
6	Are all the forms validated with proper criteria?	
7	Do all text links lead to the appropriate website?	
8	Do all image links lead to the appropriate website?	
9	Are all the images and links clearly visible on the page?	
10	Does the Web page work properly in all the tested browsers?	
11	Does the Web page take too long to be loaded fully?	
12	Is the navigation sequences correct through all the Web pages on the site?	
13	Is the JavaScript code working as expected in all click events?	

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 07	Mr. LE THANH NHAN
Signature		
Date		

No	Member	Contents	Page Name	Activity Plan	Date of Preparation of Activity Plan		
				Planed Start Date	Actual Start Date	Actual Days	Status
1	Huỳnh Quốc Huy	Homepage	Homepage.jsx Search.jsx Latest News.jsx	15-02-2025	19-02-2025	5	OK
2	Lê Trung Hiếu	Service Library	Service.jsx Library.jsx Service Detail.jsx	15-02-2025	19-02-2025	5	OK
3	Trần Hoàng Anh	About Us Product Layout	About Us.jsx Product.jsx Product Detail.jsx Layout.jsx Navbar.jsx Carousel.jsx Footer.jsx	15-02-2025	19-02-2025	5	OK
4	Lê Thị Hạnh Mai	Contact Us and Feedback	Contact.jsx Feedback.jsx Shopping Cart.jsx Order.jsx	15-02-2025	19-02-2025	5	OK

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 07	**Mr. LE THANH NHAN**
Signature		
Date		

	Prepared by (Student)	**Approved by (Faculty)**
	Project Group No: 07	**Mr. LE THANH NHAN**
Signature		
Date		