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**FPT-APTECH COMPUTER EDUCATION**

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**Global Heritage**

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<b>Semester:</b>	1	
<b>Batch No:</b>	T1.2406.E1	
<b>Group No:</b>	3	
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Date: Sep - 2024

**This is to certify that**

Mr. Van Quang Quoc Dat

Mr. Nguyen Quang Truong

Mr. Pham Hoai Nam

**Have successfully designed & developed:**

eProject: Global Heritage

**Submitted by:**

Mr. Le Mong Thuy

**Date of issue:**

26/09/2024

**Authorized Signature:**

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## **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 Aptech. 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

### 1. Introducing

The “**Global Heritage**” project is an interactive web application developed to provide users with a comprehensive digital gateway to the world's most significant historical monuments. The website allows users to explore historical landmarks through geographical regions, from East to West and North to South. It serves as an educational tool while delivering an engaging, interactive experience through modern technologies.

### 2. Objective of the Project

- To offer users detailed insights into global historical monuments in a visually engaging and accessible way.
- To categorize monuments based on geographical regions (East, North, West, South), making it easier for users to discover and explore.
- To integrate images, history, and geographical maps, providing a complete view of each monument.
- To build a responsive, mobile-friendly Single-Page Application (SPA) that adheres to modern design and interaction standards.

### 3. Scope of the Project

The website will focus on major historical monuments, including the **Seven Wonders of the World** and other significant landmarks across different regions. In addition to core features, the platform will provide interactive elements such as:

- **Map Integration:** Users can view monument locations on a map (Google Maps) with accurate coordinates.
- **Photo Gallery:** A collection of images displaying various historical sites with detailed descriptions.

- **User Feedback Form:** An interactive form that allows users to submit feedback without leaving the page.

#### 4. Key Features

- **Home Page:** An overview of the project, with a slideshow of prominent historical landmarks.
- **Monument Classification:** Monuments will be categorized by geographical region (East, North, West, South), with details like images, descriptions, and historical information.
- **Interactive Map:** Each monument will be displayed on a map using its geographical coordinates.
- **Gallery:** A visual gallery showcasing high-quality images of monuments with a lightbox viewing feature.
- **User Feedback:** A form integrated to submit user feedback without reloading the page

#### 5. Technology Stack

- **Frontend:** HTML5, CSS3, JavaScript, Bootstrap, and React for building a responsive and interactive user interface.
- **API Integration:** Google Maps API will be used to display monument locations and provide geographic interactivity.
- **Design Tools:** Figma will be used for UI/UX design and planning before development.

#### 6. Expected Outcome

- A website that functions seamlessly across various browsers (Chrome, Firefox, Safari, IE) and devices (desktop, tablet, mobile).



- Users will have an intuitive and informative experience as they explore the world's historic landmarks.
- The project will provide an engaging platform for both general users and students to deepen their knowledge of history.

## **7. Conclusion**

The "**Global Heritage**" project offers an educational and interactive platform that increases awareness of the world's most important historical monuments. By leveraging modern technology and rich content, the project promises to deliver a unique and valuable user experience.

# ANALYSIS

## 1. Requirement Analysis

- **Display of Historical Monuments:** The website must showcase key historical monuments around the world, categorized by geographical regions (East, North, West, South). For each monument, detailed information such as name, description, history, and images must be provided.
- **Interactive Map:** The website should include an interactive map (powered by Google Maps API) that allows users to locate monuments geographically and view details by clicking on map markers.
- **User Feedback System:** The website will include a feedback form where users can submit comments, suggestions, or reviews without refreshing the page.
- **Image Gallery:** A photo gallery will display images of various monuments, with an option for users to enlarge images using a lightbox feature.
- **Responsive Design:** The website must adapt to different devices (desktop, tablet, mobile) and work across multiple browsers (Chrome, Firefox, Safari, Internet Explorer).

## 2. Target Audience Analysis

- **General Users:** People with a casual interest in world history and historic monuments. They need an easy-to-navigate interface with clear information and engaging visuals.
- **Students and Educators:** Students, teachers, and researchers who need quick access to detailed information on historic sites for educational purposes.

### 3. Technology Analysis

#### 3.1. Frontend Technology

- **HTML5/CSS3:** The structure and styling of the website will be built using HTML5 and CSS3. CSS will handle responsive design to ensure that the website adjusts seamlessly across different devices.
- **JavaScript:** JavaScript will handle client-side interactivity, such as animations, form submissions, and dynamic loading of monument data.
- **Bootstrap:** Bootstrap will be used for grid layout, responsiveness, and pre-built UI components to speed up development.
- **Google Maps API:** This will be used to display an interactive map where users can locate and explore monuments by clicking on markers.
- **ReactJS:** React.js will play a vital role in developing the user interface for the "Global Heritage" project.

#### 3.2. Design Tools

- **Figma:** Figma will be used to design the user interface, creating wireframes, mockups, and prototypes to ensure the website is visually appealing and user-friendly.

### 4. Interface and Interaction Analysis

#### 4.1. User Interface (UI)

- **Homepage:** Includes a banner or slideshow featuring key monuments, with links to explore monuments by region (East, North, West, South).
- **Monument Listing:** Each region will have a dedicated section with thumbnails and descriptions of major monuments. Users can click on a monument to learn more.

- **Interactive Map:** A Google Maps embed will allow users to view and explore monument locations by clicking on markers, which will display a pop-up with additional information.
- **Gallery:** A grid-based photo gallery, allowing users to click on thumbnails to enlarge the images in a lightbox.
- **Feedback Form:** A clean, simple form for submitting comments or suggestions.

#### **4.2. User Interaction (UX)**

- **Seamless Navigation:** The Single-Page Application (SPA) design ensures that users can explore the site without the need for constant page reloads.
- **Responsive Design:** The layout and design will automatically adjust to different screen sizes, ensuring an optimal experience on both mobile devices and desktops.
- **Interactivity:** Features like the map, gallery, and feedback form will enhance user engagement, making the site dynamic and informative.

# **CUSTOMER'S REQUIREMENTS SPECIFICATIONS**

**Client: Global Heritage**

## **1. Overall Objective**

Develop an interactive website that allows users to explore historic monuments around the world through features like interactive maps, images, detailed descriptions, and user feedback.

## **2. Key requirements**

### **2.1.Monument Classification by Geographical Regions**

- The website will categorize monuments into four major geographical regions: East, North, West, and South.
- Each region will list important monuments with basic information including the name, description, history, and images.
- A “Read More” option will allow users to access more detailed information about each monument.

### **2.2.Interactive Map**

- Google Maps will be integrated to display the geographical locations of historical monuments.
- Map markers will be used to represent each monument on the map.

### **2.3.Image Gallery**

- The website will include a photo gallery displaying images of monuments in a grid format.
- Users can click on an image to view it in a larger, detailed lightbox format.

## **2.4. User Feedback**

- A feedback form will allow users to submit comments or suggestions without leaving the page.
- Feedback will be stored and displayed for the website administrator to review.

## **2.5. Homepage Features**

- The homepage will feature a project introduction with a slideshow showcasing prominent historical monuments.
- Users can navigate to different sections of the website using a fixed navigation bar.

## **3. Technology Stack**

- **Frontend:** HTML5, CSS3, JavaScript, React, Bootstrap for building the user interface and interactive functionality.
- **Google Maps API:** For displaying the geographical locations of monuments with interactive map markers.
- **Light Backend:** Monument data and user feedback can be stored using JSON or TXT files.

## **4. Scalability**

- The website will be designed to easily expand with additional monuments from around the world without disrupting the current architecture.

## SCOPE OF THE WORK (IN BREIF)

### 1. Project Overview

The "**Global Heritage**" project aims to develop an interactive website that allows users to explore significant historical monuments around the world. The website will feature geographical categorization, an interactive map, and user engagement through feedback forms. The goal is to educate users about historical sites while providing an engaging and user-friendly experience.

### 2. Functional Requirements

The website shall display detailed information about each historical monument, including:

#### **Monument Information Display:**

- **Name:** The official name of the monument.
- **Location:** The geographical location (country or city) of the monument.
- **Description:** A brief overview of the monument's significance.
- **Historical Significance:** Information about the history and relevance of the monument.
- **Images:** At least one high-quality image representing the monument.

#### **Geographical Categorization:**

Monuments shall be categorized into four geographical regions:

- East
- North
- West
- South
- 7 Wonders

### **Interactive Map Integration:**

- The website shall integrate Google Maps API to display the location of each monument with clickable markers.

### **User Feedback System:**

- The website shall include a feedback form allowing users to submit comments and suggestions without reloading the page (using AJAX).
- User submissions must include fields for name, email, and feedback content.

### **Image Gallery:**

- The website shall feature a gallery of images for each monument.
- Users shall be able to click on thumbnails to view images in a larger format (lightbox).

## **3. User Interface (UI) Requirements**

### **Homepage Layout**

- The homepage shall feature a slideshow showcasing prominent historical monuments and a navigation bar for easy access to different sections.

### **Navigation**

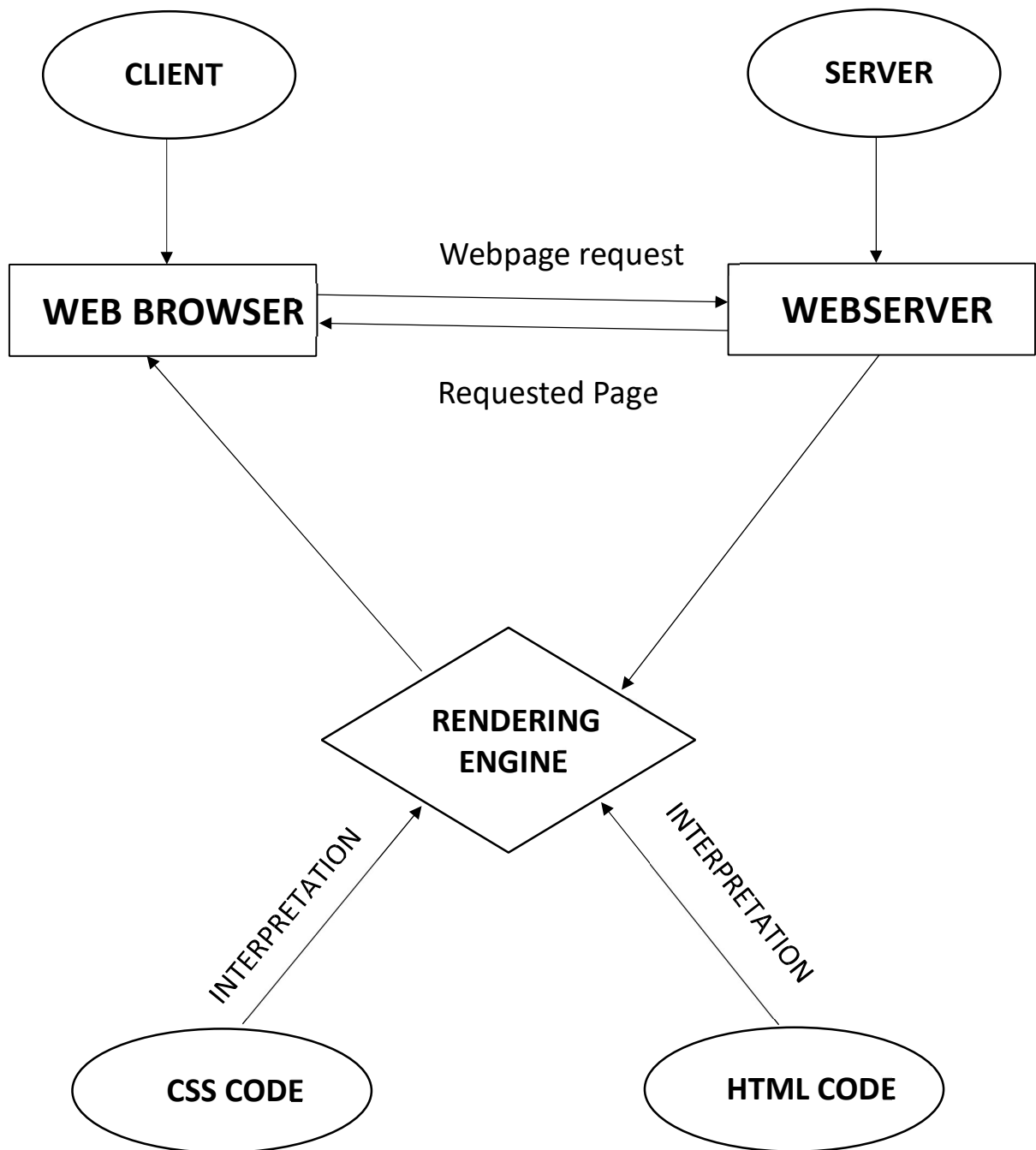
- The navigation bar shall remain fixed at the top of the page for user convenience.

### **Color Scheme**

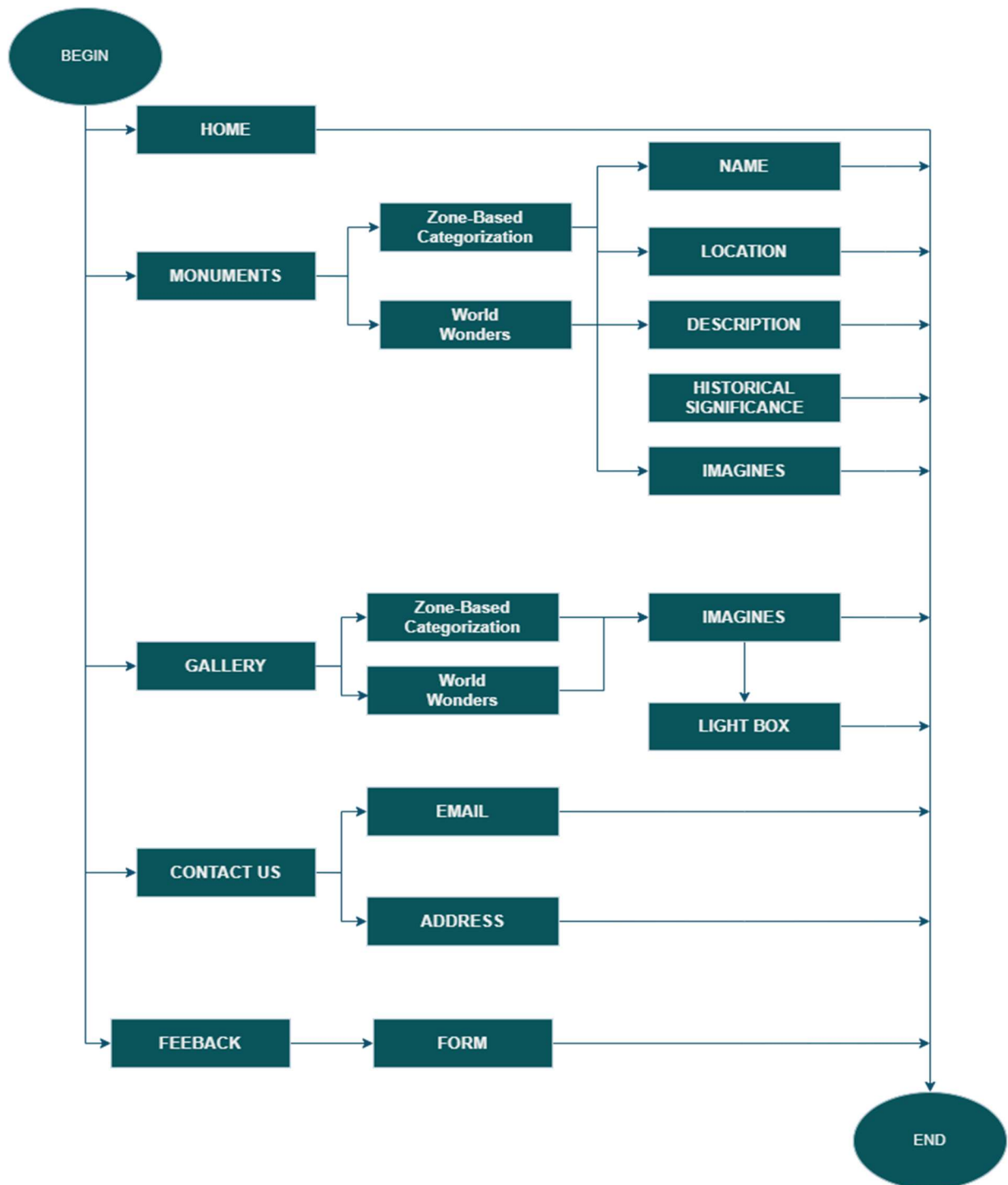
- The website shall use a color scheme that reflects a historical theme, with easy-to-read fonts and clear contrast.



## ARCHITECTURE AND DESIGN OF THE SYSTEM



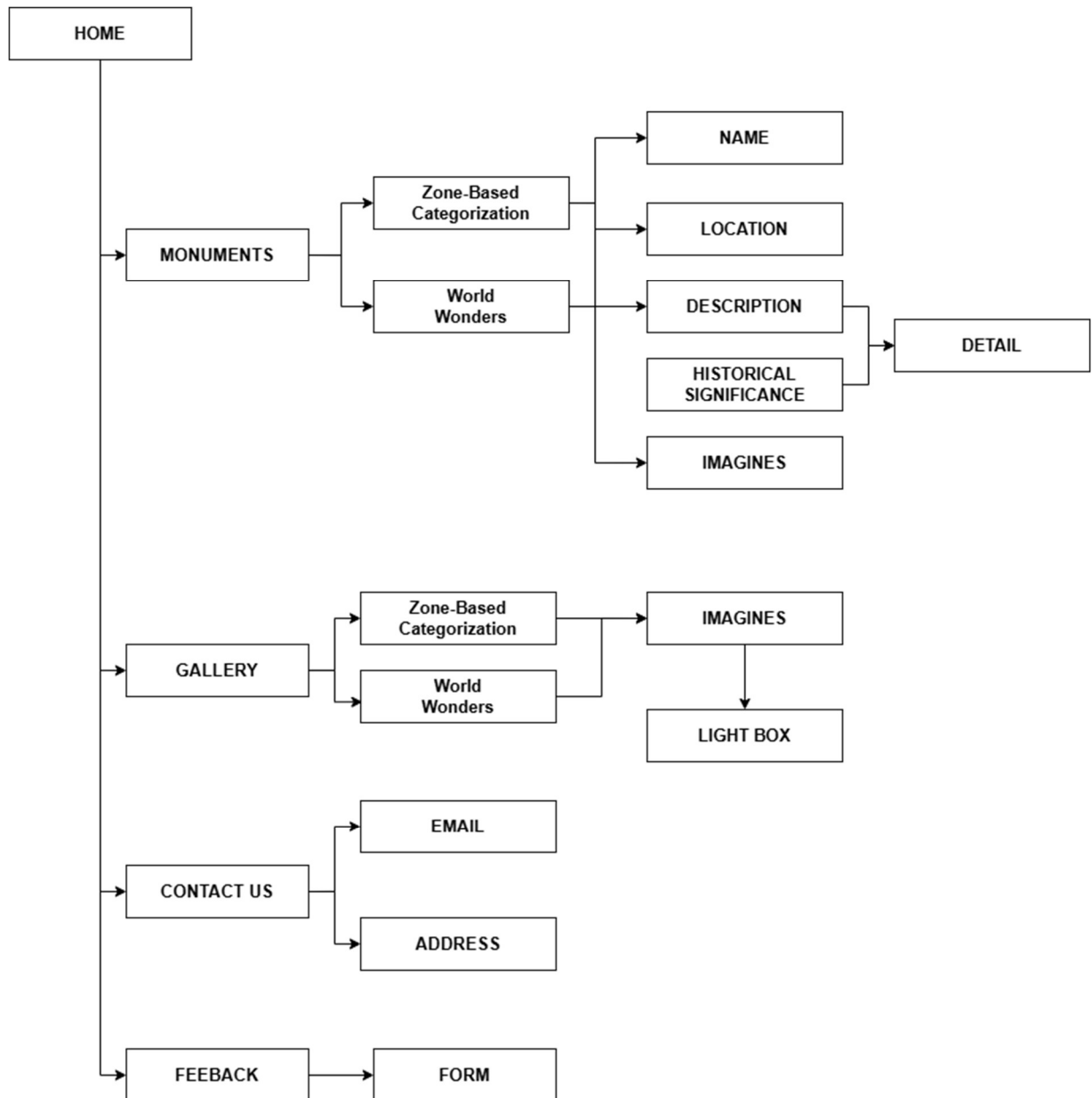
## DIAGRAM OF THE WEBSITE



## TASK SHEET REVIEW 1

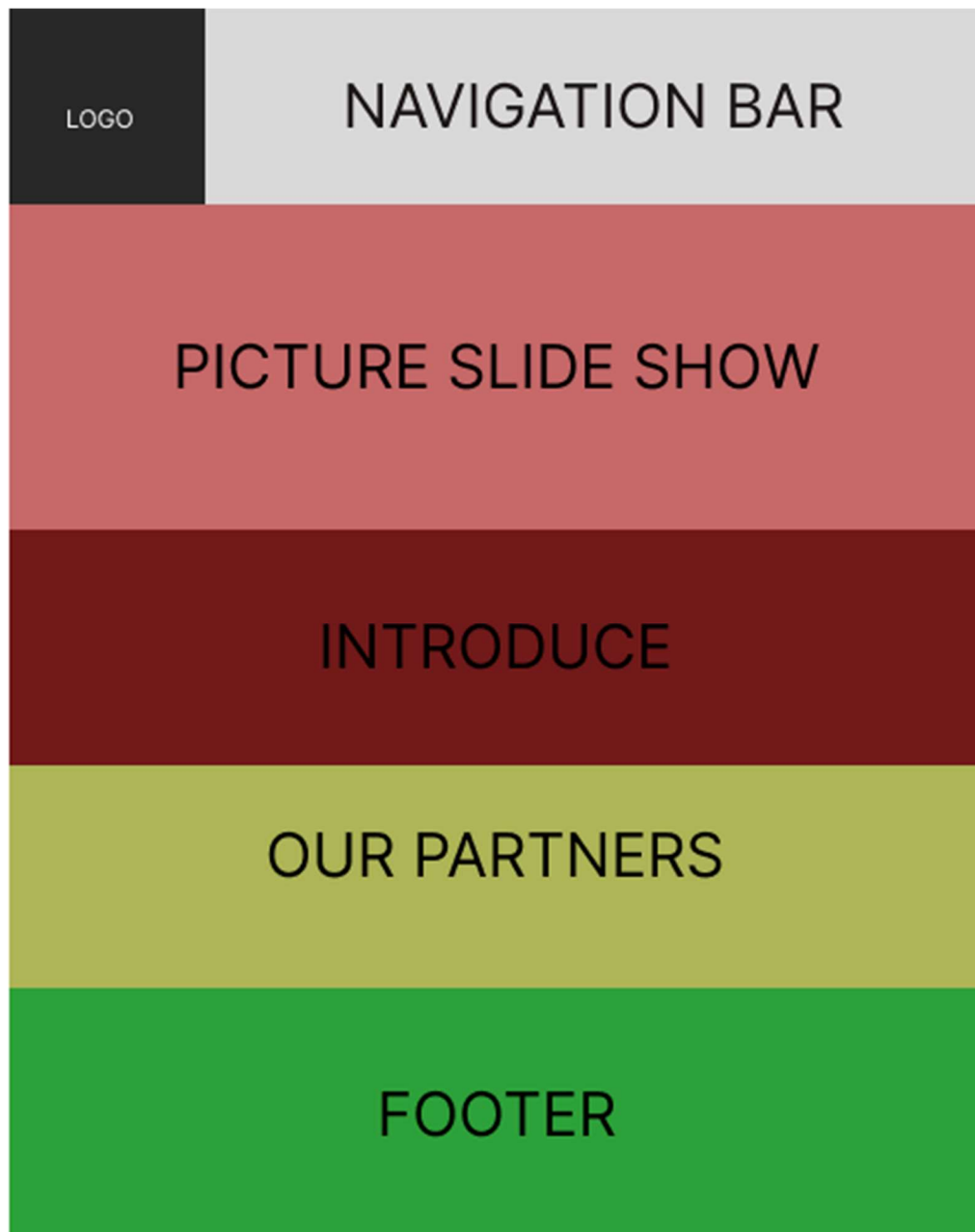
<b>Project Ref. No.: eP/Advertisement Portal Management System/01</b>		<b>Project Title:</b>	<b>Activity Plan Prepared By:</b>	<b>Date of Preparation of Activity Plan:</b>			
Sr. No	Task	Global Heritage	Dat	Actual Start Date	Actual Days	Team Mate Names	Status
1	Synopsis			26/09/24	1	Dat	Complete
2	Analysis			26/09/24	1	Truong	Complete
3	The scope of the work(in brief)			26/09/24	1	Nam	Complete
4	Architecture and design of the system			26/09/24	1	Dat	Complete
5	Diagram of the website			26/09/24	1	Truong	Complete
6	Task Sheet review			26/09/24	1	Nam	Complete
<b>Date: 27/09/2024</b>							
Signature of Instructor:   <b>Le Mong Thuy</b>			Signature of Team Leader:   <b>Van Quang Quoc Dat</b>				

## SITE MAP

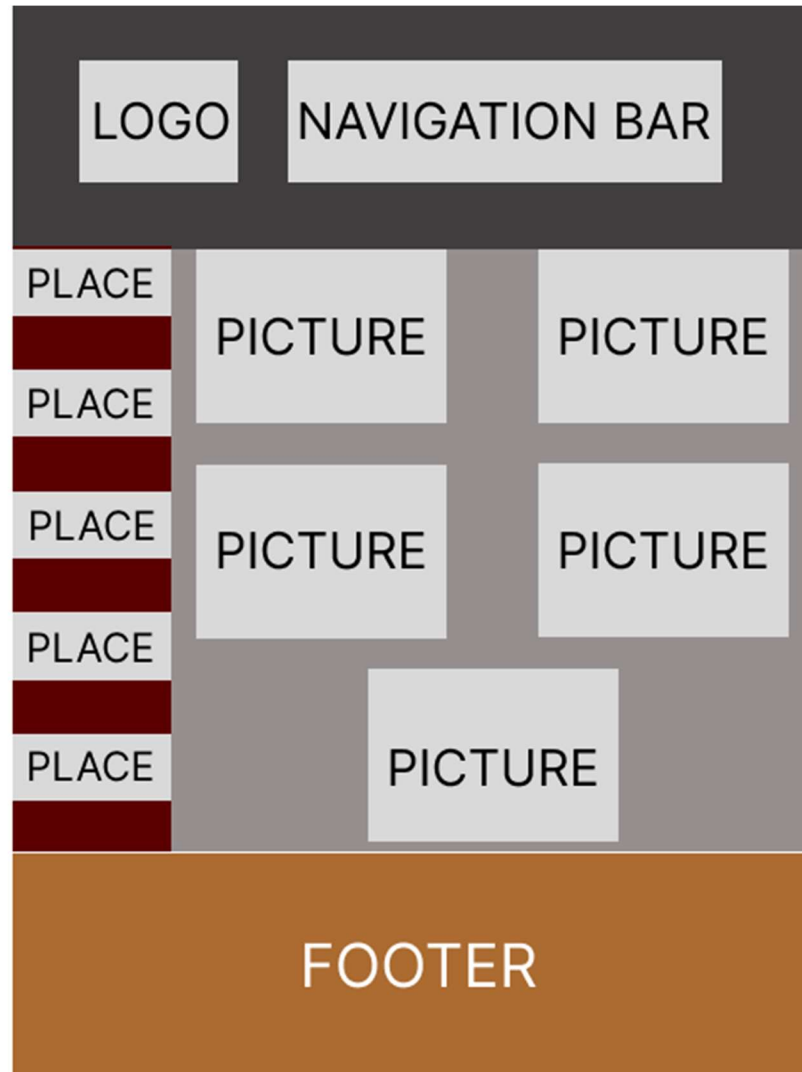


## MOCK OF THE WEBSITE

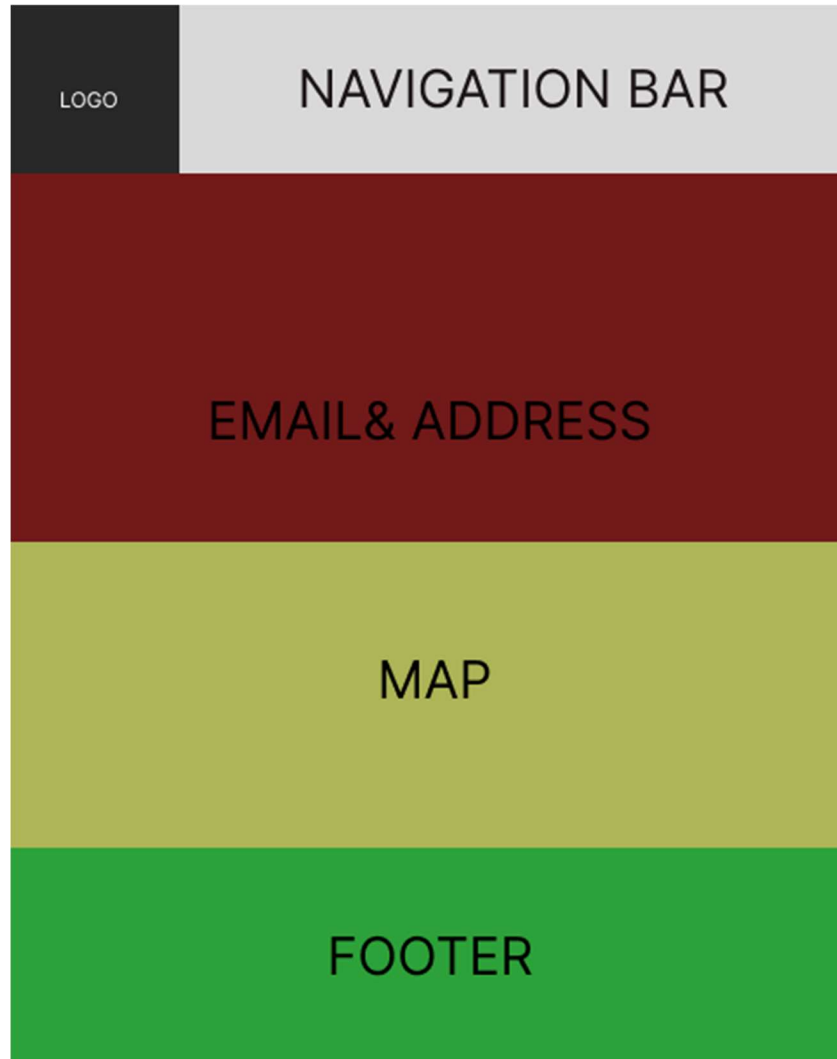
### 1. Home Page



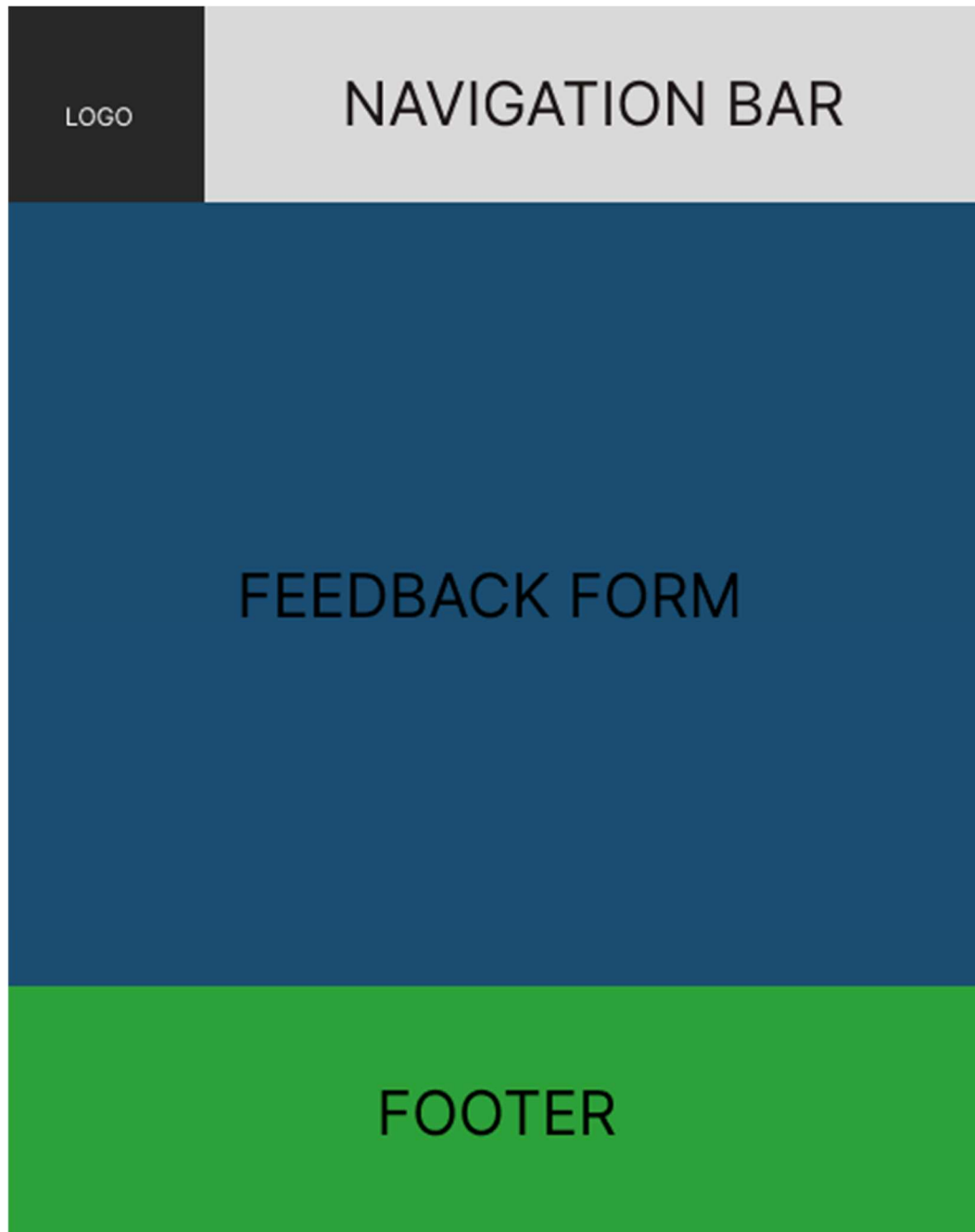
## 2. Monuments page



### 3. Contact us page



#### 4. Feedback page





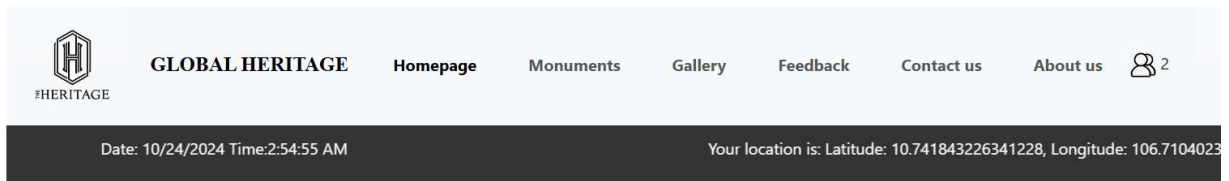
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## WEBSITE DESCRIPTION

### 1. Header & Footer

#### a. Header

- **Logo:** Logo of the website located on the far left of the header.
- **Page Title:** Global Heritage.
- **Navigation Bar:** Positioned next to the logo and responsive, with a dropdown menu.
- **Visitor Count:** Contains a logo and count displayed on the far right.
- **Scrolling Ticker:** Located below the navigation bar, featuring:
  - Display of the current date and time.
  - Display of the visitor's current location.



#### b. Footer

- **Client Support**
  - **Leader Phone:** Contact number for client support.
- **Logo:** The logo of the website.
- **About Us:** A brief introduction about the webpage.
- **Copyright:** Information regarding copyright ownership.



## 2. Home page

**A carousel or slideshow displaying famous images of historical monuments.**



### Introduction

#### Introduction

**Welcome to Global Heritage: Explore the World's Historic Monuments!**

We are an online platform designed to help you discover and learn about the most iconic historical landmarks around the globe. Our mission is to inspire, educate, and connect people with the rich cultural and historical wealth of our planet.

#### Why Global Heritage?

The world is filled with stories hidden within each historical monument. From architectural wonders to culturally significant sites, we provide detailed information, stunning images, and references about these landmarks, making it easy for you to explore and appreciate them.

#### Discover the Monuments Explore by Region:

- **Explore by Region:** Learn about monuments categorized by geographical zones such as East, West, North, and South.
- **Photo Gallery:** Admire breathtaking images of various historical monuments.
- **In-Depth Information:** Each monument is accompanied by a historical description and links to additional resources for deeper understanding.

We hope our platform serves as a source of inspiration for those passionate about history and culture. Let's embark on a journey to explore the beauty of global heritage together!

## Our Partner

### Our Partner



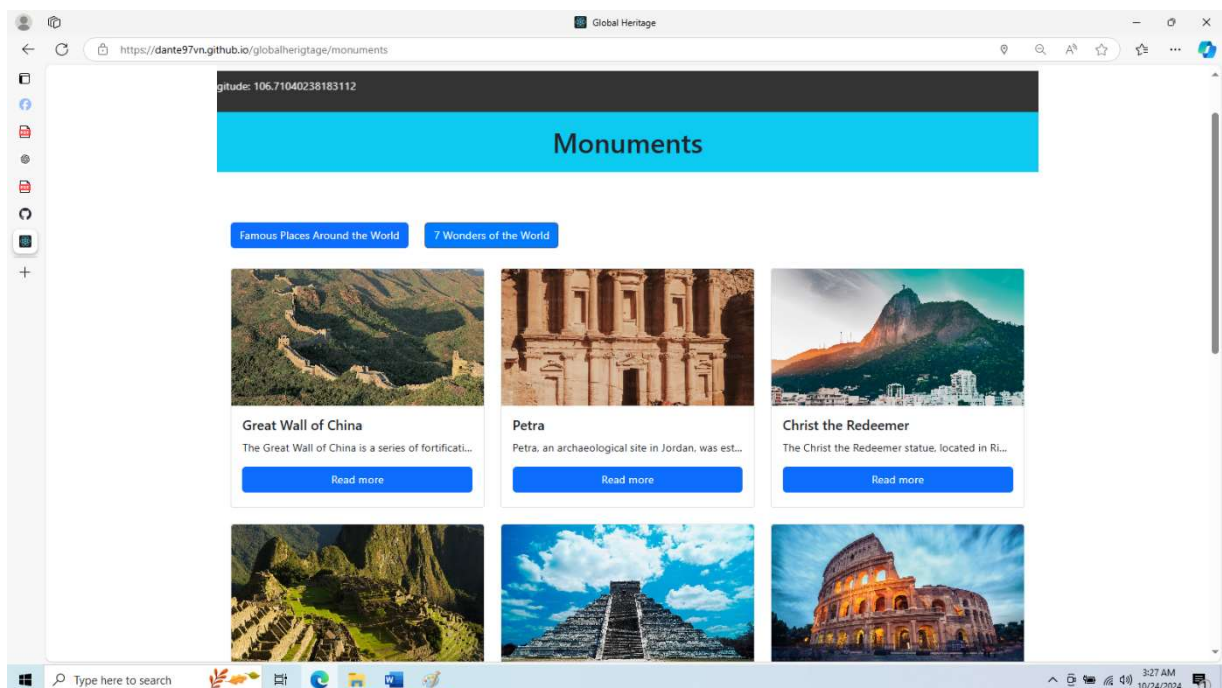
### 3. Monuments

**Zone-Based Categorization:** The monuments will be categorized by geographical zones (East, North, West, South). Each category will have expandable sections or cards displaying the monuments within that zone. Display locations on map for better view.

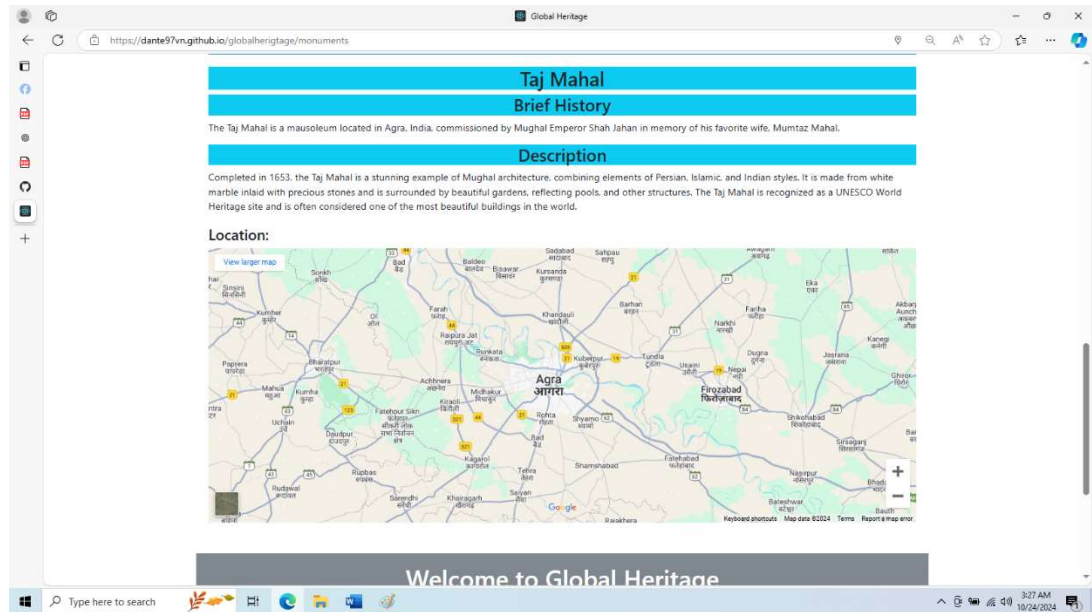
**World Wonders:** A special subsection for the Seven Wonders of the World with detailed descriptions and images.

**History and Images:** Each monument will include a brief history, images, and a "Read More" option for detailed information.

- Display the monuments with read more



- When you click read more

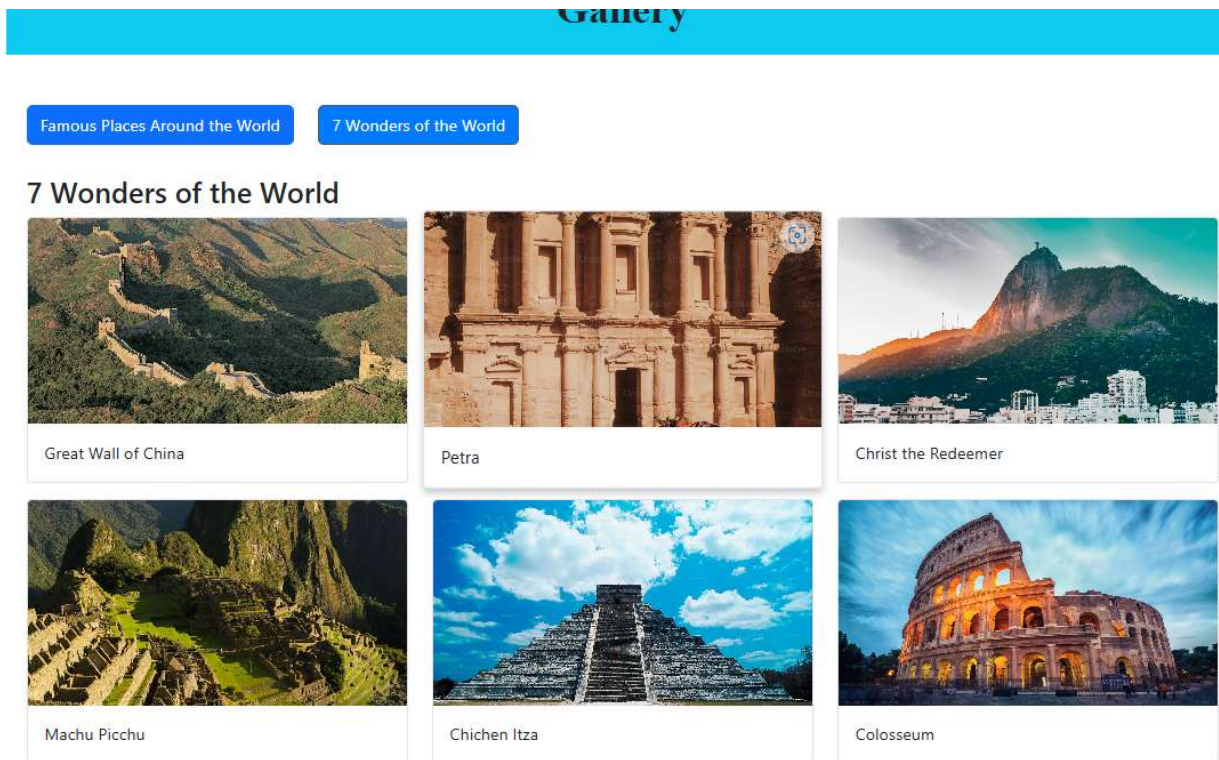




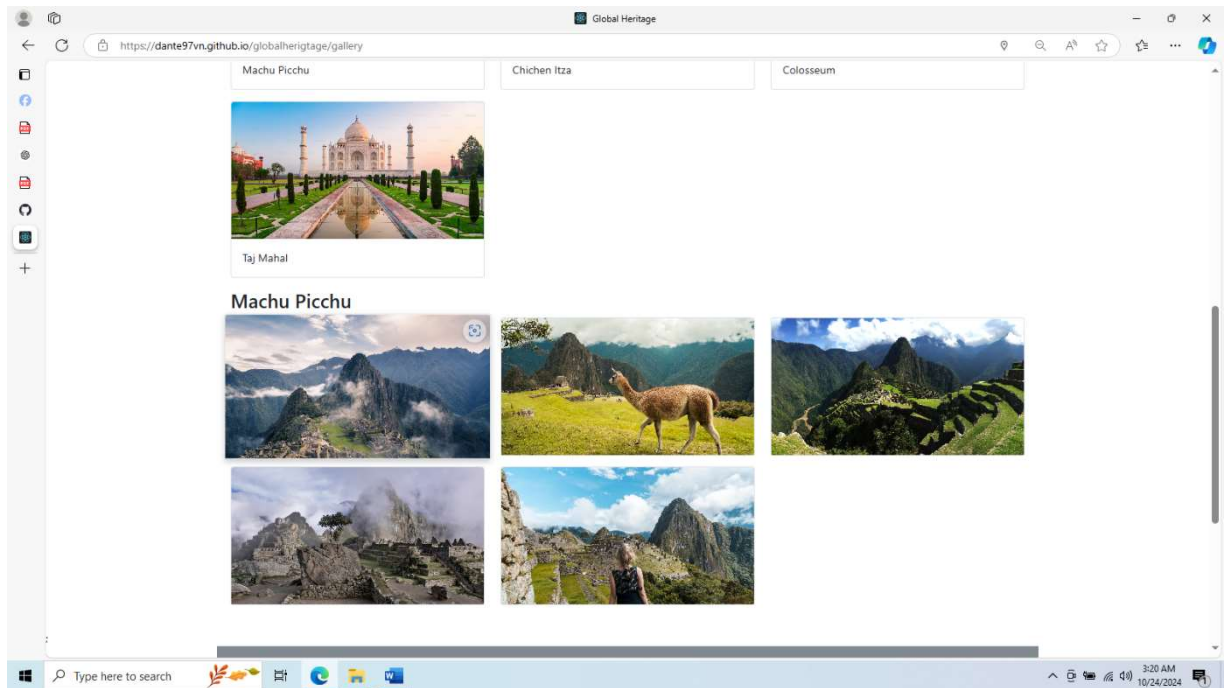
## 4. Gallery

A visual gallery showcasing images of various historical monuments. Users can click on thumbnails to view larger images in a lightbox format.

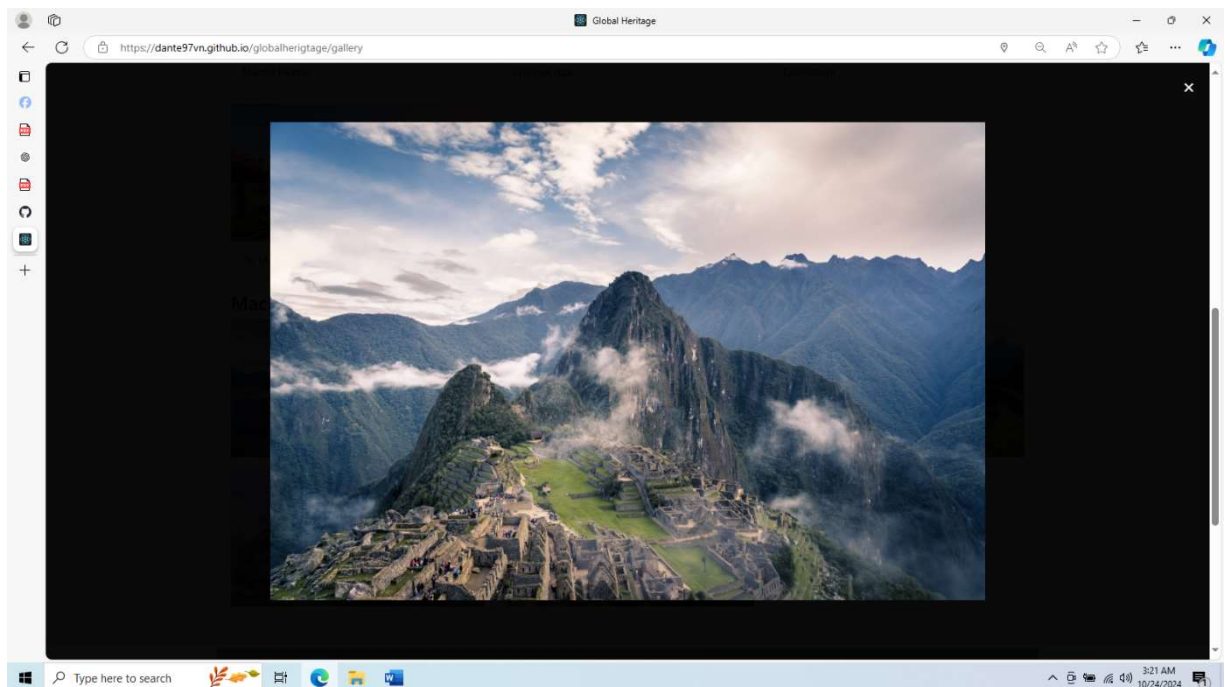
### a. Gallery with choice



**b. More 5 pictures when you choose monument and click it**



**c. Lightbox will appear when you click one of five pictures**

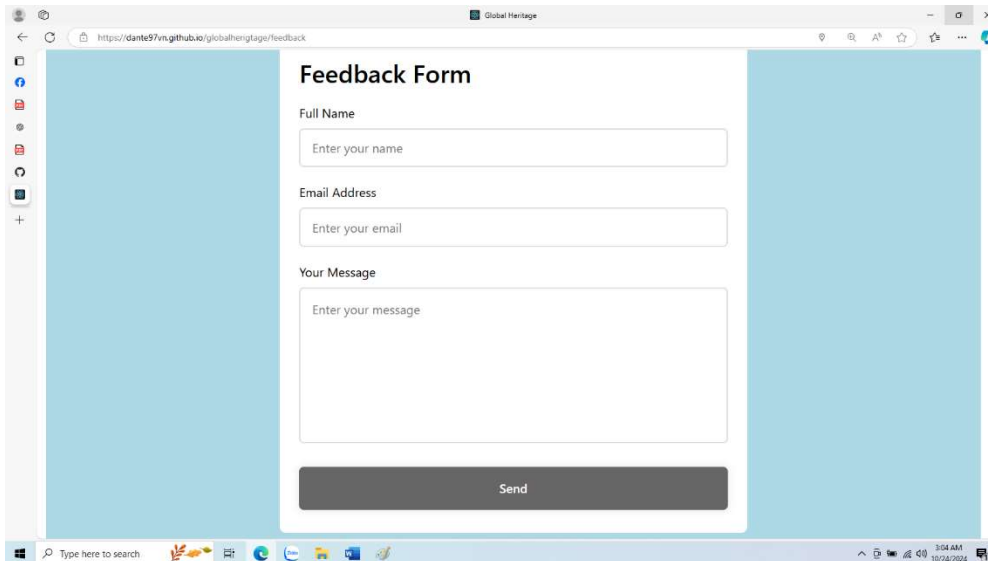




## 5. Feedback

An interactive form where users can provide feedback about the website or the monuments. This will be integrated into the same page, allowing users to submit feedback without leaving the page.

### a. Feedback Form

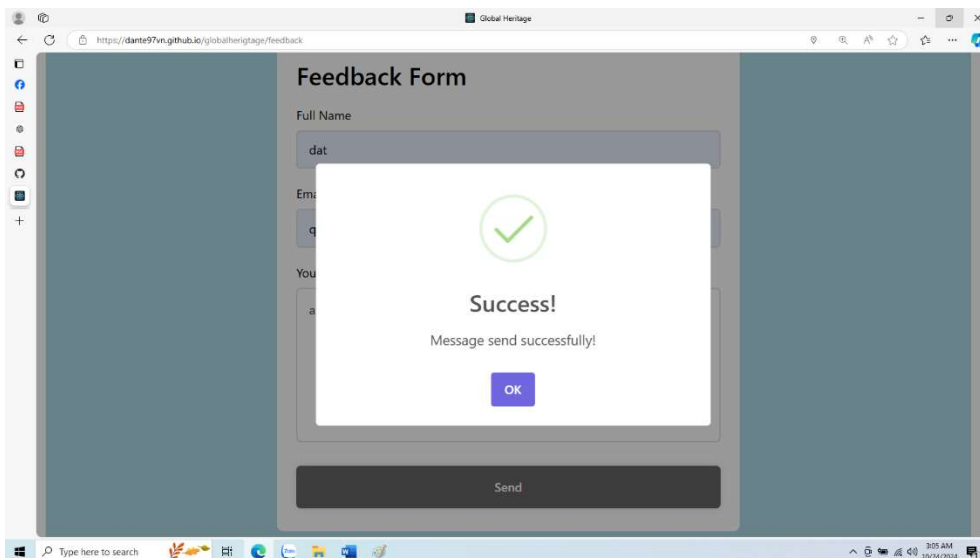


The screenshot shows a web browser window with the URL <https://dante97vn.github.io/globalheritage/feedback>. The page title is "Global Heritage". The main content is a "Feedback Form" with the following fields:

- Full Name**: A text input field with the placeholder "Enter your name".
- Email Address**: A text input field with the placeholder "Enter your email".
- Your Message**: A text area with the placeholder "Enter your message".
- Send**: A dark grey button at the bottom of the form.

The form is set against a light blue background. The browser's taskbar at the bottom shows the time as 3:04 AM on 10/24/2024.

### b. When the feedback form is successfully submitted



The screenshot shows the same web browser window as in the previous image, but with a success message overlay. The "Feedback Form" is dimmed in the background. The success message is displayed in a white box with a green checkmark icon and the text:

**Success!**  
Message send successfully!

Below the message is a purple "OK" button. The "Send" button from the form is still visible at the bottom of the dimmed form area. The browser's taskbar at the bottom shows the time as 3:05 AM on 10/24/2024.

## 6. Contact us

**Company Address:** Display the company's (website development company) address using the Geolocation API (e.g., Google Maps) for visual representation.

**Email Link:** A mailto link that invokes the user's local mail client to send an email directly.

### CONTACT INFORMATION GLOBAL HERITAGE

**Address:** 590 CMT8, P.11, Q.3, Tp HCM

**Hotline:** 090 958 9097 | 0869 888 059

**Email:** [quocdatvan97@gmail.com](mailto:quocdatvan97@gmail.com)

**Website:** <https://dante97vn.github.io/globalheritage/>



### Introduce Team



Pham Hoai Nam

StudentID: Student1575502



Van Quang Quoc Dat

StudentID: Student1575498



Nguyen Quang Truong

StudentID: Student1581406

## 7. About us

The About Us section will introduce our vision, what we do, and the mission of the website.

### About Us

Welcome to **Global Heritage: Explore the World's Historic Monuments**, your ultimate digital gateway to the world's most iconic historical landmarks. Our mission is to inspire, educate, and connect people with the cultural and historical wealth of our planet.

#### Our Vision

We believe that the world's historical monuments hold timeless stories that deserve to be shared with everyone. Our goal is to bring these stories to life through a user-friendly and visually engaging platform, helping users discover, learn, and appreciate the history and significance of each monument.

#### What We Do

Our website provides detailed information, stunning images, and historical insights about the world's most famous monuments. Whether you're an avid history enthusiast, a student, or simply curious about the world, our platform is designed to give you a virtual tour of the monuments that have shaped human civilization.

- **Explore Monuments by Region:** Discover monuments categorized by geographical zones – East, North, West, and South.
- **Interactive Gallery:** Browse through a rich collection of images showcasing the beauty of historical landmarks.
- **Learn More:** Each monument is accompanied by a brief history, images, and links to additional resources for deeper learning.

#### Our Mission

To bridge the gap between cultures and histories by providing a digital space where people from all around the world can learn and appreciate the treasures of global heritage. We strive to make our content accessible and informative for users of all ages and backgrounds.

## TASK SHEET REVIEW 3

<b>Project Ref. No.: eP/Advertisement Portal Management System/01</b>		<b>Project Title:</b>	<b>Activity Plan Prepared By:</b>	<b>Date of Preparation of Activity Plan:</b>			
Sr. No	Task	Global Heritage	Dat	Actual Start Date	Actual Days	Team Mate Names	Status
1	Homepage			08/10/24	2	Nam	Complete
2	Monuments			08/10/24	3	Truong	Complete
3	Gallery			08/10/24	3	Dat	Complete
4	Feedback			08/10/24	2	Nam	Complete
5	Contact us			08/10/24	2	Truong	Complete
6	About us			08/10/24	2	Dat	Complete
<b>Date:08/10/2024</b>							
Signature of Instructor:			Signature of Team Leader:				
<b>Le Mong Thuy</b>			<b>Van Quang Quoc Dat</b>				