

# **B.M.S. College of Engineering**

(Autonomous College Affiliated to Visvesvaraya Technological University, Belgaum)

Bull Temple Road, Basavanagudi, Bengaluru – 560019



**Department of Computer Science & Engineering**

## **THE VOYAGE WANDERLUST**

(A Travel guide website)

**Course Title: Introduction to Web Programming**

**Course Code: 22CS2ESWEP**

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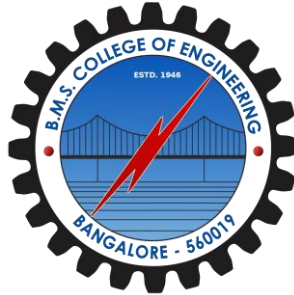
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## ***CERTIFICATE***

This is to certify that the report on “**The Voyage Wanderlust**” is a bona fide work carried out by **C Neha** bearing USN **1BM22CS074**, **Kathasagaram Aishwarya** bearing USN **1BM22CS123** and **Mahika D** bearing USN **1BM22CS142** as a part of an activity plan for the course **Introduction to Web Programming** with course code **22CS2ESWEP**, Computer Science and Engineering from Visvesvaraya Technological University, Belgaum during the year 2022 – 23. It is certified that all corrections/suggestions indicated for Internal Assessments have been incorporated in the report.

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# 1. INTRODUCTION

The "Voyage Wanderlust" website represents a dynamic and visually captivating platform tailored to cater to the avid wanderer within us. This web programming project seeks to not only ignite the spark of exploration but also provide valuable insights into some of the world's most cherished travel destinations. With a blend of HTML, CSS, and JavaScript, this website endeavors to create an immersive and user-friendly experience that resonates with individuals passionate about travel.

The fundamental purpose of this web project is to serve as a source of inspiration and information for travel enthusiasts. In a world where travel has become an integral part of our lives, "Voyage Wanderlust" aims to be a trusted companion for both seasoned globetrotters and those embarking on their maiden voyages. The website's design is geared towards providing users with an aesthetically pleasing and intuitive platform to explore a multitude of destinations, discover their unique attractions, and access valuable travel resources.

One of the standout features of this project is its commitment to responsive design. "Voyage Wanderlust" has been meticulously crafted to ensure a seamless and visually appealing experience across a variety of devices, from traditional desktop computers to the compact screens of mobile devices. This adaptability ensures that users can access and enjoy the website's content regardless of their chosen device.

The project also pays attention to interactivity, making use of JavaScript to enhance the user experience. With features like the "Sign Up" form, the website aims to foster a sense of community among travel enthusiasts, allowing them to receive updates and share their own experiences. Furthermore, the inclusion of social media links enables users to connect with the "Voyage Wanderlust" community on various platforms.

In summary, the "Voyage Wanderlust" web programming project aspires to be more than just a website; it aims to be an online companion for travelers, offering inspiration, information, and the means to connect with a global community of like-minded explorers. With a foundation built on HTML, CSS, and JavaScript, this project showcases the potential of web development to create engaging and informative digital spaces for individuals with a thirst for adventure.

## 2. WEBSITE MODULES DESCRIPTION

### 2.1 MAIN CODE BREAKDOWN:

Header and Navigation Module:

- `<div class="topnav">`: Contains the main navigation menu.
- `<a>` elements within the navigation menu: Provide links to different sections of the webpage.
- `<input>`: A text input field for search functionality.
- `<div class="tba-header-social">`: Contains social media icons with links.

Main Content Module:

- `<h1>`: Represents the main heading of the webpage.
- `<hr>` elements: Create horizontal lines for visual separation.
- `<img>`: Displays an image as part of the main content.
- `<h1>`: Represents the heading for the "OUR POPULAR DESTINATIONS" section.

Popular Destinations Module:

- `<div id="news">`: Defines a container for the popular destinations section.
- `<div class="class1">`, `<div class="class2">`, `<div class="class3">`: Nesting div elements for layout.
- `<div class="grid">`: Contains a grid layout for displaying popular destinations.
- `<div class="grid__item">`: Represents each grid item.
- `<div class="card">`: Contains information about a specific destination.
- `<img>`: Displays an image of the destination.
- `<h1>`: Shows the name of the destination.
- `<p>`: Provides a description of the destination.
- `<button>`: Allows users to explore more about the destination.

Footer Module:

- `<div>` with styling: Creates a footer section with a clickable "Sign up" button.

This breakdown identifies the key functional components and elements within the main HTML code for "The Voyage Wanderlust" webpage.

## 2.2 CSS CODE BREAKDOWN:

### External Stylesheet Links:

- `<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">`: Imports the Font Awesome icon library to use icons in the webpage.
- `<link href='https://fonts.googleapis.com/css?family=Sofia' rel='stylesheet'>`: Imports the "Sofia" font from Google Fonts for use in the webpage.

### Internal CSS:

- `<style>`: Defines an internal CSS section for styling HTML elements within the webpage.

### Styling for Top Navigation (`topnav``):

- `.topnav``: Styles the top navigation bar, setting its background color, overflow behavior, alignment, margin, and height.
- `.topnav a``: Styles the links within the navigation bar, including float, color, text alignment, padding, text decoration, and font size.
- `.topnav a:hover``: Defines the style for links when hovered, changing background color and text color.
- `.topnav a.active``: Styles the active/current link with specific background color and text color.
- `.topnav input[type=text]``: Styles the search input field, including alignment, float, padding, border, margin, font size, and border-radius.
- `.tba-header-social``: Styles the social media icons on the right side of the navigation bar.
- `.navs``: Styles the container for navigation links.

### Global Styles (`` Selector`):

- `*`, *::before`, *::after``: Resets margin, padding, and box-sizing for all elements to ensure consistent styling.

### Responsive Layout (`class1`, class2`, class3``):

- `.class1``: Sets the base font size to 62.5% for easy rem unit conversion.
- `.class2``: Styles a container div with a background color, padding, font family, and flexbox properties.
- Media queries (`@media``) are used to adjust padding in `.class3`` for smaller screens.

### Grid Layout (`grid`, grid__item``):

- `.grid``: Styles a grid container with specified column layout and grid-gap.
- `.grid__item``: Styles each grid item, including background color, border-radius, box shadow, and hover effect.

Card Styling (`card\_\_img`, `card\_\_content`, `card\_\_header`, `card\_\_text`, `card\_\_btn`):

- `card\_\_img`: Styles the card image with width, height, and object-fit properties.
- `card\_\_content`: Styles the content of the card with padding.
- `card\_\_header`: Styles the card header text with font size, font weight, color, and text alignment.
- `card\_\_text`: Styles the card text with font size, letter-spacing, line-height, color, and text alignment.
- `card\_\_btn`: Styles the card button with padding, font size, text alignment, colors, border, border-radius, and hover effect.
- `card\_\_btn span`: Styles the span inside the button for hover effect.

This breakdown covers the key CSS styles used in the webpage, including navigation, layout, grid, and card styling, among others.

## 2.3 SIGN-UP PAGE CODE BREAKDOWN:

General Styles:

- `body`: Sets the font family for the entire page to Arial, Helvetica, sans-serif.
- `\* {box-sizing: border-box}`: Applies box-sizing: border-box to all elements to include padding and borders within the element's total width and height.

Input Field Styles:

- `input[type=text], input[type=password]`: Styles text and password input fields to be full-width with padding, margin, and a background color.
- `input[type=text]:focus, input[type=password]:focus`: Styles input fields when focused, changing the background color and removing the outline.
- `hr`: Styles horizontal lines with a border and margin.

Button Styles:

- `button`: Styles buttons with background color, text color, padding, margin, border, cursor, width, and opacity.
- `button:hover`: Styles buttons when hovered, increasing opacity for a hover effect.
- `.cancelbtn`: Styles the cancel button with a different background color.
- `.cancelbtn, .signupbtn`: Styles both cancel and signup buttons with float, width, and padding.

Container Styles:

- `.container`: Adds padding to container elements.

Clear Floats:

- ``.clearfix::after``: Clears floats after container elements.

Responsive Styles:

- ``.@media screen and (max-width: 300px)``: Applies styles for screens with a maximum width of 300px, changing button widths to 100%.

This CSS code provides styling for the sign-up form, including input fields, buttons, and responsive adjustments for smaller screens. It uses a clean and simple design for user-friendly interaction.

### 3. IMPLEMENTATION

The implementation of the provided HTML code is aimed at creating an appealing and user-friendly webpage for "THE VOYAGE WANDERLUST." The code incorporates various HTML elements, including a navigation bar with responsive links, a search input field, and prominent social media icons for easy navigation and interaction. Additionally, it features a visually striking header section with a customized page title, horizontal dividers, and a large, captivating image. In the main content section, popular travel destinations are elegantly presented with well-designed cards containing images, headers, descriptions, and interactive "Explore" buttons. The webpage's structure is well-organized and utilizes CSS for styling, ensuring a clean and attractive appearance. The inclusion of a call-to-action section with a signup button enhances user engagement. Overall, this HTML code implementation showcases a thoughtful and user-centric approach to web design, combining both visual appeal and functionality to create an inviting travel-focused webpage.

#### 3.1 SOURCE CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <link rel="stylesheet"
    href=
"https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link href='https://fonts.googleapis.com/css?family=Sofia' rel='stylesheet'>
</head>
<body>
  <div class="topnav">
```



```

<div class="navs">
  <a href="#home">HOME</a>
  <a href="#news">ABOUT</a>
  <a href="#contact">BLOG</a>
  <a href="#about">CONTACT</a>
  <a href="#about">FAQ</a>
</div>

<input type="text" placeholder="Search..">

<div class="tba-header-social">
  <a target="_blank" class="social" href="https://www.instagram.com/theblondeabroad/">
    <i class="fa fa-instagram"></i></a>
  <a target="_blank" class="social" href="https://www.facebook.com/theblondeabroad">
    <i class="fa fa-facebook-f"></i></a>
  <a target="_blank" class="social" href="https://twitter.com/theblondeabroad">
    <i class="fa fa-twitter"></i></a>
  <a
      target="_blank"
      class="social"
      href="https://www.youtube.com/channel/UCv-
fxyc04Z6DUoweOgi5WRg?sub_confirmation=1">
    <i class="fa fa-youtube"></i></a>
  <a target="_blank" class="social" href="https://www.pinterest.com.au/theblondeabroad/">
    <i class="fa fa-pinterest"></i></a>
  <a target="_blank" class="social" href="https://www.bloglovin.com/blogs/blonde-abroad-3663186">
    <i class="fa fa-rss"></i></a>
</div>

</div><br><br>

<h1 style="color:#967359;font-family:'Lucida';text-align:center;font-size:75px;font-style: italic">THE VOYAGE
WANDERLUST</h1><br><br>

<hr style="border-top:4px solid #967359;">



<hr style="border-top:4px solid #967359;"><br>

<h1 style="text-align:center;color:#967359;">OUR POPULAR DESTINATIONS</h1><br><br>

<div id="news" style="transition:0.3s">
  <div class="class1">
  <div class="class2">

```

```

<div class="class3">
  <div class="grid">
    <div class="grid__item">
      <div class="card">
        <div class="card__content">
          <h1 class="card__header">ROME</h1>
          <p class="card__text">Where <strong>history</strong> and <strong>modernity</strong> meet in the heart
of Italy. </p>
          <button class="card__btn" onclick="window.location.href='https://www.theblondeabroad.com/';">Explore
<span>&rarr;</span></button>
        </div>
      </div>
    </div>
    <div class="grid__item">
      <div class="card">
        <div class="card__content">
          <h1 class="card__header">SYDNEY</h1>
          <p class="card__text">Sydney's iconic landmarks and <strong>vibrant</strong> culture await.</p>
          <button class="card__btn" onclick="window.location.href='https://www.theblondeabroad.com/';">Explore
<span>&rarr;</span></button>
        </div>
      </div>
    </div>
    <div class="grid__item">
      <div class="card">
        <div class="card__content">
          <h1 class="card__header">ITALY</h1>
          <p class="card__text">Discover the <strong>soul</strong> of Italy through its rich <br>heritage</p>
          <button class="card__btn" onclick="window.location.href='https://www.theblondeabroad.com/';">Explore
<span>&rarr;</span></button>
        </div>
      </div>
    </div>
  </div>
</div>

```

```

<div class="grid__item">
    <div class="card">
        <div class="card__content">
            <h1 class="card__header">SWITZERLAND</h1>
            <p class="card__text">Embrace the <strong>serene</strong> landscapes of Switzerland.</p>
            <button class="card__btn" onclick="window.location.href='https://www.theblondeabroad.com/';">Explore
            <span>&rarr;</span></button>
        </div>
    </div>
</div>

```

```

<div class="grid__item">
    <div class="card">
        <div class="card__content">
            <h1 class="card__header">PARIS</h1>
            <p class="card__text">Experience the timeless allure of the City of <strong><br>Love</strong>.</p>
            <button class="card__btn" onclick="window.location.href='https://www.theblondeabroad.com/';">Explore
            <span>&rarr;</span></button>
        </div>
    </div>
</div>

```

```

<div class="grid__item">
    <div class="card">
        <div class="card__content">
            <h1 class="card__header">MALDIVES</h1>
            <p class="card__text">Escape to the <strong>tranquil</strong> paradise of the<br> Maldives</p>
            <button class="card__btn" onclick="window.location.href='https://www.theblondeabroad.com/';">Explore
            <span>&rarr;</span></button>
        </div>
    </div>
</div>

```

```

</div>
</div>
</div></div><br><br><hr>
<div style="box-sizing: border-box;background-color:#f6f2eb;font-size:45px;text-align:center;">
Click here for <br><button style="font-size:35px;background-color:#ebe2da;color:black;border:none;padding: 8px
8px
8px;border-radius:
0.4rem;" onclick="window.open('file:///C:/Users/Mahika%20D/Downloads/signup%20form.html');">Sign
up</button>
</div>
</body>
</html>

```

### 3.2 SUBCODES:

#### 3.2.1 CSS STYLES:

```

<style>
/* Add a black background color to the top navigation */
.topnav {
    background-color: #ebe2da;
    overflow: hidden;
    align-content: center;
    margin:-10px;
    height:55px;
}

/* Style the links inside the navigation bar */
.topnav a {
    float: left;
    color: black;
    text-align: center;
    padding: 20px 20px;
    text-decoration: none;
    font-size: 17px;
}

```

```
/* Change the color of links on hover */
.topnav a:hover {
    background-color: ghostwhite;
    color: black;
}

/* Add a color to the active/current link */
.topnav a.active {
    background-color: #04AA6D;
    color: white;
}

.topnav input[type=text] {
    align:center;
    float: right;
    padding: 9px ;
    border: none;
    margin-top: 10px;
    margin-right: 35px;
    font-size: 17px;
    border-radius:0.3rem;
}

.tba-header-social{
float: right;
margin-right:20px;
}

.navs{
margin-left:35px;
}
```

```
*::before,  
*::after {  
  margin: 0;  
  padding: 0;  
  box-sizing: inherit;  
}  
  
.class1 {  
  box-sizing: border-box;  
  font-size: 62.5%;  
}  
  
.class2 {  
  display: flex;  
  justify-content: center;  
  align-content: center;  
  padding: 6rem;  
  background-color: #f6f2eb;  
  font-family: "Inter", sans-serif;  
}  
  
@media (max-width: 60em) {  
  .class3 {  
    padding: 3rem;  
  }  
}  
  
.grid {  
  display: grid;  
  width: 100%;  
  grid-gap: 3rem;  
  grid-template-columns: repeat(3, 1fr);  
  align-items: start;  
}
```

```
@media (max-width: 60em) {  
  .grid {  
    grid-gap: 3rem;  
  }  
}  
.grid__item {  
  background-color: #fff;  
  border-radius: 0.4rem;  
  overflow: hidden;  
  box-shadow: 0 3rem 6rem rgba(0, 0, 0, 0.1);  
  cursor: pointer;  
  transition: 0.2s;  
  
}  
.grid__item:hover {  
  transform: translateY(-0.5%);  
  box-shadow: 0 4rem 8rem rgba(1, 1, 1, 0.2);  
}  
  
.card__img {  
  display: block;  
  width: 100%;  
  height: 18rem;  
  object-fit: cover;  
}  
.card__content {  
  padding: 3rem 3rem;  
}  
.card__header {  
  font-size: 3rem;  
  font-weight: 500;  
  color: #0d0d0d;  
  margin-bottom: 1.5rem;
```

```
text-align: center
}

.card__text {
font-size: 1.5rem;
letter-spacing: 0.1rem;
line-height: 1.7;
color: #3d3d3d;
margin-bottom: 2.5rem;
text-align: center
}

.card__btn {
display: block;
width: 100%;
padding: 1.5rem;
font-size: 2rem;
text-align: center;
color: #3363ff;
background-color: #e6ecff;
border: none;
border-radius: 0.4rem;
transition: 0.2s;
cursor: pointer;
}

.card__btn span {
margin-left: 1rem;
transition: 0.2s;
}

.card__btn:hover, .card__btn:active {
background-color: #dce4ff;
}

.card__btn:hover span, .card__btn:active span {
margin-left: 1.5rem;
}
</style>
```



### 3.2.2 SIGN-UP FORM CODE:

```
<!DOCTYPE html>

<html>

<style>

body {font-family: Arial, Helvetica, sans-serif;}

* {box-sizing: border-box}


/* Full-width input fields */
input[type=text], input[type=password] {
  width: 100%;
  padding: 15px;
  margin: 5px 0 22px 0;
  display: inline-block;
  border: none;
  background: #f1f1f1;
}

input[type=text]:focus, input[type=password]:focus {
  background-color: #ddd;
  outline: none;
}


hr {
  border: 1px solid #f1f1f1;
  margin-bottom: 25px;
}


/* Set a style for all buttons */
button {
  background-color: #04AA6D;
  color: white;
  padding: 14px 20px;
  margin: 8px 0;
```

```
border: none;
cursor: pointer;
width: 100%;
opacity: 0.9;
}

button:hover {
  opacity: 1;
}

/* Extra styles for the cancel button */
.cancelbtn {
  padding: 14px 20px;
  background-color: #f44336;
}

/* Float cancel and signup buttons and add an equal width */
.cancelbtn, .signupbtn {
  float: left;
  width: 50%;
}

/* Add padding to container elements */
.container {
  padding: 16px;
}

/* Clear floats */
.clearfix::after {
  content: "";
  clear: both;
  display: table;
}
```

```
/* Change styles for cancel button and signup button on extra small screens */
```

```
@media screen and (max-width: 300px) {
```

```
  .cancelbtn, .signupbtn {
```

```
    width: 100%;
```

```
  }
```

```
}
```

```
</style>
```

```
<body>
```

```
<form action="/action_page.php" style="border:1px solid #ccc">
```

```
<div class="container">
```

```
<h1>Sign Up</h1>
```

```
<p>Please fill in this form to create an account.</p>
```

```
<hr>
```

```
<label for="name"><b>Name</b></label>
```

```
<input type="text" placeholder="Enter your Name" name="name" required>
```

```
<label for="pno"><b>Contact</b></label>
```

```
<input type="text" placeholder="Enter your contact details" name="pno" required>
```

```
<label for="email"><b>Email</b></label>
```

```
<input type="text" placeholder="Enter Email" name="email" required>
```

```
<label for="psw"><b>Password</b></label>
```

```
<input type="password" placeholder="Enter Password" name="psw" required>
```

```
<label for="psw-repeat"><b>Repeat Password</b></label>
```

```
<input type="password" placeholder="Repeat Password" name="psw-repeat" required>
```

```
<label>
```

```
<input type="checkbox" checked="checked" name="remember" style="margin-bottom:15px"> Remember me
```

```
</label>
```

```
<p>By creating an account you agree to our <a href="#" style="color:dodgerblue">Terms & Privacy</a>.</p>
```

```
<div class="clearfix">
```

```
  <button type="button" class="cancelbtn">Cancel</button>
```

```
  <button type="submit" class="signupbtn">Sign Up</button>
```

```
</div>
```

```
</div>
```

```
</form>
```

```
</body>
```

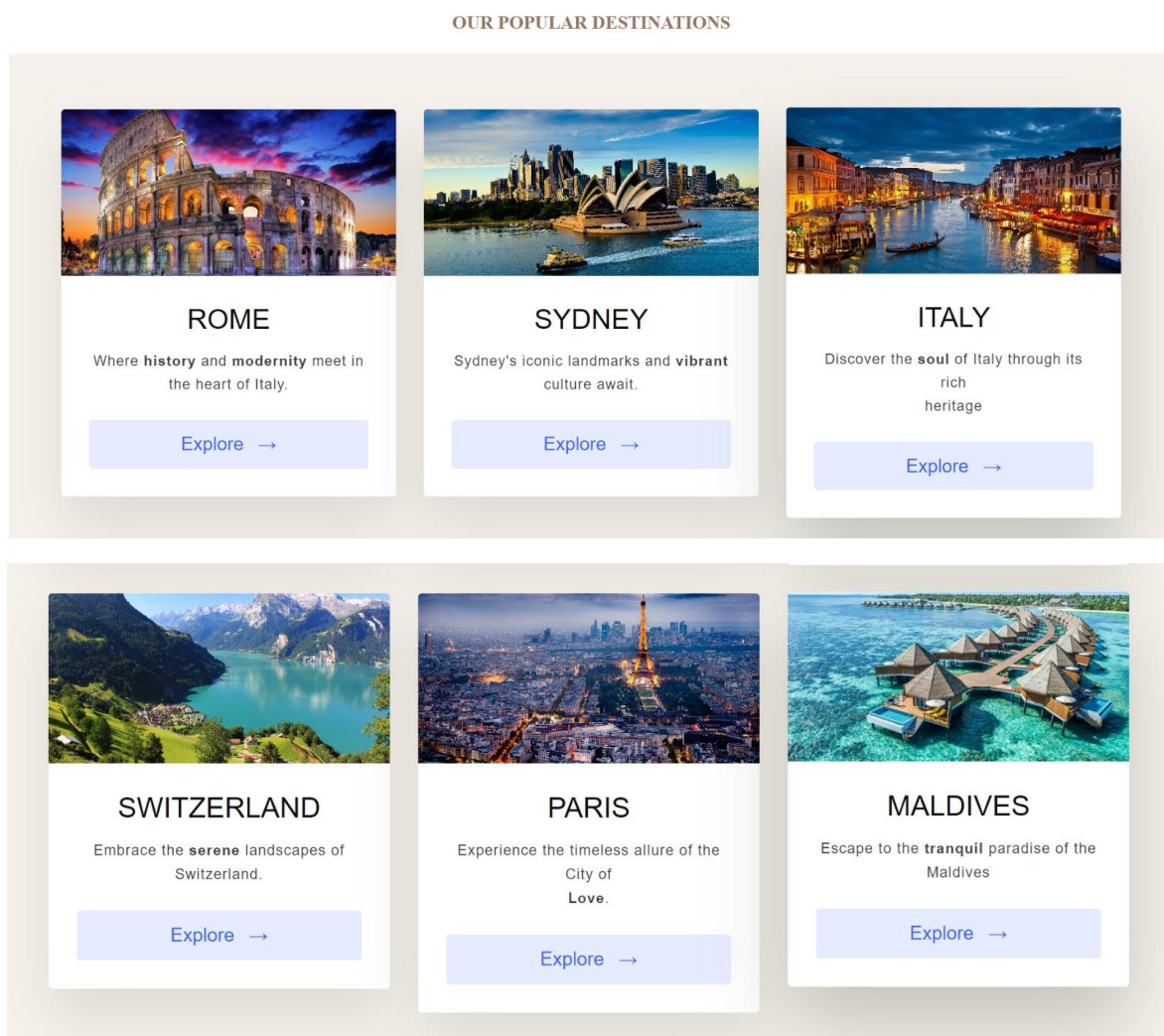
```
</html>
```

### 3.3 OUTPUT SCREENS:

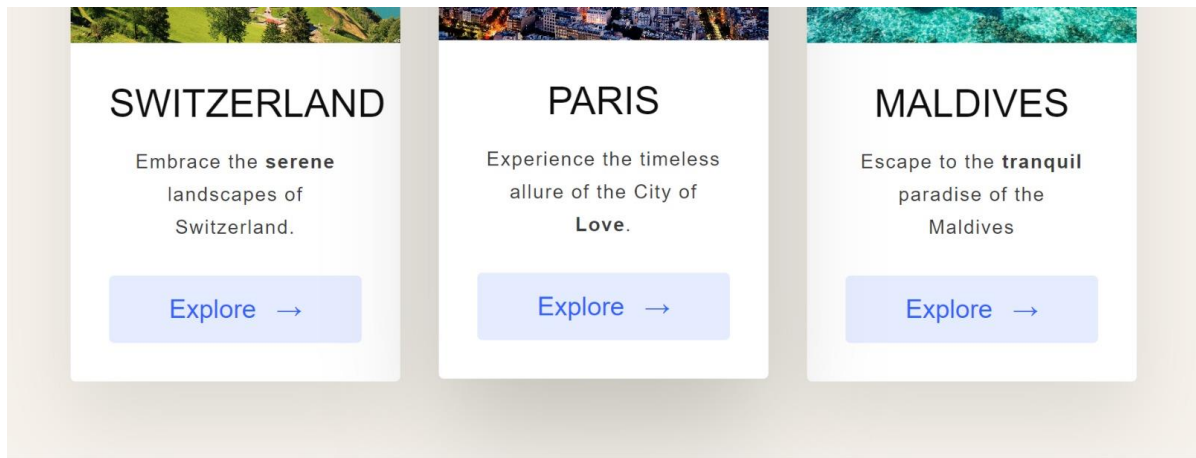
Below figure shows the navigation bar which contains all the basic information.



Below pictures contains all the cards which provides information on different destinations.



Below picture shows the sign-up button. When clicked leads to a different webpage that has been linked to main.



Click here for  
[Sign up](#)

Below picture shows the sub html page - sign up form.

### Sign Up

Please fill in this form to create an account.

**Name**

**Contact**

**Email**

**Password**

**Repeat Password**

☒ Remember me

By creating an account you agree to our [Terms & Privacy](#).

CancelSign Up

## 4. TOOLS USED

Building a webpage like THE VOYAGE WANDERLUST involves various tools and technologies to ensure a seamless and visually appealing user experience. Here are some of the tools that were used :

**HTML (Hypertext Markup Language):**

HTML forms the structure of the webpage, defining headings, paragraphs, images, links and other content elements.

**CSS (Cascading Style Sheets):**

CSS is used to style the webpage, controlling the layout, fonts, colors and overall visual presentation. In your code, you've linked a stylesheet "styles.css" to apply styles to your elements.

**Text Editor or Integrated Development Environment (IDE):**

To write and edit HTML and CSS code a text editor or an IDE is necessary. Common choices include Visual Studio Code, Sublime Text, Atom or even basic notepad applications.

**Visual Studio Code (VS Code):**

Visual Studio Code is a widely used code editor that provides a robust environment for web development. It offers features like syntax highlighting, code completion, extensions for web development, and a built-in terminal for running commands. It's a popular choice among developers for building webpages and web applications.

**Image Editing Software:**

To prepare and optimize images for your webpage, you might use tools like Adobe Photoshop, GIMP or Canva.

**Web Browser:**

Browsers like Google Chrome, Mozilla Firefox or Microsoft Edge are essential for testing your webpage's functionality and appearance.

## 5. CONCLUSION

In summary, the presented webpage exemplifies a well-structured and visually appealing travel-oriented website. It employs HTML and CSS effectively to craft a responsive and user-friendly interface. The top navigation bar with its intuitive hover effects enhances navigation, while the social media links and search bar offer additional functionality. The "Popular Destinations" section creatively presents travel options with enticing visuals and succinct descriptions, facilitating user engagement. Furthermore, the inclusion of a sign-up button simplifies the process for users interested in joining the platform. In essence, this webpage skillfully combines design elements and functionality to create an engaging and inviting digital space for travel enthusiasts.



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