

A FIELD PROJECT REPORT ON  
**SEA CITIES**

**Submitted**

*In partial fulfilment of the requirements for the award of the degree*

**BACHELOR OF TECHNOLOGY**

**In**

**COMPUTER SCIENCE and ENGINEERING**

**By**

G.PREETHI (231FA04597)

K.MANOHAR (231FA04891)

G.NEERAJ KUMAR (231FA04938)

B.VIVEK (231FA04948)

Under the Guidance of

**MR. T. NARASIMHA RAO**

Assistant Professor, CSE



(Deemed to be University) - Estd. u/s 3 of UGC Act 1956

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**SCHOOL OF COMPUTING AND INFORMATICS**

**VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH**

**(Deemed to be University)**

**Vadlamudi, Guntur -522213, INDIA.**

**April, 2025**



**VIGNAN'S**  
FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH

(Deemed to be University) - Estd. u/s 3 of UGC Act 1956

## CERTIFICATE

This is to certify that the field project entitled "SEA CITIES" being submitted by [G.PREETHI ,231FA04597], [K.MANOHAR ,231FA04891], [G.NEERAJ KUMAR ,231FA04938], and [B.VIVEK ,231FA04948] in partial fulfilment of requirements for the degree of Bachelor of Technology (B.Tech.) in Computer Science and Engineering at the, Vignan's Foundation for Science, Technology and Research (Deemed to be University), Vadlamudi, Guntur District, Andhra Pradesh, India.

This is a bonafide work carried out by the aforementioned students under my guidance and supervision.

A handwritten signature in blue ink, appearing to read "Dr. S. S. K."

Guide

A handwritten signature in blue ink, appearing to read "Project Review Committee".

A handwritten signature in blue ink, appearing to read "S. S. K."

HoD, CSE

HoD  
Dept. of Computer Science & Engineering  
VFSTR Deemed to be University  
VADLAMUDI - 522 213  
Guntur Dist., A.P., India



### DECLARATION

Date:

We hereby declare that the work presented in the field project titled "SEA CITIES" is the result of our own efforts and investigations.

This project is being submitted under the supervision of **MR. T. Narasimha Rao**, Assistant Professor, Department of Computer Science and Engineering in partial fulfillment of the requirements for the Bachelor of Technology (B.Tech.) degree in Computer Science and Engineering at the Vignan's Foundation for Science, Technology and Research (Deemed to be University), Vadlamudi, Guntur, Andhra Pradesh, India.

G.PREETHI	(231FA04597)	
K.MANOHAR	(231FA04891)	
G.NEERAJ KUMAR	(231FA04938)	
B.VIVEK	(231FA04948)	

## Contents

<b>Chapter No.</b>	<b>Description</b>	<b>Page No.</b>
1 1.1) 1.2) 1.3) 1.4)	<b>Introduction</b> <b>Problem Definition</b> <b>Existing System</b> <b>Proposed System</b> <b>Literature Review</b>	5-6
2 2.1) 2.2)	<b>System Requirements</b> <b>Hardware and Software Requirements</b> <b>Software Requirements (SRS)</b>	7
3 3.1) 3.2)	<b>System Design</b> <b>Modules of System</b> <b>UML Diagrams</b>	8-10
4 4.1) 4.2)	<b>Implementation</b> <b>Sample Code</b> <b>Test Cases</b>	11-80
5 5.1)	<b>Results</b> <b>Output Screens</b>	81-84
6	<b>Conclusion</b>	85
7	<b>References</b>	86

# **1. Introduction**

## **Overview:**

Introduce the concept of the project "Sea Cities." Discuss the importance of beaches in tourism, culture, and recreation. Mention that the project focuses on providing information about famous beaches worldwide, their activities, weather conditions, and any related natural disasters.

## **Purpose:**

The purpose of this project is to give users insights into different beaches, making it easy for them to learn about the activities they can do, the weather they can expect, and any potential dangers or disasters in the area.

## **1.1 Problem Definition: -**

### **Current Challenges:**

People often struggle to find accurate, real-time information about beaches, including details about popular activities, weather, and any disasters that might occur there. Tourists and locals may not have a centralized system that provides this data in an accessible and user-friendly manner.

### **Need for the System:**

A system that provides information about beach destinations, helping users plan their trips with accurate data on weather, activities, and safety would address these issues.

## **1.2 Existing System: -**

### **Overview of Current Solutions:**

Mention any existing apps or websites that offer similar services but lack a comprehensive, real-time solution that integrates all aspects (weather, activities, disasters). Highlight the shortcomings of these systems in terms of user-friendliness, coverage, or up-to-date information.

### **Limitations of Existing Systems:**

For example, websites might not provide disaster updates, or apps might lack detailed information about activities specific to each beach.

## **1.3 Proposed System: -**

### **Project Goal:**

The proposed system will provide users with a detailed overview of different beaches, including why they are famous, the activities to do there, the weather conditions, and whether there are any ongoing disasters or risks. It will include real-time data and user-friendly features, offering value for tourists and locals alike.

### **Features of the Proposed System:**

- Information on famous beaches.
- Details about beach activities (e.g., surfing, swimming, volleyball).

- Real-time weather data (temperature, rainfall, wind speed).
- Disaster warnings (e.g., tsunamis, hurricanes, flooding).

#### **1.4 Literature Review: -**

The literature review explores existing systems for beach-related information, weather tracking, and disaster management, highlighting gaps that your project addresses.

- **Existing Systems for Beach Information:**

Websites like **TripAdvisor** and **BeachRadar** provide basic beach details, but lack real-time weather updates, activity suggestions, and disaster warnings. Apps such as **AccuWeather** provide weather forecasts but don't cater specifically to beach conditions or disaster alerts.

- **Weather and Disaster Information Systems:**

Apps like **The Weather Channel** and **OpenWeather** offer weather data, but they don't focus on beach-specific conditions or activities. Disaster prediction systems (e.g., **NOAA's tsunami warnings**) often provide alerts without details on beach safety. Research indicates that integrating local weather and disaster alerts into beach information systems can improve user experience and safety (Sullivan et al., 2019).

- **Beach Tourism and Activities:**

Research shows that weather significantly impacts tourism decisions, with factors like temperature and wind affecting beach activities (Searle & Davy, 2017). Current systems often fail to link weather conditions with specific activities, such as surfing or swimming. Your system will fill this gap by offering activity recommendations based on real-time conditions.

- **Disaster Management and Alerts:**

While systems like **FEMA** provide disaster alerts, they don't offer detailed, beach-specific safety information. Studies suggest that integrating disaster data with beach activities can enhance safety and reduce risk (Jones, 2020).

## **2.SYSTEM REQUIREMENTS**

### **2.1. Hardware and Software Requirements For Sea Cities:**

To develop a **Sea Cities Project**, you will need to consider both **hardware** and **software** system requirements. Below is a general guide to the system requirements you may need.

#### **Hardware Requirements:**

- **Processor:** Intel i5 or higher
- **RAM:** 8GB or more
- **Storage:** Minimum 256GB SSD
- **Operating System:** Windows/Linux/MacOS
- **Internet Connectivity:** Required for real-time weather updates

#### **Software Requirements:**

Database software (e.g. Firebase) to store information about beaches, activities, and disasters.

Operating System: Windows, Linux, or macOS.

#### **Browser Compatibility:**

1. Google Chrome
2. Mozilla Firefox
3. Microsoft Edge
4. Safari

### **2.2 SOFTWARE REQUIREMENTS SPECIFICATION FOR SEACITIES:**

- **Frontend:**
  - HTML, CSS, JavaScript (React, Angular, or Vue for interactive features).
  - Libraries or frameworks for weather data (OpenWeather API, WeatherStack, etc.).
- **Backend:**
  - Server-side technologies such as Firebase
  - APIs for fetching disaster warnings (e.g., USGS for earthquakes, NOAA for hurricanes).

### **3.System Design**

#### **Modules of the System**

- **Beach Information Module:**

Provides details about different beaches, including location, history, and why it is famous.

- **Activities Module:**

Lists popular activities to do at each beach (surfing, volleyball, snorkeling, etc.).

- **Weather Conditions Module:**

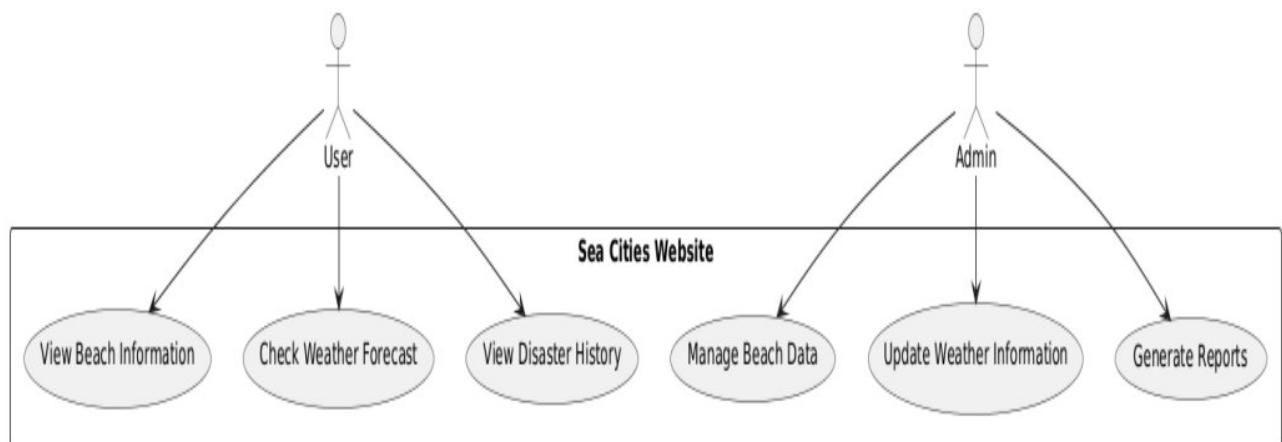
Displays real-time weather data (temperature, humidity, wind speed, etc.) for the selected beach.

- **Disaster Module:**

Provides disaster-related information like hurricanes, tsunamis, or other natural events affecting the beach.

#### **3.2: UML DIAGRAMS:**

##### **Use Case Diagram**



**Fig 3.2.1**

## Data Flow Diagram

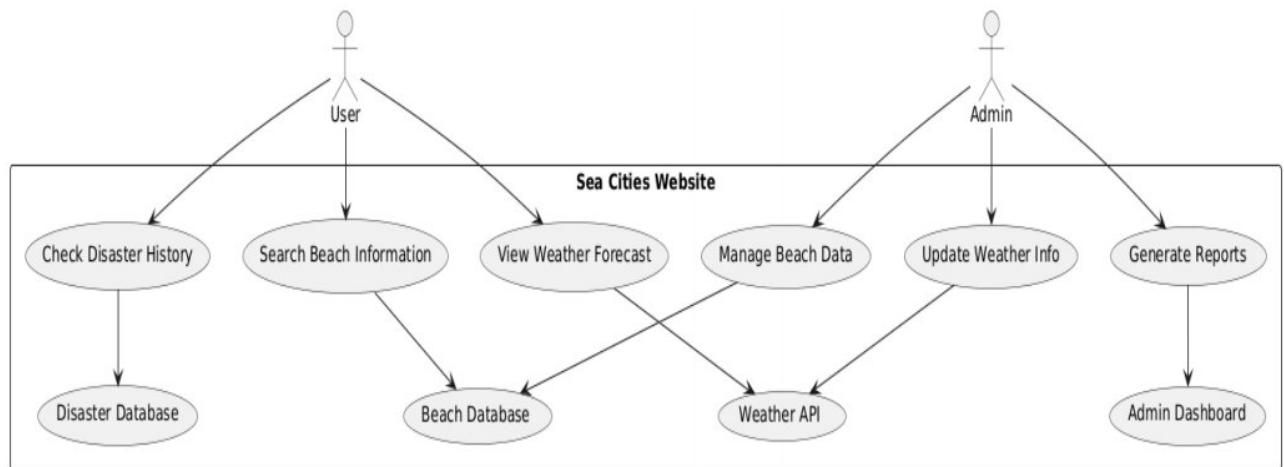


Fig 3.2.2

## ER Diagram

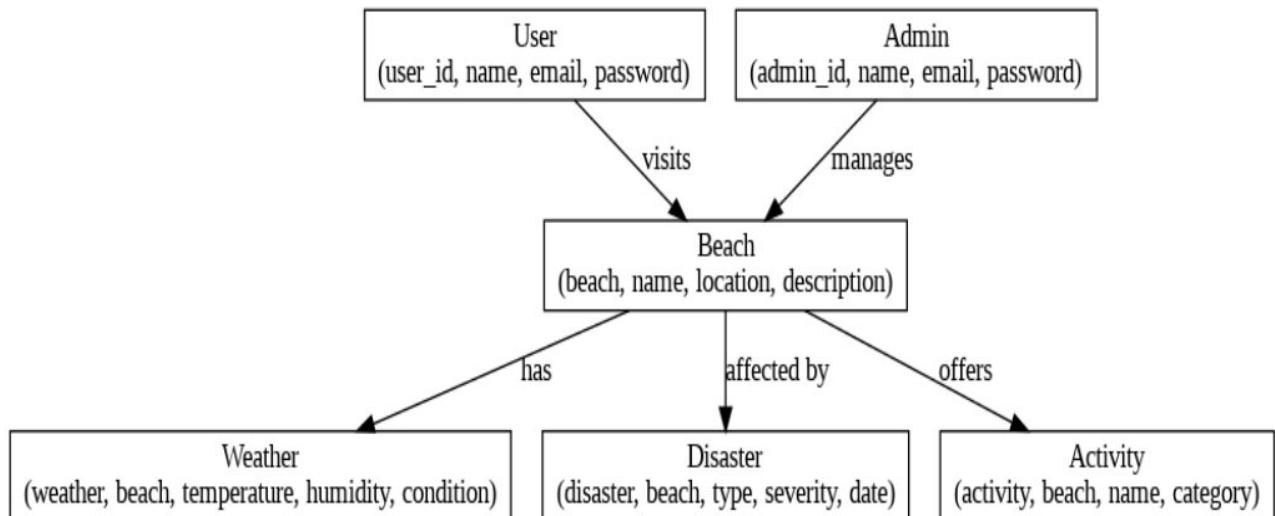


Fig 3.2.3

## Sequence Diagram

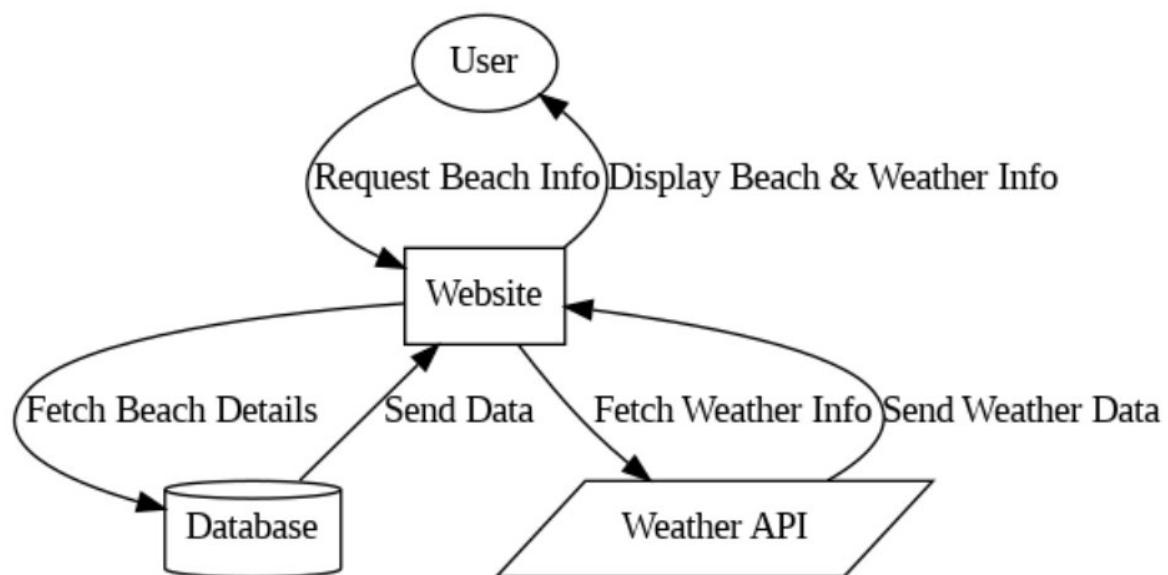


Fig 3.2.4

## **4.Implementation**

### **4.1) Sample Code**

```
<!DOCTYPE html>

<html lang="en">
<head>

    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Modern Login & Signup</title>
    <link rel="stylesheet" href="login_signup.css">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css">
    <script type="module">
        import { initializeApp } from "https://www.gstatic.com/firebasejs/11.5.0.firebaseio-app.js";
        import { getAuth, createUserWithEmailAndPassword, signInWithEmailAndPassword } from "https://www.gstatic.com/firebasejs/11.5.0/firebase-auth.js";
        import { getDatabase, ref, set } from "https://www.gstatic.com/firebasejs/11.5.0.firebaseio-database.js";
        const firebaseConfig = {
            apiKey: "AIzaSyBaHWbWmBB2CQMNrwRzwdW0OLWetfFJOlw",
            authDomain: "sea-cities.firebaseioapp.com",
            databaseURL: "https://sea-cities-default-rtbd.firebaseioio.com",
            projectId: "sea-cities",
            storageBucket: "sea-cities.firebaseiostorage.app",
            messagingSenderId: "781790618107",
            appId: "1:781790618107:web:57f7bcc5c86793af83ab5e",
            measurementId: "G-N3L468WPSY"
        };
        const app = initializeApp(firebaseConfig);
        const auth = getAuth(app);
        const database = getDatabase(app);
        document.getElementById('signupForm').addEventListener('submit', function(e) {
            e.preventDefault();
            const username = document.getElementById('signupUsername').value;
            const email = document.getElementById('signupEmail').value;
```

```
const password = document.getElementById('signupPassword').value;
createUserWithEmailAndPassword(auth, email, password)

.then((userCredential) => {
    const user = userCredential.user;
    set(ref(database, 'users/' + user.uid), {
        username: username,
        email: email
    });
    alert('User signed up successfully!');
})

.catch((error) => {
    alert(error.message);
});

});

document.getElementById('loginForm').addEventListener('submit', function(e) {
    e.preventDefault();
    const email = document.getElementById('loginEmail').value;
    const password = document.getElementById('loginPassword').value;
    signInWithEmailAndPassword(auth, email, password)

    .then((userCredential) => {
        window.location.href = 'home.html';
    })

    .catch((error) => {
        alert(error.message);
    });
});

});

</script>

</head>

<body>

<div class="container">
    <div class="form-container">
        <div class="form-box login">
            <h2><i class="fas fa-user-circle"></i> Login</h2>
```

```
<form id="loginForm">
  <div class="input-group">
    <input type="email" id="loginEmail" required>
    <label>Email</label>
  </div>
  <div class="input-group">
    <input type="password" id="loginPassword" required>
    <label>Password</label>
  </div>
  <button type="submit">Login</button>
</form>
<p>Don't have an account? <a href="#" class="toggle-form">Sign Up</a></p>
</div>
<div class="form-box signup">
  <h2><i class="fas fa-user-plus"></i> Sign Up</h2>
  <form id="signupForm">
    <div class="input-group">
      <input type="text" id="signupUsername" required>
      <label>Username</label>
    </div>
    <div class="input-group">
      <input type="email" id="signupEmail" required>
      <label>Email</label>
    </div>
    <div class="input-group">
      <input type="password" id="signupPassword" required>
      <label>Password</label>
    </div>
    <div class="input-group">
      <input type="password" id="signupConfirmPassword" required>
      <label>Confirm Password</label>
    </div>
    <button type="submit">Sign Up</button>
```

```
</form>

<p>Already have an account? <a href="#" class="toggle-form">Login</a></p>

</div>
</div>
</div>

<script>
  document.querySelectorAll('.toggle-form').forEach(button => {
    button.addEventListener('click', () => {
      document.querySelector('.form-container').classList.toggle('show-signup');
    });
  });
</script>

</body>
</html>

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Home - Sea Cities</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet">
  <link rel="stylesheet" href="../styles/home.css">
  <link rel="shortcut icon" href="../images/logo.jpg" type="image/x-icon">
</head>
<body>
  <header>
    <nav class="navbar navbar-expand-lg navbar-light bg-light">
      
      <div class="container">
        <div class="collapse navbar-collapse">
          <ul class="navbar-nav me-auto">
```

```
<li class="nav-item"><a class="nav-link" href="../html/home.html" class="btn btn-primary">Home</a></li>

    <li class="nav-item"><a class="nav-link" href="../html/sea_cites.html">Sea Cities</a></li>

        <li class="nav-item"><a class="nav-link" href="../html/map.html">Map</a></li>

            <li class="nav-item"><a class="nav-link" href="../html/aboutus.html">About Us</a></li>

            <li class="nav-item"><a class="nav-link" href="../html/contactus.html">Contact Us</a></li>

        </ul>

        <a class="nav-link" href="index.html" class="btn btn-primary" >Logout</a>

    </div>

</div>

</nav>

</header>

<section class="hero">

    <h1>Welcome to Sea Cities</h1>

    <p>Explore the world's most beautiful coastal cities</p>

    <button class="btn btn-primary">Discover More</button>

</section>

<script src="../js/home.js"></script>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Sea Cities</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet">

    <link rel="stylesheet" href="../styles/home.css">

    <link rel="stylesheet" href="../styles/sea_cites.css">

    <link rel="shortcut icon" href="../images/logo.png" type="image/x-icon">
```

```
</head>

<body>

    <header>

        <nav class="navbar navbar-expand-lg navbar-light bg-light">

            <div class="container">

                <div class="collapse navbar-collapse">

                    <ul class="navbar-nav me-auto">

                        <li class="nav-item"><a class="nav-link" href="../html/home.html">Home</a></li>

                        <li class="nav-item"><a class="nav-link" href="../html/sea_cites.html">Sea Cities</a></li>

                        <li class="nav-item"><a class="nav-link" href="../html/map.html">Map</a></li>

                        <li class="nav-item"><a class="nav-link" href="../html/aboutus.html">About Us</a></li>

                        <li class="nav-item"><a class="nav-link" href="../html/contactus.html">Contact Us</a></li>

                    </ul>

                    <div class="search-filter-container">

                        <div class="search-bar">

                            <input type="text" placeholder="Search Beaches..." id="searchInput">

                            <button onclick="searchBeaches()">Search</button>

                        </div>

                    </div>

                </div>

            </div>

        </nav>

    </header>

    <section class="cities">

        <h2>Indian Beaches</h2>

        <div class="beach-card" onclick="location.href='../html/beaches_html/goa.html'">Goa Beaches</div>

        <div class="beach-card" onclick="location.href='../html/beaches_html/andaman.html'">Andaman & Nicobar Beaches</div>

    </section>


```

```
<div class="beach-card"
onclick="location.href='..html/beaches_html/kerala.html'">Kerala Beaches</div>

<div class="beach-card"
onclick="location.href='..html/beaches_html/laskshadeep.html'">Lakshadweep Beaches</div>

<div class="beach-card"
onclick="location.href='..html/beaches_html/tamil_nadu.html'">Tamilnadu Beaches</div>

<div class="beach-card"
onclick="location.href='..html/beaches_html/westbengal.html'">Westbengal Beaches</div>

<div class="beach-card"
onclick="location.href='..html/beaches_html/marine.html'">Marine Beaches</div>

<div class="beach-card" onclick="location.href='..html/beaches_html/juhu.html'">Juhu
Beaches</div>

</section>

<script>

function searchBeaches() {

    var searchQuery =
document.getElementById('searchInput').value.toLowerCase().trim();

    if (searchQuery === 'goa') {

        window.location.href = '..html/beaches_html/goa.html';

    } else if (searchQuery === 'andaman') {

        window.location.href = '..html/beaches_html/andaman.html';

    } else if (searchQuery === 'kerala') {

        window.location.href = '..html/beaches_html/kerala.html';

    } else if (searchQuery === 'lakshadweep') {

        window.location.href = '..html/beaches_html/lakshadweep.html';

    } else if (searchQuery === 'tamilnadu') {

        window.location.href = '..html/beaches_html/tamil_nadu.html';

    } else if (searchQuery === 'westbengal') {

        window.location.href = '..html/beaches_html/westbengal.html';

    } else if (searchQuery === 'marine') {

        window.location.href = '..html/beaches_html/marine.html';

    } else if (searchQuery === 'juhu') {

        window.location.href = '..html/beaches_html/juhu.html';

    } else {

        alert('No matching beaches found.');
    }
}
```

```
        }

    </script>

</body>
</html>

<!DOCTYPE html>

<html lang="en">
<head>

    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Map - Indian Beaches</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet">
    <link rel="stylesheet" href="https://unpkg.com/leaflet@1.9.4/dist/leaflet.css"/>
    <link rel="stylesheet" href="../styles/map.css">
    <link rel="shortcut icon" href="../images/logo.png.jpg" type="image/x-icon">
</head>

<body>

<header>

    <nav class="navbar navbar-expand-lg navbar-light bg-light">
        <div class="container">
            
            <div class="collapse navbar-collapse">
                <ul class="navbar-nav me-auto">
                    <li class="nav-item"><a class="nav-link" href="../html/home.html">Home</a></li>
                    <li class="nav-item"><a class="nav-link" href="../html/sea_cites.html">Sea Cities</a></li>
                    <li class="nav-item active"><a class="nav-link" href="../html/map.html">Map</a></li>
                    <li class="nav-item"><a class="nav-link" href="../html/aboutus.html">About Us</a></li>
                    <li class="nav-item"><a class="nav-link" href="../html/contactus.html">Contact Us</a></li>
                </ul>
            </div>
        </div>
    </nav>

```

```
</div>

</nav>

</header>

<section class="map-container">
    <h2>Beautiful Beaches of India</h2>
    <div id="map"></div>
</section>

<script src="https://unpkg.com/leaflet@1.9.4/dist/leaflet.js"></script>
<script src="../js/map.js"></script>

</body>

</html>

<!DOCTYPE html>

<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Home - Sea Cities</title>
        <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet">
        <link rel="stylesheet" href="../styles/home.css">
        <link rel="shortcut icon" href="../images/logo.png" type="image/x-icon">

        <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0-beta3/css/all.min.css" rel="stylesheet">
    <style>
        body {
            font-family: 'Times New Roman', Times, serif ;
            margin: 0;
            padding: 0;
            background-color: #f5f5f5;
            color: #333;
        }
        header {
```

```
background-color: #004c8c;  
color: white;  
padding: 15px;  
text-align: center;  
}  
  
nav {  
margin-top: 10px;  
}  
  
nav a {  
color: white;  
margin: 0 15px;  
text-decoration: none;  
font-size: 16px;  
}  
  
nav a:hover {  
text-decoration: underline;  
}  
  
section {  
max-width: 800px;  
margin: 50px auto;  
padding: 20px;  
background: white;  
border-radius: 8px;  
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
}  
  
h2 {  
color: #004c8c;  
}  
  
ul {  
list-style-type: square;  
padding-left: 20px;  
}
```

```
.contact-info {  
background: #e0f7fa;  
padding: 10px;  
border-radius: 5px;  
margin-bottom: 20px;  
}  
.contact-info a {  
color: #004c8c;  
text-decoration: none;  
font-weight: bold;  
}  
form {  
display: flex;  
flex-direction: column;  
}  
label {  
margin-top: 10px;  
font-weight: bold;  
}  
input, textarea {  
width: 100%;  
padding: 8px;  
margin-top: 5px;  
border: 1px solid #ccc;  
border-radius: 5px;  
}  
button {  
margin-top: 15px;  
padding: 10px;  
background-color: #004c8c;  
color: white;  
border: none;  
border-radius: 5px;
```

```
    cursor: pointer;  
}  
  
button:hover {  
    background-color: #003366;  
}  
  
#formMessage {  
    margin-top: 10px;  
    color: green;  
    font-weight: bold;  
}  
  
.social-icons {  
    margin-top: 20px;  
    text-align: center;  
}  
  
.social-icons a {  
    font-size: 24px;  
    margin: 0 10px;  
    text-decoration: none;  
}  
  
.social-icons .linkedin {  
    color: #0077b5;  
}  
  
.social-icons .twitter {  
    color: #1DA1F2;  
}  
  
.social-icons .instagram {  
    background: linear-gradient(45deg, #f77737, #feda77, #9013fe, #ff0084);  
    -webkit-background-clip: text;  
    color: transparent;  
}  
  
.social-icons .whatsapp {  
    color: #25D366;
```

```
        }

.social-icons a:hover {
    opacity: 0.8;
}

</style>

</head>

<body>

<header>

<nav class="navbar navbar-expand-lg navbar-light bg-light">

<div class="container">



<div class="collapse navbar-collapse">

<ul class="navbar-nav me-auto">

<li class="nav-item"><a class="nav-link" href="../html/home.html">Home</a></li>

<li class="nav-item"><a class="nav-link" href="../html/sea_cites.html">Sea Cities</a></li>

<li class="nav-item"><a class="nav-link" href="../html/map.html">Map</a></li>

<li class="nav-item"><a class="nav-link" href="../html/aboutus.html">About Us</a></li>

<li class="nav-item"><a class="nav-link" href="../html/contactus.html">Contact Us</a></li>

</ul>

</div>

</div>

</nav>

</header>

<section id="about">

<h2>About Us</h2>

<p>Welcome to <strong>Sea Cities</strong>! We explore and showcase the world's most beautiful coastal cities.</p>

<p>Whether you're looking for breathtaking beaches, vibrant seaside culture, or the best coastal destinations, we provide guides and recommendations to enhance your travel experiences.</p>

<h3>Why Choose Us?</h3>
```

```
<ul>
    <li><strong>Comprehensive Guides:</strong> Find the best places to visit, eat, and explore.</li>
    <li><strong>Travel Inspiration:</strong> Get inspired by stunning photos and real experiences.</li>
    <li><strong>Community Focused:</strong> Join a network of sea lovers and travelers.</li>
</ul>
</section>
<div class="social-icons">
    <a href="https://www.linkedin.com" target="_blank" class="linkedin" title="LinkedIn">
        <i class="fab fa-linkedin"></i>
    </a>
    <a href="https://www.twitter.com" target="_blank" class="twitter" title="Twitter">
        <i class="fab fa-twitter"></i>
    </a>
    <a href="https://www.instagram.com" target="_blank" class="instagram" title="Instagram">
        <i class="fab fa-instagram"></i>
    </a>
    <a href="https://www.whatsapp.com" target="_blank" class="whatsapp" title="WhatsApp">
        <i class="fab fa-whatsapp"></i>
    </a>
</div>
<script src="../js/home.js"></script>
</body>
</html>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Contact Us - Sea Cities</title>
```

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet">

<link rel="shortcut icon" href="../images/logo.png" type="image/x-icon">

<style>

body {
    font-family: 'Times New Roman', Times, serif ;
    margin: 0;
    padding: 0;
    background-color: #f5f5f5;
    color: #333;
}

header {
    background-color: #004c8c;
    color: white;
    padding: 15px;
    text-align: center;
}

nav {
    margin-top: 10px;
}

nav a {
    color: white;
    margin: 0 15px;
    text-decoration: none;
    font-size: 16px;
}

nav a:hover {
    text-decoration: underline;
}

section {
    max-width: 800px;
    margin: 50px auto;
    padding: 20px;
```

```
background: white;
border-radius: 8px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

h2 {
color: #004c8c;
}

ul {
list-style-type: square;
padding-left: 20px;
}

.contact-info {
background: #e0f7fa;
padding: 10px;
border-radius: 5px;
margin-bottom: 20px;
}

.contact-info a {
color: #004c8c;
text-decoration: none;
font-weight: bold;
}

form {
display: flex;
flex-direction: column;
}

label {
margin-top: 10px;
font-weight: bold;
}

input, textarea {
width: 100%;
padding: 8px;
```

```
margin-top: 5px;  
border: 1px solid #ccc;  
border-radius: 5px;  
}  
  
button {  
margin-top: 15px;  
padding: 10px;  
background-color: #004c8c;  
color: white;  
border: none;  
border-radius: 5px;  
cursor: pointer;  
}  
  
button:hover {  
background-color: #003366;  
}  
  
#formMessage {  
margin-top: 10px;  
color: green;  
font-weight: bold;  
}  
  
</style>  
</head>  
<body>  
<header>  
<nav class="navbar navbar-expand-lg navbar-light bg-light">  
<div class="container">  
  
<div class="collapse navbar-collapse">  
<ul class="navbar-nav me-auto">  
<li class="nav-item"><a class="nav-link"  
href="../html/home.html">Home</a></li>
```

```
<li class="nav-item"><a class="nav-link" href="../html/sea_cites.html">Sea Cities</a></li>
    <li class="nav-item"><a class="nav-link" href="../html/map.html">Map</a></li>
        <li class="nav-item"><a class="nav-link" href="../html/aboutus.html">About Us</a></li>
            <li class="nav-item"><a class="nav-link" href="../html/contactus.html">Contact Us</a></li>
        </ul>
    </div>
</div>
</nav>
</header>
<section id="contact">
    <h2>Contact Us</h2>
    <p>Have any questions? Feel free to reach out!</p>
    <div class="contact-info">
        <p>📍 <strong>Address:</strong> Andhra Pradesh state ,Palnadu district,Vadlamudi,Vignan University</p>
        <p>✉️ <strong>Email:</strong> <a href="231fa04938@gmail.com">231fa04938@gmail.com</a></p>
        <p>📞 <strong>Phone:</strong> +91 7780246322</p>
    </div>
    <!-- Contact Form -->
    <form id="contactForm">
        <label for="name">Name:</label>
        <input type="text" id="name" required>
        <label for="email">Email:</label>
        <input type="email" id="email" required>
        <label for="message">Message:</label>
        <textarea id="message" rows="4" required></textarea>
        <button type="submit">Send Message</button>
        <p id="formMessage"></p>
    </form>
</section>
```

```
<script>
    document.getElementById("contactForm").addEventListener("submit", function(event)
{
    event.preventDefault(); // Prevent form from refreshing the page
    let name = document.getElementById("name").value.trim();
    let email = document.getElementById("email").value.trim();
    let message = document.getElementById("message").value.trim();
    let formMessage = document.getElementById("formMessage");
    if (name === "" || email === "" || message === "") {
        formMessage.style.color = "red";
        formMessage.textContent = "Please fill out all fields!";
    } else {
        formMessage.style.color = "green";
        formMessage.textContent = "Message sent successfully! We'll get back to you soon.";
        setTimeout(() => {
            document.getElementById("contactForm").reset();
            formMessage.textContent = "";
        }, 2000);
    }
});
</script>
</body>
</html>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Andaman and Nicobar Islands Beach Paradise</title>
    <link rel="shortcut icon" href="../images/logo.png.jpg" type="image/x-icon">
    <style>
        body {
            font-family: 'Times New Roman', Times, serif ;

```

```
margin: 0;
padding: 0;
background-image: url('/images/image4.png');
background-size: cover;
background-repeat: no-repeat;
background-position: center;
background-attachment: fixed;
color: #333;
}

header {
background-color: #0077b6;
color: white;
padding: 20px;
text-align: center;
}

main {
padding: 20px;
max-width: 1200px;
margin: 0 auto;
}

h2 {
color: #023e8a;
margin-bottom: 15px;
}

.about p {
line-height: 1.6;
font-size: 1.1em;
}

.gallery .image-container {
display: grid;
grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));
gap: 15px;
margin-top: 20px;
```

```
        }

.gallery img {
    width: 100%;
    height: 200px;
    object-fit: cover;
    border-radius: 8px;
    box-shadow: 0 2px 4px rgba(0,0,0,0.1);
}

.weather {
    margin-top: 30px;
    padding: 20px;
    background-color: #f0f8ff;
    border-radius: 8px;
    box-shadow: 0 2px 4px rgba(0,0,0,0.1);
}

.weather-info {
    display: flex;
    align-items: center;
    gap: 15px;
}

.weather-icon {
    width: 50px;
    height: 50px;
}

.disaster-alertness {
    background-color: #f0f8ff;
    border: 0px solid #f0f8ff;
    border-radius: 8px;
    padding: 50px;
    box-shadow: 0 2px 4px rgba(0,0,0,0.1);
    flex: 1;
}

h2 {
```

```
    color: #023e8a;  
}  
.alert {  
    margin: 10px 0;  
    padding: 10px;  
    border-radius: 5px;  
}  
.alert-warning {  
    background-color: #00ff4c;  
}  
.alert-danger {  
    background-color: #4df9ff;  
}  
footer {  
    background-color: #023e8a;  
    color: white;  
    text-align: center;  
    padding: 15px;  
    margin-top: 30px;  
}  
 @media (max-width: 768px) {  
    .gallery .image-container {  
        grid-template-columns: 1fr;  
    }  
}  
.info{  
    padding: 20px;  
    max-width: 1200px;  
    margin: 0 auto;  
    display: flex;  
    justify-content: space-between;  
}  
</style>
```

```
</head>

<body>

<marquee>

    <header>

        <h1>Welcome to Andaman and Nicobar Islands Beaches</h1>

    </header>

</marquee>

<main>

    <section class="about">

        <h2>Key Beaches in Andaman and Nicobar Islands</h2>

        <div class="beach">

            <h3>1. Radhanagar Beach (Havelock Island)</h3>

            <p><strong>Why it's famous:</strong> Radhanagar Beach is one of the most beautiful beaches in the Andaman Islands, known for its pristine white sand and turquoise waters. It has been ranked among the best beaches in Asia, offering a tranquil atmosphere, perfect for swimming, sunbathing, and watching spectacular sunsets<a href="https://en.wikipedia.org/wiki/Radhanagar_Beach" target="_blank">..read more</a></p>

        </div>

        <div class="beach">

            <h3>2. Vijaynagar Beach (Havelock Island)</h3>

            <p><strong>Why it's famous:</strong> Vijaynagar Beach is known for its secluded environment and crystal-clear waters. This beach is perfect for nature lovers and those seeking a peaceful getaway. The serene ambiance and the lush green surroundings make it an ideal spot for a relaxing day by the sea.<a href="https://en.wikipedia.org/wiki/Havelock_island" target="_blank">..read more</a></p>

        </div>

        <div class="beach">

            <h3>3. Corbys Cove Beach (Port Blair)</h3>

            <p><strong>Why it's famous:</strong> Corbys Cove Beach is a popular beach near Port Blair, famous for its scenic beauty and calm waters. It's perfect for water sports like jet-skiing, boating, and swimming. The beach is ideal for a quick escape from the city, offering a serene and picturesque environment.<a href="https://en.wikipedia.org/wiki/Port_Blair" target="_blank">..read more</a></p>

        </div>

        <div class="beach">

            <h3>4. Elephant Beach (Havelock Island)</h3>

            <p><strong>Why it's famous:</strong> Elephant Beach is a popular spot for water activities such as snorkeling and scuba diving. The beach offers vibrant marine life and coral

        </div>
    </section>
</main>
</body>
```

reefs, making it a paradise for underwater enthusiasts. It's also known for its relaxed, laid-back atmosphere, perfect for unwinding and enjoying the beauty of the Andaman Sea.[..read more](https://en.wikipedia.org/wiki/Havelock_island)

</div>

<div class="beach">

### <h3>5. Laxmanpur Beach (Neil Island)</h3>

<p><strong>Why it's famous:</strong> Laxmanpur Beach is a peaceful and less crowded beach located on Neil Island, offering a scenic and serene environment. It's known for its white sand and clear waters, perfect for swimming, photography, and enjoying a quiet retreat. The stunning sunset views here make it a must-visit for those looking for a peaceful getaway.<a href="https://en.wikipedia.org/wiki/Neil\_Island" target="\_blank">..read more</a>

</div>

## <h2>Activities at Andaman and Nicobar Islands Beaches</h2>

<ul class="activities">

<li><strong>Water Sports:</strong> Beaches like Radhanagar, Corbys Cove, and Elephant Beach offer thrilling water activities such as jet-skiing, scuba diving, snorkeling, and parasailing, making it a perfect destination for adventure lovers.</li>

<li><strong>Snorkeling & Scuba Diving:</strong> Elephant Beach and Radhanagar Beach are especially famous for their vibrant coral reefs and marine life, offering exceptional opportunities for snorkeling and diving.</li>

<li><strong>Beach Walks & Sunset Viewing:</strong> The beaches in the Andaman Islands, such as Laxmanpur Beach and Vijaynagar Beach, are great for peaceful walks and breathtaking sunsets, ideal for nature lovers and photographers.</li>

<li><strong>Photography & Relaxation:</strong> With their natural beauty and serene environment, all the beaches offer perfect spots for relaxation, nature photography, and unwinding.</li>

</ul>

## <h2>Best Time to Visit Andaman and Nicobar Islands Beaches</h2>

<ul>

<li><strong>October to May:</strong> The best time to visit the Andaman and Nicobar Islands, with pleasant weather and clear skies, perfect for outdoor activities like water sports, swimming, and sightseeing.</li>

<li><strong>June to September:</strong> During the monsoon season, some beaches can be inaccessible due to heavy rains and rough seas. However, it's a great time for those who prefer fewer crowds and want to enjoy the lush greenery of the islands.</li>

</ul>

## <h2>Nearby Attractions</h2>

<div class="attractions">

### <h3>1. Cellular Jail (Port Blair)</h3>

<p>Located in Port Blair, the Cellular Jail is a historical landmark known for its association with India's freedom struggle. A visit to this prison offers insights into the country's colonial past and the sacrifices made for independence.</p>

</div>

<div class="attractions">

### <h3>2. Ross Island (Port Blair)</h3>

<p>Ross Island is a historic site near Port Blair, once the administrative headquarters of the British in the Andaman Islands. It's now a popular tourist destination, known for its ruins, picturesque views, and wildlife.</p>

</div>

<div class="attractions">

### <h3>3. Mahatma Gandhi Marine National Park (Wandoor)</h3>

<p>The Mahatma Gandhi Marine National Park is a must-visit for nature lovers and wildlife enthusiasts. Located near Wandoor, the park offers beautiful coral reefs, rich marine life, and opportunities for snorkeling and diving.</p>

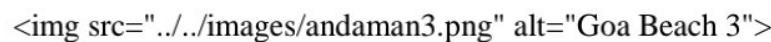
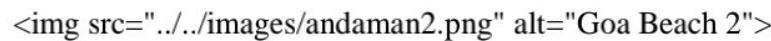
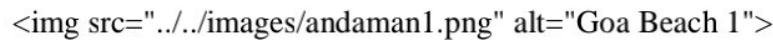
</div>

</section>

<section class="gallery">

## <h2 style="margin: 0; padding: 0; font-size: 1.5rem;">Gallery</h2>

<div class="image-container">



</div>

</section>

</main>

<section class="info" style="display: flex; justify-content: space-between; gap: 20px;">

<section class="weather" style="display: flex; flex-direction: column; gap: 10px;">

<div style="display: flex; align-items: center; gap: 10px;">



## <h2 style="margin: 0; padding: 0; font-size: 1.5rem;">Current Weather</h2>

</div>

<div id="weather-info" style="font-size: 1rem;">

<p>Loading weather data...</p>

</div>

```
</section>

<section class="disaster-alertness" style="display: flex; flex-direction: column; gap: 10px;">
  <div style="display: flex; align-items: center; gap: 10px;">
    
    <h2 style="margin: 0; padding: 0; font-size: 1.5rem;">Disaster Alertness</h2>
  </div>
  <div id="disaster-info" style="font-size: 1rem;">
    <p id="tsunami-alert" class="alert alert-warning" style="margin: 5px 0px;">No tsunami warnings at this time.</p>
    <p id="earthquake-alert" class="alert alert-danger" style="margin: 5px 0;">No earthquake alerts at this time.</p>
    <p id="flood-alert" class="alert alert-warning" style="margin: 5px 0;">No flood warnings at this time.</p>
    <p id="hurricane-alert" class="alert alert-danger" style="margin: 5px 0;">No hurricane warnings at this time.</p>
    <p id="landslide-alert" class="alert alert-warning" style="margin: 5px 0;">No landslide warnings at this time.</p>
    <p id="wildfire-alert" class="alert alert-danger" style="margin: 5px 0;">No wildfire warnings at this time.</p>
  </div>
</section>
</section>

<footer>
  <p>&copy; 2025 Andaman and Nicobar Islands Beach Paradise</p>
</footer>

<script>
  const weatherElement = document.getElementById('weather-info');
  const latitude = 15.2993;
  const disasterElement = document.getElementById('disaster-info');

  async function getDisasterAlerts() {
    const response = await fetch('https://api.example.com/disaster-alerts'); // Replace with actual API URL
    const data = await response.json();
    const tsunamiAlert = data.tsunami || "No tsunami warnings at this time.";
    const earthquakeAlert = data.earthquake || "No earthquake alerts at this time.";
  }
</script>
```

```
const floodAlert = data.flood || "No flood warnings at this time.";  
const hurricaneAlert = data.hurricane || "No hurricane warnings at this time.";  
const landslideAlert = data.landslide || "No landslide warnings at this time.";  
const wildfireAlert = data.wildfire || "No wildfire warnings at this time.";  
  
disasterElement.innerHTML = `  
    <p>${tsunamiAlert}</p>  
    <p>${earthquakeAlert}</p>  
    <p>${floodAlert}</p>  
    <p>${hurricaneAlert}</p>  
    <p>${landslideAlert}</p>  
    <p>${wildfireAlert}</p>  
`;  
}  
  
const longitude = 74.1240;  
  
async function getWeather() {  
    try {  
        const response = await fetch(  
            `https://api.open-meteo.com/v1/forecast?latitude=${latitude}&longitude=${longitude}&current=temperature_2m,relative_humidity_2m,wind_speed_10m,weather_code`  
        );  
        const data = await response.json();  
        if (data.current) {  
            const weather = {  
                temp: Math.round(data.current.temperature_2m),  
                description: getWeatherDescription(data.current.weather_code),  
                humidity: data.current.relative_humidity_2m,  
                wind: data.current.wind_speed_10m  
            };  
            weatherElement.innerHTML = `  
                <div class="weather-info">  
                    <div>
```

```
<p>Temperature: ${weather.temp}°C</p>
    <p>Condition: ${weather.description}</p>
    <p>Humidity: ${weather.humidity}%</p>
    <p>Wind: ${weather.wind} km/h</p>
</div>
</div>
`;
} else {
    weatherElement.innerHTML = `<p>Unable to fetch weather data</p>`;
}
} catch (error) {
    weatherElement.innerHTML = `<p>Error loading weather data</p>`;
    console.error('Error fetching weather:', error);
}
}

function getWeatherDescription(code) {
    const weatherCodes = {
        0: 'Clear sky',
        1: 'Mainly clear',
        2: 'Partly cloudy',
        3: 'Overcast',
        45: 'Fog',
        48: 'Depositing rime fog',
        51: 'Light drizzle',
        53: 'Moderate drizzle',
        55: 'Dense drizzle',
        56: 'Light freezing drizzle',
        57: 'Dense freezing drizzle',
        61: 'Slight rain',
        63: 'Moderate rain',
        65: 'Heavy rain',
        66: 'Light freezing rain',
        67: 'Heavy freezing rain',
    }
    return weatherCodes[code];
}
```

```
    71: 'Slight snow fall',
    73: 'Moderate snow fall',
    75: 'Heavy snow fall',
    77: 'Snow grains',
    80: 'Slight rain showers',
    81: 'Moderate rain showers',
    82: 'Violent rain showers',
    85: 'Slight snow showers',
    86: 'Heavy snow showers',
    95: 'Thunderstorm',
    96: 'Thunderstorm with slight hail',
    99: 'Thunderstorm with heavy hail'

};

return weatherCodes[code] || 'Unknown weather condition';

}

getWeather();

getDisasterAlerts();

</script>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Goa Beach Paradise</title>

<link rel="shortcut icon" href="../images/logo.png.jpg" type="image/x-icon">

<style>

body {

font-family: 'Times New Roman', Times, serif ;

margin: 0;

padding: 0;

background-image: url('/images/image4.png');
```

```
background-size: cover;  
background-repeat: no-repeat;  
background-position: center;  
background-attachment: fixed;  
color: #333;  
}  
  
header {  
background-color: #0077b6;  
color: white;  
padding: 20px;  
text-align: center;  
}  
  
main {  
padding: 20px;  
max-width: 1200px;  
margin: 0 auto;  
}  
  
h2 {  
color: #023e8a;  
margin-bottom: 15px;  
}  
  
.about p {  
line-height: 1.6;  
font-size: 1.1em;  
}  
  
.gallery .image-container {  
display: grid;  
grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));  
gap: 15px;  
margin-top: 20px;  
}  
  
.gallery img {  
width: 100%;
```

```
height: 200px;  
object-fit: cover;  
border-radius: 8px;  
box-shadow: 0 2px 4px rgba(0,0,0,0.1);  
}  
  
.weather {  
margin-top: 30px;  
padding: 20px;  
background-color: white;  
border-radius: 8px;  
box-shadow: 0 2px 4px rgba(0,0,0,0.1);  
}  
  
.weather-info {  
display: flex;  
align-items: center;  
gap: 15px;  
}  
  
.weather-icon {  
width: 50px;  
height: 50px;  
}  
  
.disaster-alertness {  
background-color: #f0f8ff;  
border: 0px solid #f0f8ff;  
border-radius: 8px;  
padding: 50px;  
box-shadow: 0 2px 4px rgba(0,0,0,0.1);  
flex: 1;  
}  
  
h2 {  
color: #023e8a;  
}  
  
.alert {
```

```
margin: 10px 0;  
padding: 10px;  
border-radius: 5px;  
}  
  
.alert-warning {  
background-color: #00ff4c;  
}  
  
.alert-danger {  
background-color: #4df9ff;  
}  
  
footer {  
background-color: #023e8a;  
color: white;  
text-align: center;  
padding: 15px;  
margin-top: 30px;  
}  
  
@media (max-width: 768px) {  
 .gallery .image-container {  
grid-template-columns: 1fr;  
}  
}  
  
.info{  
padding: 20px;  
max-width: 1200px;  
margin: 0 auto;  
display: flex;  
justify-content: space-between;  
}  
  
</style>  
</head>  
<body>  
<marquee>
```

```
<header>
  <h1>Welcome to Goa Beaches</h1>
</header>
</marquee>
<main>
  <section class="about">
    <details>
      <summary>
        <h2>Key Beaches in Goa</h2>
      </summary>
      </details>
      <div class="beach">
        <h3>1. Baga Beach (North Goa)</h3>
        <p><strong>Why it's famous:</strong> Baga is one of the most popular beaches in North Goa, known for its vibrant nightlife, water sports, and beach shacks. It's perfect for those looking to enjoy the lively atmosphere, dance at beach clubs, or participate in exciting water activities. <a href="https://en.wikipedia.org/wiki/Baga,_Goa" >..read more</a></p>
      </div>
      <div class="beach">
        <h3>2. Anjuna Beach (North Goa)</h3>
        <p><strong>Why it's famous:</strong> Anjuna is renowned for its bohemian atmosphere, its association with the hippie movement, and trance parties. The beach offers a unique blend of music, culture, and relaxation, making it a must-visit for free-spirited travelers. <a href="https://en.wikipedia.org/wiki/Anjuna" target="_blank">..read more</a></p>
      </div>
      <div class="beach">
        <h3>3. Candolim Beach (North Goa)</h3>
        <p><strong>Why it's famous:</strong> Candolim is known for its peaceful, laid-back atmosphere, making it ideal for those looking to relax away from the crowds. The beach is less commercialized than its neighbors and offers calm waters perfect for swimming. <a href="https://en.wikipedia.org/wiki/Candolim" target="_blank">..read more</a></p>
      </div>
      <div class="beach">
        <h3>4. Calangute Beach (North Goa)</h3>
        <p><strong>Why it's famous:</strong> Calangute is one of the largest and busiest beaches in Goa, offering a wide range of activities such as parasailing, water skiing, and shopping. Its long sandy stretch and bustling atmosphere attract tourists from around the
      </div>
    </section>
  </main>
```

world.<a href="https://en.wikipedia.org/wiki/Calangute" target="\_blank" >..read more</a></p>

</div>

<div class="beach">

<h3>5. Colva Beach (South Goa)</h3>

<p><strong>Why it's famous:</strong> Colva is known for its wide, clean sandy beaches and a more relaxed, family-friendly vibe. It's less crowded compared to the northern beaches and is perfect for long, peaceful beach walks and sunbathing. <a href="https://en.wikipedia.org/wiki/Colva" target="\_blank" >..read more</a> </p>

</div>

<div class="beach">

<h3>6. Vagator Beach (North Goa)</h3>

<p><strong>Why it's famous:</strong> Vagator is celebrated for its stunning cliffs, beautiful sunsets, and relaxed ambiance. It's quieter than many other northern beaches, making it a perfect retreat for those looking for peace and natural beauty. <a href="https://en.wikipedia.org/wiki/Vagator\_Beach" target="\_blank" >..read more</a> </p>

</div>

<div class="beach">

<h3>7. Palolem Beach (South Goa)</h3>

<p><strong>Why it's famous:</strong> Palolem is one of the most picturesque beaches in Goa, known for its crescent-shaped coastline and calm, shallow waters. It's a great place for a quiet getaway, ideal for swimming, kayaking, and taking in the beautiful scenery. <a href="https://en.wikipedia.org/wiki/Palolem\_Beach" target="\_blank" >..read more</a></p>

</div>

<details>

<summary>

<h2>Activities at Goa's Beaches</h2>

</summary>

</details>

<ul class="activities">

<li><strong>Water Sports:</strong> Popular across beaches like Baga and Calangute, water sports such as parasailing, jet-skiing, and windsurfing are available at most beaches, offering adrenaline-filled experiences.</li>

<li><strong>Sunbathing & Swimming:</strong> Beaches like Colva, Candolim, and Palolem are great for lounging and swimming, with calmer waters and less crowded shores.</li>

<li><strong>Beach Volleyball & Sports:</strong> Many beaches, including Baga and Anjuna, offer spaces for playing beach volleyball, football, or simply enjoying a friendly game with fellow travelers.</li>

<li><strong>Sunset Watching & Photography:</strong> Vagator and Palolem are famous for their breathtaking sunsets, providing perfect photo opportunities and a tranquil atmosphere to unwind.</li>

</ul>

## <h2>Best Time to Visit Goa's Beaches</h2>

<ul>

<li><strong>November to February:</strong> The peak season in Goa, with pleasant temperatures and clear skies. This is the best time to visit for comfortable weather and beach activities.</li>

<li><strong>March to May:</strong> During the hotter months, the beaches can be quite hot, so visiting in the evenings is recommended. It's also less crowded compared to the peak season.</li>

<li><strong>June to September:</strong> The monsoon season brings occasional rains and rough seas, making it a quieter time to visit for those who prefer the stormy atmosphere and lush greenery.</li>

</ul>

## <h2>Nearby Attractions</h2>

<div class="attractions">

### <h3>1. Fort Aguada</h3>

<p>Located near Candolim Beach, this 17th-century Portuguese fort offers panoramic views of the Arabian Sea and a glimpse into Goa's colonial past.</p>

</div>

<div class="attractions">

### <h3>2. Chapora Fort</h3>

<p>Near Vagator Beach, Chapora Fort provides spectacular views of the beach and surrounding areas, making it a great spot for sightseeing and photography.</p>

</div>

<div class="attractions">

### <h3>3. Dudhsagar Waterfalls</h3>

<p>Located inland, Dudhsagar Waterfalls is one of India's tallest waterfalls. It's a popular day trip from the beaches for nature lovers and adventure seekers.</p>

</div>

</section>

<section class="gallery">

```
<h2>Gallery</h2>

<div class="image-container">
    
    
    
</div>
</section>
</main>

<section class="info" style="display: flex; justify-content: space-between; gap: 20px;">
    <section class="weather" style="display: flex; flex-direction: column; gap: 10px;">
        <div style="display: flex; align-items: center; gap: 10px;">
            
            <h2 style="margin: 0; padding: 0; font-size: 1.5rem;">Current Weather</h2>
        </div>
        <div id="weather-info" style="font-size: 1rem;">
            <p>Loading weather data...</p>
        </div>
    </section>
    <section class="disaster-alertness" style="display: flex; flex-direction: column; gap: 10px;">
        <div style="display: flex; align-items: center; gap: 10px;">
            
            <h2 style="margin: 0; padding: 0; font-size: 1.5rem;">Disaster Alertness</h2>
        </div>
        <div id="disaster-info" style="font-size: 1rem;">
            <p id="tsunami-alert" class="alert alert-warning" style="margin: 5px 0px;">No tsunami warnings at this time.</p>
            <p id="earthquake-alert" class="alert alert-danger" style="margin: 5px 0;">No earthquake alerts at this time.</p>
            <p id="flood-alert" class="alert alert-warning" style="margin: 5px 0;">No flood warnings at this time.</p>
            <p id="hurricane-alert" class="alert alert-danger" style="margin: 5px 0;">No hurricane warnings at this time.</p>
            <p id="landslide-alert" class="alert alert-warning" style="margin: 5px 0;">No landslide warnings at this time.</p>
        </div>
    </section>
</section>
```

```
<p id="wildfire-alert" class="alert alert-danger" style="margin: 5px 0;">No wildfire
warnings at this time.</p>
</div>
</section>
</section>
<footer>
<p>&copy; 2025 Goa Beach Paradise</p>
</footer>
<script>
  const weatherElement = document.getElementById('weather-info');
  const latitude = 15.2993;
  const disasterElement = document.getElementById('disaster-info');

  async function getDisasterAlerts() {
    const response = await fetch('https://api.example.com/disaster-alerts'); // Replace with
actual API URL
    const data = await response.json();

    const tsunamiAlert = data.tsunami || "No tsunami warnings at this time.";
    const earthquakeAlert = data.earthquake || "No earthquake alerts at this time.";
    const floodAlert = data.flood || "No flood warnings at this time.";
    const hurricaneAlert = data.hurricane || "No hurricane warnings at this time.";
    const landslideAlert = data.landslide || "No landslide warnings at this time.";
    const wildfireAlert = data.wildfire || "No wildfire warnings at this time.";

    disasterElement.innerHTML = `

      <p>${tsunamiAlert}</p>
      <p>${earthquakeAlert}</p>
      <p>${floodAlert}</p>
      <p>${hurricaneAlert}</p>
      <p>${landslideAlert}</p>
      <p>${wildfireAlert}</p>
    `;
  }

  const longitude = 74.1240;
  async function getWeather() {
    try {

```

```
const response = await fetch(`https://api.open-meteo.com/v1/forecast?latitude=${latitude}&longitude=${longitude}&current=temperature_2m,relative_humidity_2m,wind_speed_10m,weather_code`);  
const data = await response.json();  
  
if (data.current) {  
    const weather = {  
        temp: Math.round(data.current.temperature_2m),  
        description: getWeatherDescription(data.current.weather_code),  
        humidity: data.current.relative_humidity_2m,  
        wind: data.current.wind_speed_10m  
    };  
  
    weatherElement.innerHTML = `<div class="weather-info"><div><p>Temperature: ${weather.temp} °C</p><p>Condition: ${weather.description}</p><p>Humidity: ${weather.humidity}%</p><p>Wind: ${weather.wind} km/h</p></div></div>`;  
}  
else {  
    weatherElement.innerHTML = `<p>Unable to fetch weather data</p>`;  
}  
}  
}  
  
} catch (error) {  
    weatherElement.innerHTML = `<p>Error loading weather data</p>`;  
    console.error('Error fetching weather:', error);  
}  
}  
  
function getWeatherDescription(code) {  
    const weatherCodes = {  
        0: 'Clear sky'  
    };
```

```
    1: 'Mainly clear',
    2: 'Partly cloudy',
    3: 'Overcast',
    45: 'Fog',
    48: 'Depositing rime fog',
    51: 'Light drizzle',
    53: 'Moderate drizzle',
    55: 'Dense drizzle',
    56: 'Light freezing drizzle',
    57: 'Dense freezing drizzle',
    61: 'Slight rain',
    63: 'Moderate rain',
    65: 'Heavy rain',
    66: 'Light freezing rain',
    67: 'Heavy freezing rain',
    71: 'Slight snow fall',
    73: 'Moderate snow fall',
    75: 'Heavy snow fall',
    77: 'Snow grains',
    80: 'Slight rain showers',
    81: 'Moderate rain showers',
    82: 'Violent rain showers',
    85: 'Slight snow showers',
    86: 'Heavy snow showers',
    95: 'Thunderstorm',
    96: 'Thunderstorm with slight hail',
    99: 'Thunderstorm with heavy hail'

};

return weatherCodes[code] || 'Unknown weather condition';

}

getWeather();
getDisasterAlerts();

</script>
```

```
</body>
</html>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Juhu Beach Paradise</title>
    <link rel="shortcut icon" href="../images/logo.png.jpg" type="image/x-icon">
    <style>
        body {
            font-family: 'Times New Roman', Times, serif ;
            margin: 0;
            padding: 0;
            background-image: url('/images/image4.png');
            background-size: cover;
            background-repeat: no-repeat;
            background-position: center;
            background-attachment: fixed;
            color: #333;
        }
        header {
            background-color: #0077b6;
            color: white;
            padding: 20px;
            text-align: center;
        }
        main {
            padding: 20px;
            max-width: 1200px;
            margin: 0 auto;
        }
        h2 {
```

```
        color: #023e8a;  
        margin-bottom: 15px;  
    }  
  
.about p {  
    line-height: 1.6;  
    font-size: 1.1em;  
}  
  
.gallery .image-container {  
    display: grid;  
    grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));  
    gap: 15px;  
    margin-top: 20px;  
}  
  
.gallery img {  
    width: 100%;  
    height: 200px;  
    object-fit: cover;  
    border-radius: 8px;  
    box-shadow: 0 2px 4px rgba(0,0,0,0.1);  
}  
  
.weather {  
    margin-top: 30px;  
    padding: 20px;  
    background-color: white;  
    border-radius: 8px;  
    box-shadow: 0 2px 4px rgba(0,0,0,0.1);  
}  
  
.weather-info {  
    display: flex;  
    align-items: center;  
    gap: 15px;  
}  
  
.weather-icon {
```

```
width: 50px;  
height: 50px;  
}  
.disaster-alertness {  
background-color: #f0f8ff;  
border: 0px solid #f0f8ff;  
border-radius: 8px;  
padding: 50px;  
box-shadow: 0 2px 4px rgba(0,0,0,0.1);  
flex: 1;  
}  
h2 {  
color: #023e8a;  
}  
.alert {  
margin: 10px 0;  
padding: 10px;  
border-radius: 5px;  
}  
.alert-warning {  
background-color: #00ff4c;  
}  
.alert-danger {  
background-color: #4df9ff;  
}  
footer {  
background-color: #023e8a;  
color: white;  
text-align: center;  
padding: 15px;  
margin-top: 30px;  
}  
 @media (max-width: 768px) {
```

```
.gallery .image-container {  
    grid-template-columns: 1fr;  
}  
  
.info{  
    padding: 20px;  
    max-width: 1200px;  
    margin: 0 auto;  
    display: flex;  
    justify-content: space-between;  
}  
  
</style>  
  
</head>  
  
<body>  
  
<marquee>  
    <header>  
        <h1>Welcome to Juhu Beaches</h1>  
    </header>  
</marquee>  
  
<main>  
    <section class="about">  
        <h2>Juhu Beach - Mumbai</h2>  
    <h3>Overview:</h3>  
    <p>Juhu Beach is one of the most famous and busiest beaches in Mumbai, located in the western suburb of Juhu. It's well known for its vibrant atmosphere, the long sandy shoreline, and its proximity to some of Mumbai's most affluent neighborhoods. The beach is a popular destination for both locals and tourists, offering a combination of relaxation, street food, and entertainment.</p>  
    <h3>Key Features:</h3>  
    <ul class="beach-list">  
        <li>  
            <h3>Sandy Beach and Long Shoreline</h3>  
            <p>Juhu Beach stretches for several kilometers, offering a large area to walk along and relax. It is ideal for joggers, families, and those simply looking to enjoy the fresh sea breeze.</p>
```

</li>

<li>

### Street Food

<p>Juhu Beach is renowned for its array of delicious local street foods, including pav bhaji, bhel puri, and vada pav. The beachside stalls serve up these popular snacks to the delight of beachgoers.</p>

</li>

<li>

### Sunsets

<p>Juhu Beach is a perfect spot to watch a stunning sunset. As the sun sets over the Arabian Sea, it offers beautiful views and great opportunities for photography.</p>

</li>

</ul>

## Activities at Juhu Beach:

<ul class="beach-list">

<li>

### Evening Walks

<p>With its long sandy shoreline, Juhu Beach is perfect for a relaxing walk, particularly during the evening when the atmosphere is calm and refreshing.</p>

</li>

<li>

### Beach Volleyball and Sports

<p>The beach is a popular spot for local sports enthusiasts. Visitors often engage in beach volleyball, football, and other sports on the sand.</p>

</li>

<li>

### Horse Riding

<p>For a fun experience, visitors can enjoy a ride on horseback along the beach, offering a unique way to explore the coastline.</p>

</li>

<li>

### Photography

<p>Juhu Beach is one of the best spots in Mumbai for capturing sunset shots and candid moments of local life, with the beach providing a great backdrop for photography.</p>

</li>

</ul>

### <h3>Best Time to Visit Juhu Beach:</h3>

<ul class="beach-list">

<li>

### <h3>November to February</h3>

<p>The weather in Mumbai is cooler and more pleasant during these months, making it the best time to visit Juhu Beach for a comfortable experience.</p>

</li>

<li>

### <h3>March to May</h3>

<p>During the hotter months, visiting the beach in the evenings is recommended, as daytime temperatures can be very high in Mumbai.</p>

</li>

<li>

### <h3>June to September</h3>

<p>The monsoon season can bring occasional rains, but the beach remains a popular spot for those who enjoy the sight of the stormy sea and the cool breeze.</p>

</li>

</ul>

### <h3>Nearby Attractions:</h3>

<ul class="beach-list">

<li>

### <h3>ISKCON Temple</h3>

<p>Located near Juhu Beach, the ISKCON temple is one of the most prominent religious places in Mumbai. It offers a peaceful and spiritual experience for visitors.</p>

</li>

<li>

### <h3>Prithvi Theatre</h3>

<p>A cultural landmark in the area, Prithvi Theatre is known for hosting theatrical performances, music, and dance events.</p>

</li>

<li>

### <h3>Juhu Aerodrome</h3>

<p>For aviation enthusiasts, Juhu Aerodrome is nearby. It is one of the oldest airstrips in India and is still in use for private aircraft operations.</p>

```
</li>
</ul>
</section>
<section class="gallery">
  <h2>Gallery</h2>
  <div class="image-container">
    
    
    
  </div>
</section>
</main>
<section class="info" style="display: flex; justify-content: space-between; gap: 20px;">
  <section class="weather" style="display: flex; flex-direction: column; gap: 10px;">
    <div style="display: flex; align-items: center; gap: 10px;">
      
      <h2 style="margin: 0; padding: 0; font-size: 1.5rem;">Current Weather</h2>
    </div>
    <div id="weather-info" style="font-size: 1rem;">
      <p>Loading weather data...</p>
    </div>
  </section>
  <section class="disaster-alertness" style="display: flex; flex-direction: column; gap: 10px;">
    <div style="display: flex; align-items: center; gap: 10px;">
      
      <h2 style="margin: 0; padding: 0; font-size: 1.5rem;">Disaster Alertness</h2>
    </div>
    <div id="disaster-info" style="font-size: 1rem;">
      <p id="tsunami-alert" class="alert alert-warning" style="margin: 5px 0px;">No tsunami warnings at this time.</p>
      <p id="earthquake-alert" class="alert alert-danger" style="margin: 5px 0;">No earthquake alerts at this time.</p>
    </div>
  </section>
</section>
```

```
<p id="flood-alert" class="alert alert-warning" style="margin: 5px 0;">No flood
warnings at this time.</p>

<p id="hurricane-alert" class="alert alert-danger" style="margin: 5px 0;">No
hurricane warnings at this time.</p>

<p id="landslide-alert" class="alert alert-warning" style="margin: 5px 0;">No
landslide warnings at this time.</p>

<p id="wildfire-alert" class="alert alert-danger" style="margin: 5px 0;">No wildfire
warnings at this time.</p>

</div>

</section>

</section>

<footer>
  <p>&copy; 2025 Juhu Beach Paradise</p>
</footer>

<script>
  const weatherElement = document.getElementById('weather-info');

  const latitude = 15.2993;

  const disasterElement = document.getElementById('disaster-info');

  async function getDisasterAlerts() {
    const response = await fetch('https://api.example.com/disaster-alerts'); // Replace with
actual API URL

    const data = await response.json();

    const tsunamiAlert = data.tsunami || "No tsunami warnings at this time./";

    const earthquakeAlert = data.earthquake || "No earthquake alerts at this time./";

    const floodAlert = data.flood || "No flood warnings at this time./";

    const hurricaneAlert = data.hurricane || "No hurricane warnings at this time./";

    const landslideAlert = data.landslide || "No landslide warnings at this time./";

    const wildfireAlert = data.wildfire || "No wildfire warnings at this time./";

    disasterElement.innerHTML = `

      <p>${tsunamiAlert}</p>
      <p>${earthquakeAlert}</p>
      <p>${floodAlert}</p>
      <p>${hurricaneAlert}</p>
      <p>${landslideAlert}</p>
      <p>${wildfireAlert}</p>
    `;
  }
</script>
```

```
`;

}

const longitude = 74.1240;

async function getWeather() {

    try {

        const response = await fetch(`

            https://api.open-
meteo.com/v1/forecast?latitude=${latitude}&longitude=${longitude}&current=temperature_2
m,relative_humidity_2m,wind_speed_10m,weather_code`)

    );

        const data = await response.json();

        if (data.current) {

            const weather = {

                temp: Math.round(data.current.temperature_2m),
                description: getWeatherDescription(data.current.weather_code),
                humidity: data.current.relative_humidity_2m,
                wind: data.current.wind_speed_10m
            };

            weatherElement.innerHTML = `

                <div class="weather-info">
                    <div>
                        <p>Temperature: ${weather.temp} °C</p>
                        <p>Condition: ${weather.description}</p>
                        <p>Humidity: ${weather.humidity}%</p>
                        <p>Wind: ${weather.wind} km/h</p>
                    </div>
                </div>
            `;

        } else {

            weatherElement.innerHTML = `<p>Unable to fetch weather data</p>`;
        }
    } catch (error) {

        weatherElement.innerHTML = `<p>Error loading weather data</p>`;
    }
}
```

```
        console.error('Error fetching weather:', error);
    }
}

function getWeatherDescription(code) {
    const weatherCodes = {
        0: 'Clear sky',
        1: 'Mainly clear',
        2: 'Partly cloudy',
        3: 'Overcast',
        45: 'Fog',
        48: 'Depositing rime fog',
        51: 'Light drizzle',
        53: 'Moderate drizzle',
        55: 'Dense drizzle',
        56: 'Light freezing drizzle',
        57: 'Dense freezing drizzle',
        61: 'Slight rain',
        63: 'Moderate rain',
        65: 'Heavy rain',
        66: 'Light freezing rain',
        67: 'Heavy freezing rain',
        71: 'Slight snow fall',
        73: 'Moderate snow fall',
        75: 'Heavy snow fall',
        77: 'Snow grains',
        80: 'Slight rain showers',
        81: 'Moderate rain showers',
        82: 'Violent rain showers',
        85: 'Slight snow showers',
        86: 'Heavy snow showers',
        95: 'Thunderstorm',
        96: 'Thunderstorm with slight hail',
        99: 'Thunderstorm with heavy hail'
    };
    return weatherCodes[code];
}
```

```
        };

        return weatherCodes[code] || 'Unknown weather condition';

    }

getWeather();

    getDisasterAlerts();

</script>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Kerala Beach Paradise</title>

    <link rel="shortcut icon" href="../images/logo.png.jpg" type="image/x-icon">

    <style>

        body {

            font-family: 'Times New Roman', Times, serif ;

            margin: 0;

            padding: 0;

            background-image: url('/images/image4.png');

            background-size: cover;

            background-repeat: no-repeat;

            background-position: center;

            background-attachment: fixed;

            color: #333;

        }

        header {

            background-color: #0077b6;

            color: white;

            padding: 20px;

            text-align: center;

        }

    
```

```
main {  
    padding: 20px;  
    max-width: 1200px;  
    margin: 0 auto;  
}  
  
h2 {  
    color: #023e8a;  
    margin-bottom: 15px;  
}  
  
.about p {  
    line-height: 1.6;  
    font-size: 1.1em;  
}  
  
.gallery .image-container {  
    display: grid;  
    grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));  
    gap: 15px;  
    margin-top: 20px;  
}  
  
.gallery img {  
    width: 100%;  
    height: 200px;  
    object-fit: cover;  
    border-radius: 8px;  
    box-shadow: 0 2px 4px rgba(0,0,0,0.1);  
}  
  
.weather {  
    margin-top: 30px;  
    padding: 20px;  
    background-color: white;  
    border-radius: 8px;  
    box-shadow: 0 2px 4px rgba(0,0,0,0.1);  
}
```

```
.weather-info {  
    display: flex;  
    align-items: center;  
    gap: 15px;  
}  
.weather-icon {  
    width: 50px;  
    height: 50px;  
}  
.disaster-alertness {  
    background-color: #f0f8ff;  
    border: 0px solid #f0f8ff;  
    border-radius: 8px;  
    padding: 50px;  
    box-shadow: 0 2px 4px rgba(0,0,0,0.1);  
    flex: 1;  
}  
h2 {  
    color: #023e8a;  
}  
.alert {  
    margin: 10px 0;  
    padding: 10px;  
    border-radius: 5px;  
}  
.alert-warning {  
    background-color: #00ff4c;  
}  
.alert-danger {  
    background-color: #4df9ff;  
}  
footer {  
    background-color: #023e8a;
```

```
        color: white;
        text-align: center;
        padding: 15px;
        margin-top: 30px;
    }

    @media (max-width: 768px) {
        .gallery .image-container {
            grid-template-columns: 1fr;
        }
    }

.info{
    padding: 20px;
    max-width: 1200px;
    margin: 0 auto;
    display: flex;
    justify-content: space-between;
}


```

</style>

</head>

<body>

<marquee>

<header>

<h1>Welcome to Kerala Beaches</h1>

</header>

</marquee>

<main>

<section class="about">

<h2>Key Beaches in Kerala</h2>

<div class="beach">

<h3>1. Varkala Beach (Varkala)</h3>

<p><strong>Why it's famous:</strong> Varkala Beach is famous for its unique cliffs, offering breathtaking views of the Arabian Sea. It's known for its peaceful ambiance, making it ideal for sunbathing, swimming, and yoga. The Papanasam Beach nearby is believed to have

cleansing properties<a href="https://en.wikipedia.org/wiki/Varkala\_Beach" target="\_blank">..read more</a></p>

</div>

<div class="beach">

### <h3>2. Kovalam Beach (Thiruvananthapuram)</h3>

<p><strong>Why it's famous:</strong> Kovalam is one of Kerala's most iconic beaches, known for its crescent-shaped coastline, golden sand, and clear waters. It's perfect for water sports like surfing and has several resorts offering a relaxing getaway by the sea<a href="https://en.wikipedia.org/wiki/Kovalam" target="\_blank" >..read more</a></p>

</div>

<div class="beach">

### <h3>3. Cherai Beach (Kochi)</h3>

<p><strong>Why it's famous:</strong> Cherai Beach offers a tranquil retreat, with its golden sands, clear water, and the backdrop of lush coconut groves. It's a great destination for swimming, relaxing, and watching the sunset. It also has a peaceful vibe, away from the usual tourist crowds <a href="https://en.wikipedia.org/wiki/Cherai\_Beach" target="\_blank" >..read more</a></p>

</div>

<div class="beach">

### <h3>4. Alappuzha Beach (Alappuzha)</h3>

<p><strong>Why it's famous:</strong> Alappuzha Beach, also known as Alleppey Beach, is famous for its calm waters, long sandy stretch, and historic lighthouse. It's the gateway to Kerala's backwaters and is known for its serene beauty and boat rides on the backwaters<a href="https://en.wikipedia.org/wiki/Alappuzha\_Beach" target="\_blank" >..read more</a></p>

</div>

<div class="beach">

### <h3>5. Munroe Island (Kollam)</h3>

<p><strong>Why it's famous:</strong> Munroe Island is a unique destination located at the confluence of the Kerala backwaters and the Arabian Sea. Known for its beautiful landscapes and serene environment, it's a great spot to explore the village life, local culture, and enjoy a peaceful boat ride<a href="https://en.wikipedia.org/wiki/Munroe\_Island" target="\_blank" >..read more</a></p>

</div>

## <h2>Activities at Kerala's Beaches</h2>

<ul class="activities">

<li><strong>Water Sports:</strong> Kovalam and Varkala are great for water activities like surfing, parasailing, and kayaking, providing an adrenaline rush for adventure seekers.</li>

<li><strong>Beach Walks & Sunbathing:</strong> Beaches like Cherai and Alappuzha are perfect for peaceful beach walks and relaxing under the sun, offering a calm environment to unwind.</li>

<li><strong>Backwater Cruises:</strong> Alappuzha and Munroe Island are famous for their backwater cruises, where you can enjoy a boat ride through Kerala's serene waterways, surrounded by lush landscapes.</li>

<li><strong>Ayurvedic Spas & Wellness:</strong> Kerala is known for its Ayurvedic treatments, and many resorts near Kovalam and Cherai offer wellness packages that include spa treatments, yoga, and meditation.</li>

</ul>

## <h2>Best Time to Visit Kerala's Beaches</h2>

<ul>

<li><strong>November to February:</strong> The peak season in Kerala, with pleasant temperatures and clear skies. This is the best time to visit for beach activities, sightseeing, and enjoying the natural beauty.</li>

<li><strong>March to May:</strong> The hotter months can be quite warm, but the beaches are less crowded. It's a great time for those who prefer a more private experience and can handle the heat.</li>

<li><strong>June to September:</strong> The monsoon season brings heavy rains and lush greenery. While the weather is more humid, it's perfect for those looking to experience Kerala's rejuvenating monsoon atmosphere.</li>

</ul>

## <h2>Nearby Attractions</h2>

<div class="attractions">

### <h3>1. Padmanabhaswamy Temple</h3>

<p>Located in Thiruvananthapuram, the Padmanabhaswamy Temple is an ancient and sacred Hindu temple known for its magnificent architecture and cultural significance. It's an essential stop for history and culture enthusiasts visiting Kerala.</p>

</div>

<div class="attractions">

### <h3>2. Backwaters of Alappuzha</h3>

<p>The backwaters of Alappuzha, also known as the "Venice of the East," offer a unique experience where visitors can cruise through tranquil waterways surrounded by lush greenery. It's one of Kerala's most iconic attractions.</p>

</div>

<div class="attractions">

### <h3>3. Kovalam Lighthouse</h3>

<p>The Kovalam Lighthouse, located near the Kovalam Beach, offers stunning views of the Arabian Sea. Visitors can climb to the top and take in the panoramic vistas of the coastline, making it a popular spot for photography and sightseeing.</p>

</div>

</section>

<section class="gallery">

<h2>Gallery</h2>

<div class="image-container">







</div>

</section>

</main>

<section class="info" style="display: flex; justify-content: space-between; gap: 20px;">

<section class="weather" style="display: flex; flex-direction: column; gap: 10px;">

<div style="display: flex; align-items: center; gap: 10px;">



<h2 style="margin: 0; padding: 0; font-size: 1.5rem;">Current Weather</h2>

</div>

<div id="weather-info" style="font-size: 1rem;">

<p>Loading weather data...</p>

</div>

</section>

<section class="disaster-alertness" style="display: flex; flex-direction: column; gap: 10px;">

<div style="display: flex; align-items: center; gap: 10px;">



<h2 style="margin: 0; padding: 0; font-size: 1.5rem;">Disaster Alertness</h2>

</div>

<div id="disaster-info" style="font-size: 1rem;">

<p id="tsunami-alert" class="alert alert-warning" style="margin: 5px 0px;">No tsunami warnings at this time.</p>

<p id="earthquake-alert" class="alert alert-danger" style="margin: 5px 0;">No earthquake alerts at this time.</p>

```
<p id="flood-alert" class="alert alert-warning" style="margin: 5px 0;">No flood
warnings at this time.</p>

<p id="hurricane-alert" class="alert alert-danger" style="margin: 5px 0;">No
hurricane warnings at this time.</p>

<p id="landslide-alert" class="alert alert-warning" style="margin: 5px 0;">No
landslide warnings at this time.</p>

<p id="wildfire-alert" class="alert alert-danger" style="margin: 5px 0;">No wildfire
warnings at this time.</p>

</div>

</section>

</section>

<footer>

    <p>&copy; 2025 Kerala Beach Paradise</p>

</footer>

<script>

    const weatherElement = document.getElementById('weather-info');

    const latitude = 15.2993;

    const disasterElement = document.getElementById('disaster-info');

    async function getDisasterAlerts() {

        const response = await fetch('https://api.example.com/disaster-alerts'); // Replace with
actual API URL

        const data = await response.json();

        const tsunamiAlert = data.tsunami || "No tsunami warnings at this time./";

        const earthquakeAlert = data.earthquake || "No earthquake alerts at this time./";

        const floodAlert = data.flood || "No flood warnings at this time./";

        const hurricaneAlert = data.hurricane || "No hurricane warnings at this time./";

        const landslideAlert = data.landslide || "No landslide warnings at this time./";

        const wildfireAlert = data.wildfire || "No wildfire warnings at this time./";

        disasterElement.innerHTML = `

            <p>${tsunamiAlert}</p>
            <p>${earthquakeAlert}</p>
            <p>${floodAlert}</p>
            <p>${hurricaneAlert}</p>
            <p>${landslideAlert}</p>
            <p>${wildfireAlert}</p>
        `;
    }
</script>
```

```
    `;
}

const longitude = 74.1240;

async function getWeather() {
    try {
        const response = await fetch(
            `https://api.open-
meteo.com/v1/forecast?latitude=${latitude}&longitude=${longitude}&current=temperature_2
m,relative_humidity_2m,wind_speed_10m,weather_code`
        );
        const data = await response.json();
        if (data.current) {
            const weather = {
                temp: Math.round(data.current.temperature_2m),
                description: getWeatherDescription(data.current.weather_code),
                humidity: data.current.relative_humidity_2m,
                wind: data.current.wind_speed_10m
            };
            weatherElement.innerHTML =
                `

<div>
                        <p>Temperature: ${weather.temp} °C</p>
                        <p>Condition: ${weather.description}</p>
                        <p>Humidity: ${weather.humidity}%</p>
                        <p>Wind: ${weather.wind} km/h</p>
                    </div>
                </div>
            `;
        } else {
            weatherElement.innerHTML = `<p>Unable to fetch weather data</p>`;
        }
    } catch (error) {
        weatherElement.innerHTML = `<p>Error loading weather data</p>`;
        console.error('Error fetching weather', error);
    }
}


```

```
        }

    }

function getWeatherDescription(code) {
    const weatherCodes = {
        0: 'Clear sky',
        1: 'Mainly clear',
        2: 'Partly cloudy',
        3: 'Overcast',
        45: 'Fog',
        48: 'Depositing rime fog',
        51: 'Light drizzle',
        53: 'Moderate drizzle',
        55: 'Dense drizzle',
        56: 'Light freezing drizzle',
        57: 'Dense freezing drizzle',
        61: 'Slight rain',
        63: 'Moderate rain',
        65: 'Heavy rain',
        66: 'Light freezing rain',
        67: 'Heavy freezing rain',
        71: 'Slight snow fall',
        73: 'Moderate snow fall',
        75: 'Heavy snow fall',
        77: 'Snow grains',
        80: 'Slight rain showers',
        81: 'Moderate rain showers',
        82: 'Violent rain showers',
        85: 'Slight snow showers',
        86: 'Heavy snow showers',
        95: 'Thunderstorm',
        96: 'Thunderstorm with slight hail',
        99: 'Thunderstorm with heavy hail'
    };
}
```

```
        return weatherCodes[code] || 'Unknown weather condition';
    }
getWeather();
getDisasterAlerts();
</script>
</body>
</html>
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Lakshadweep Beach Paradise</title>
<link rel="shortcut icon" href="../images/logo.png.jpg" type="image/x-icon">
<style>
body {
    font-family: 'Times New Roman', Times, serif ;
    margin: 0;
    padding: 0;
    background-image: url('/images/image4.png');
    background-size: cover;
    background-repeat: no-repeat;
    background-position: center;
    background-attachment: fixed;
    color: #333;
}
header {
    background-color: #0077b6;
    color: white;
    padding: 20px;
    text-align: center;
}
main {
```

```
padding: 20px;  
max-width: 1200px;  
margin: 0 auto;  
}  
  
h2 {  
color: #023e8a;  
margin-bottom: 15px;  
}  
  
.about p {  
line-height: 1.6;  
font-size: 1.1em;  
}  
  
.gallery .image-container {  
display: grid;  
grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));  
gap: 15px;  
margin-top: 20px;  
}  
  
.gallery img {  
width: 100%;  
height: 200px;  
object-fit: cover;  
border-radius: 8px;  
box-shadow: 0 2px 4px rgba(0,0,0,0.1);  
}  
  
.weather {  
margin-top: 30px;  
padding: 20px;  
background-color: white;  
border-radius: 8px;  
box-shadow: 0 2px 4px rgba(0,0,0,0.1);  
}
```

```
.weather-info {  
    display: flex;  
    align-items: center;  
    gap: 15px;  
}  
.weather-icon {  
    width: 50px;  
    height: 50px;  
}  
.disaster-alertness {  
    background-color: #f0f8ff;  
    border: 0px solid #f0f8ff;  
    border-radius: 8px;  
    padding: 50px;  
    box-shadow: 0 2px 4px rgba(0,0,0,0.1);  
    flex: 1;  
}  
h2 {  
    color: #023e8a;  
}  
.alert {  
    margin: 10px 0;  
    padding: 10px;  
    border-radius: 5px;  
}  
.alert-warning {  
    background-color: #00ff4c;  
}  
.alert-danger {  
    background-color: #4df9ff;  
}  
footer {  
    background-color: #023e8a;
```

```
        color: white;
        text-align: center;
        padding: 15px;
        margin-top: 30px;
    }

    @media (max-width: 768px) {
        .gallery .image-container {
            grid-template-columns: 1fr;
        }
    }

    .info{
        padding: 20px;
        max-width: 1200px;
        margin: 0 auto;
        display: flex;
        justify-content: space-between;
    }
}

</style>

</head>

<body>

    <marquee>

        <header>

            <h1>Welcome to Lakshadweep Beaches</h1>

        </header>

    </marquee>

    <main>

        <section class="about">

            <h2>Key Beaches in Lakshadweep</h2>

            <div class="beach">

                <h3>1. Agatti Island Beach (Agatti Island)</h3>

                <p><strong>Why it's famous:</strong> Agatti Island Beach is known for its pristine, white sandy beaches and crystal-clear turquoise waters.</p>

            </div>

        </section>

    </main>

</body>
```

It's the most developed island in Lakshadweep, offering a perfect blend of natural beauty and tranquility. The beach is ideal for

water sports such as snorkeling, scuba diving, and swimming, as well as relaxing in its serene environment

<a href="https://en.wikipedia.org/wiki/Agatti\_Island" target="\_blank">..read more</a>

</p>

</div>

<div class="beach">

### <h3>2. Bangaram Beach (Bangaram Island)</h3>

<p><strong>Why it's famous:</strong> Bangaram Beach is one of the most picturesque beaches in Lakshadweep. Located on Bangaram Island, it is famous for its untouched beauty, clear lagoons, and calm atmosphere. It's perfect for a peaceful escape, where visitors can enjoy water sports, beach picnics, and breathtaking sunsets <a

href="https://en.wikipedia.org/wiki/Bangaram\_Island" target="\_blank">..read more</a> </p>

<div class="beach">

### <h3>3. Kavaratti Beach (Kavaratti Island)</h3>

<p><strong>Why it's famous:</strong> Kavaratti Beach, located on Kavaratti Island, is known for its stunning coral reefs and rich marine life. The beach is perfect for swimming, sunbathing, and exploring the vibrant underwater world through activities like snorkeling and scuba diving. It's a paradise for marine life enthusiasts and beach lovers alike<a

href="https://en.wikipedia.org/wiki/Kavaratti\_Island" target="\_blank">..read more</a></p>

</div>

## <h2>Activities at Lakshadweep's Beaches</h2>

<ul class="activities">

<li><strong>Water Sports:</strong> Lakshadweep's beaches, including Agatti Island Beach and Kavaratti Beach, are perfect for water sports such as snorkeling, scuba diving, and jet skiing. The clear waters and vibrant coral reefs provide an ideal environment for these activities.</li>

<li><strong>Swimming & Sunbathing:</strong> Beaches like Bangaram Beach are ideal for swimming and relaxing in the sun. The calm and shallow waters make it perfect for families and those looking to unwind.</li>

<li><strong>Beach Picnics:</strong> With its tranquil and remote atmosphere, Lakshadweep's beaches offer the perfect setting for beach picnics, whether you're on Agatti Island Beach or Bangaram Beach.</li>

<li><strong>Island Exploration:</strong> Many of the islands in Lakshadweep, including Kavaratti Island, offer opportunities to explore the local culture and surrounding natural beauty, including lagoons, coral reefs, and native wildlife.</li>

</ul>

## <h2>Best Time to Visit Lakshadweep's Beaches</h2>

<ul>

<li><strong>October to May:</strong> The best time to visit Lakshadweep's beaches is during the dry season, from October to May. The weather is pleasant, with clear skies and calm seas, making it ideal for beach activities, water sports, and exploring the islands.</li>

<li><strong>June to September:</strong> The monsoon season brings heavy rains and rough seas, making it less ideal for beach activities. However, the lush greenery and quieter atmosphere during the monsoon might appeal to some visitors.</li>

</ul>

## <h2>Nearby Attractions</h2>

<div class="attractions">

### <h3>1. Coral Reefs (Agatti Island & Kavaratti Island)</h3>

<p>The coral reefs around Agatti Island and Kavaratti Island are among the best in India. They are a haven for marine life and provide amazing opportunities for snorkeling and scuba diving to explore the underwater ecosystem.</p>

</div>

<div class="attractions">

### <h3>2. Dolphin Watching (Kavaratti Island)</h3>

<p>Near Kavaratti Island, visitors can enjoy dolphin watching, with frequent sightings of playful dolphins in the warm tropical waters. It's a unique and exciting experience for nature lovers.</p>

</div>

<div class="attractions">

### <h3>3. Lighthouse (Agatti Island)</h3>

<p>Agatti Island also features a historic lighthouse, offering panoramic views of the surrounding ocean and islands. It's a great spot for photography and enjoying the island's natural beauty.</p>

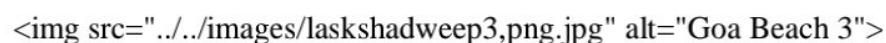
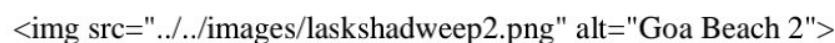
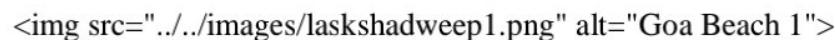
</div>

</section>

<section class="gallery">

## <h2>Gallery</h2>

<div class="image-container">



</div>

</section>

</main>

<section class="info" style="display: flex; justify-content: space-between; gap: 20px;">

```
<section class="weather" style="display: flex; flex-direction: column; gap: 10px;">
  <div style="display: flex; align-items: center; gap: 10px;">
    
    <h2 style="margin: 0; padding: 0; font-size: 1.5rem;">Current Weather</h2>
  </div>
  <div id="weather-info" style="font-size: 1rem;">
    <p>Loading weather data...</p>
  </div>
</section>

<section class="disaster-alertness" style="display: flex; flex-direction: column; gap: 10px;">
  <div style="display: flex; align-items: center; gap: 10px;">
    
    <h2 style="margin: 0; padding: 0; font-size: 1.5rem;">Disaster Alertness</h2>
  </div>
  <div id="disaster-info" style="font-size: 1rem;">
    <p id="tsunami-alert" class="alert alert-warning" style="margin: 5px 0px;">No tsunami warnings at this time.</p>
    <p id="earthquake-alert" class="alert alert-danger" style="margin: 5px 0;">No earthquake alerts at this time.</p>
    <p id="flood-alert" class="alert alert-warning" style="margin: 5px 0;">No flood warnings at this time.</p>
    <p id="hurricane-alert" class="alert alert-danger" style="margin: 5px 0;">No hurricane warnings at this time.</p>
    <p id="landslide-alert" class="alert alert-warning" style="margin: 5px 0;">No landslide warnings at this time.</p>
    <p id="wildfire-alert" class="alert alert-danger" style="margin: 5px 0;">No wildfire warnings at this time.</p>
  </div>
</section>
</section>

<footer>
  <p>&copy; 2025 Lakshadweep Beach Paradise</p>
</footer>
<script>
```

```
const weatherElement = document.getElementById('weather-info');
```

```
const latitude = 15.2993;
const disasterElement = document.getElementById('disaster-info');

async function getDisasterAlerts() {
    const response = await fetch('https://api.example.com/disaster-alerts'); // Replace with
actual API URL

    const data = await response.json();

const tsunamiAlert = data.tsunami || "No tsunami warnings at this time.";
const earthquakeAlert = data.earthquake || "No earthquake alerts at this time.";
const floodAlert = data.flood || "No flood warnings at this time.";
const hurricaneAlert = data.hurricane || "No hurricane warnings at this time.";
const landslideAlert = data.landslide || "No landslide warnings at this time.";
const wildfireAlert = data.wildfire || "No wildfire warnings at this time.";

disasterElement.innerHTML = `

<p>${tsunamiAlert}</p>
<p>${earthquakeAlert}</p>
<p>${floodAlert}</p>
<p>${hurricaneAlert}</p>
<p>${landslideAlert}</p>
<p>${wildfireAlert}</p>

`;

}

const longitude = 74.1240;

async function getWeather() {
    try {
        const response = await fetch(
            `https://api.open-
meteo.com/v1/forecast?latitude=${latitude}&longitude=${longitude}&current=temperature_2
m,relative_humidity_2m,wind_speed_10m,weather_code`
        );
        const data = await response.json();
        if (data.current) {
            const weather = {
                temp: Math.round(data.current.temperature_2m),
```

```
        description: getWeatherDescription(data.current.weather_code),
        humidity: data.current.relative_humidity_2m,
        wind: data.current.wind_speed_10m
    );
    weatherElement.innerHTML = `
        <div class="weather-info">
            <div>
                <p>Temperature: ${weather.temp} °C</p>
                <p>Condition: ${weather.description}</p>
                <p>Humidity: ${weather.humidity}%</p>
                <p>Wind: ${weather.wind} km/h</p>
            </div>
        </div>
    `;
} else {
    weatherElement.innerHTML = `<p>Unable to fetch weather data</p>`;
}
} catch (error) {
    weatherElement.innerHTML = `<p>Error loading weather data</p>`;
    console.error('Error fetching weather:', error);
}
}

function getWeatherDescription(code) {
    const weatherCodes = {
        0: 'Clear sky',
        1: 'Mainly clear',
        2: 'Partly cloudy',
        3: 'Overcast',
        45: 'Fog',
        48: 'Depositing rime fog',
        51: 'Light drizzle',
        53: 'Moderate drizzle',
        55: 'Dense drizzle',
    }
    return weatherCodes[code];
}
```

```
56: 'Light freezing drizzle',
57: 'Dense freezing drizzle',
61: 'Slight rain',
63: 'Moderate rain',
65: 'Heavy rain',
66: 'Light freezing rain',
67: 'Heavy freezing rain',
71: 'Slight snow fall',
73: 'Moderate snow fall',
75: 'Heavy snow fall',
77: 'Snow grains',
80: 'Slight rain showers',
81: 'Moderate rain showers',
82: 'Violent rain showers',
85: 'Slight snow showers',
86: 'Heavy snow showers',
95: 'Thunderstorm',
96: 'Thunderstorm with slight hail',
99: 'Thunderstorm with heavy hail'

};

return weatherCodes[code] || 'Unknown weather condition';

}

getWeather();

getDisasterAlerts();

</script>

</body>
</html>
```

## 4.2) Test Cases

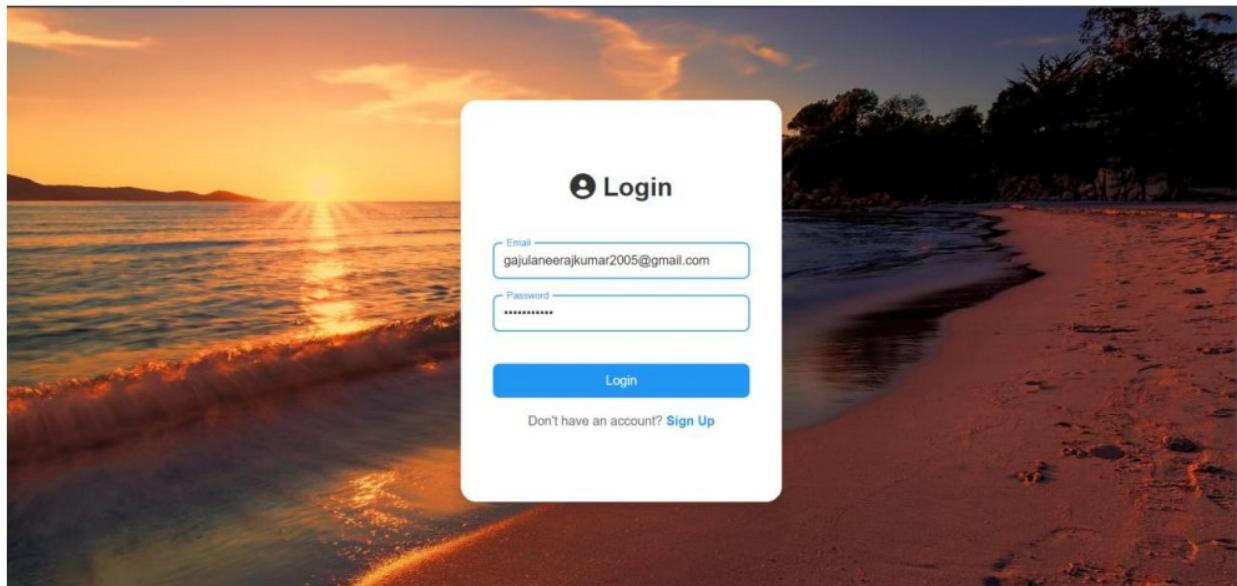
Test Case ID	Test Scenario	Expected Result	Status
TC-01	Beach information should be displayed correctly	The system should retrieve and show accurate beach details	<input checked="" type="checkbox"/> Pass
TC-02	Users should be able to check weather updates	Real-time weather data should be displayed for selected beaches	<input checked="" type="checkbox"/> Pass
TC-03	Disaster history should be accessible	Users should see a list of past disasters for each beach	<input checked="" type="checkbox"/> Pass
TC-04	Activities should be displayed properly	Each beach should list available recreational activities	<input checked="" type="checkbox"/> Pass
TC-05	Users should be able to add beaches to their favorites	The selected beach should be added to the user's saved list	<input checked="" type="checkbox"/> Pass
TC-06	Search functionality should work correctly	Users should be able to search and find beaches easily	<input checked="" type="checkbox"/> Pass
TC-07	The system should handle invalid inputs gracefully	Error messages should appear when users enter invalid data	<input checked="" type="checkbox"/> Pass

## **5. Results**

- **Home Screen:** Displays featured beaches and quick links.
- **Beach Information Page:** Provides details on selected beaches, activities, and history.
- **Weather Forecast Display:** Shows real-time and predicted weather conditions.
- **Disaster History Page:** Lists previous natural disasters affecting the beach and safety recommendations.

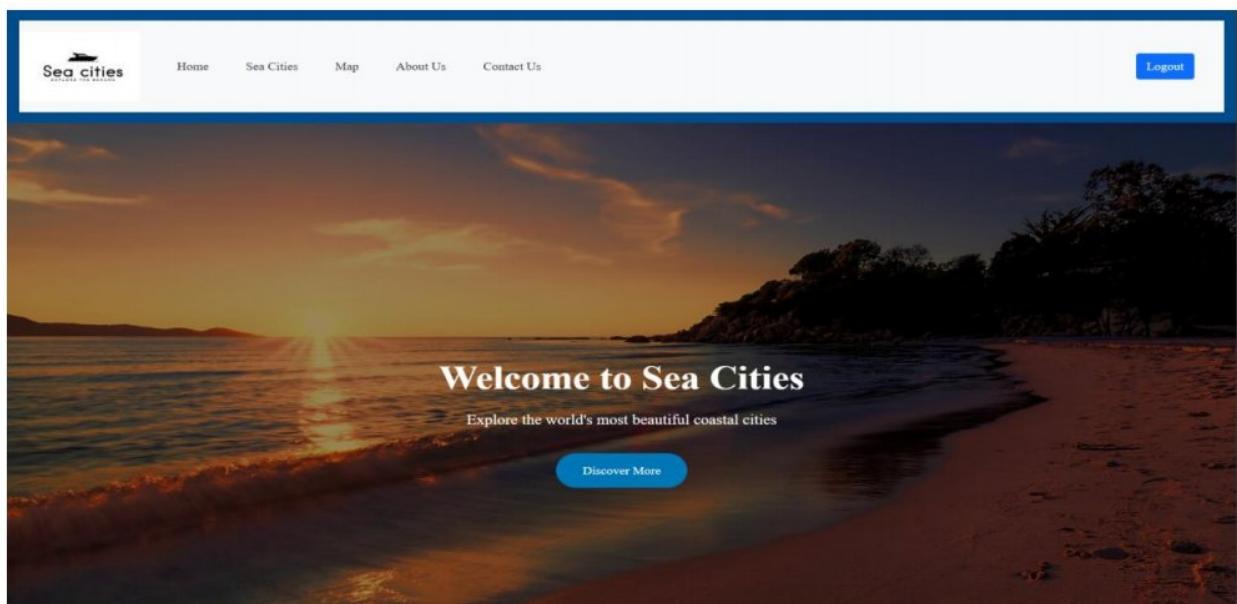
### **5.1 Output Screen(s):**

Login page:



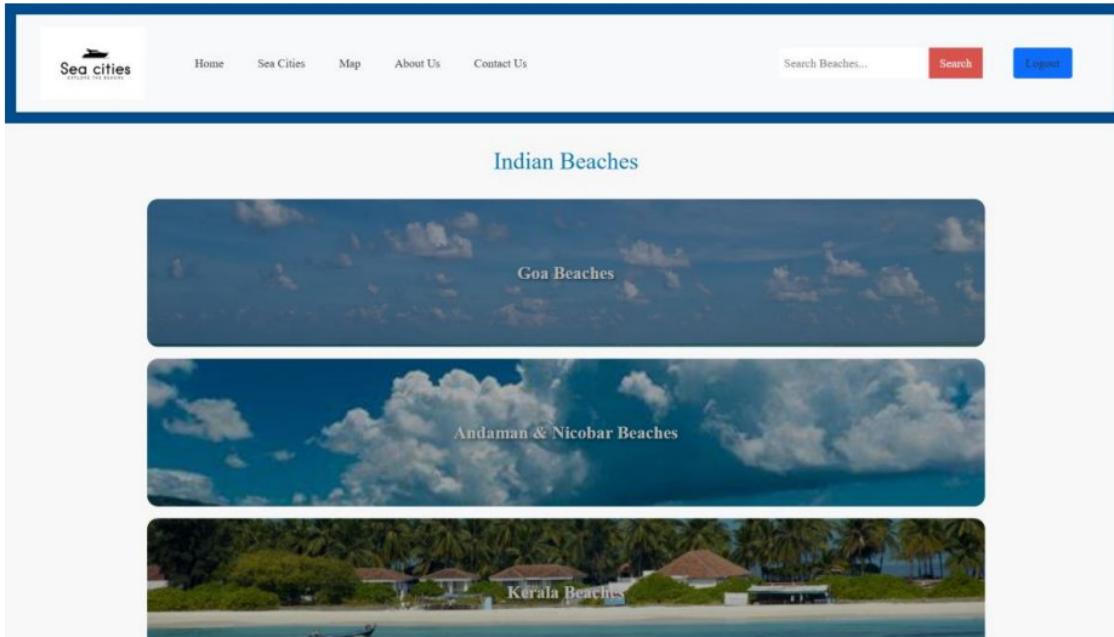
**Fig 5.1.1**

Home page:



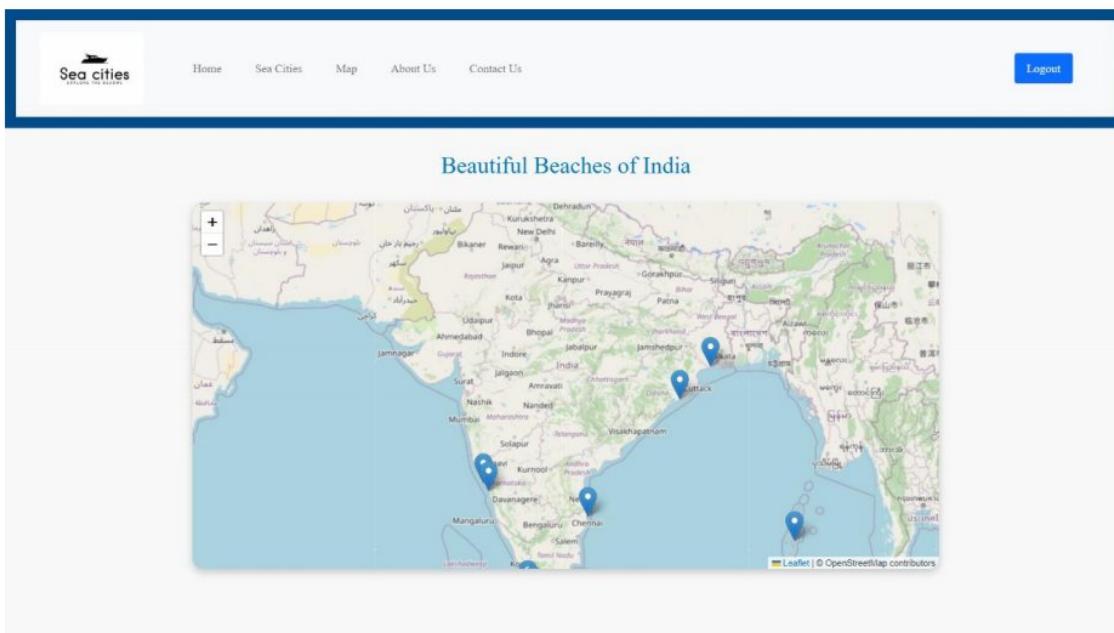
**Fig 5.1.2**

## Sea Cities Page:



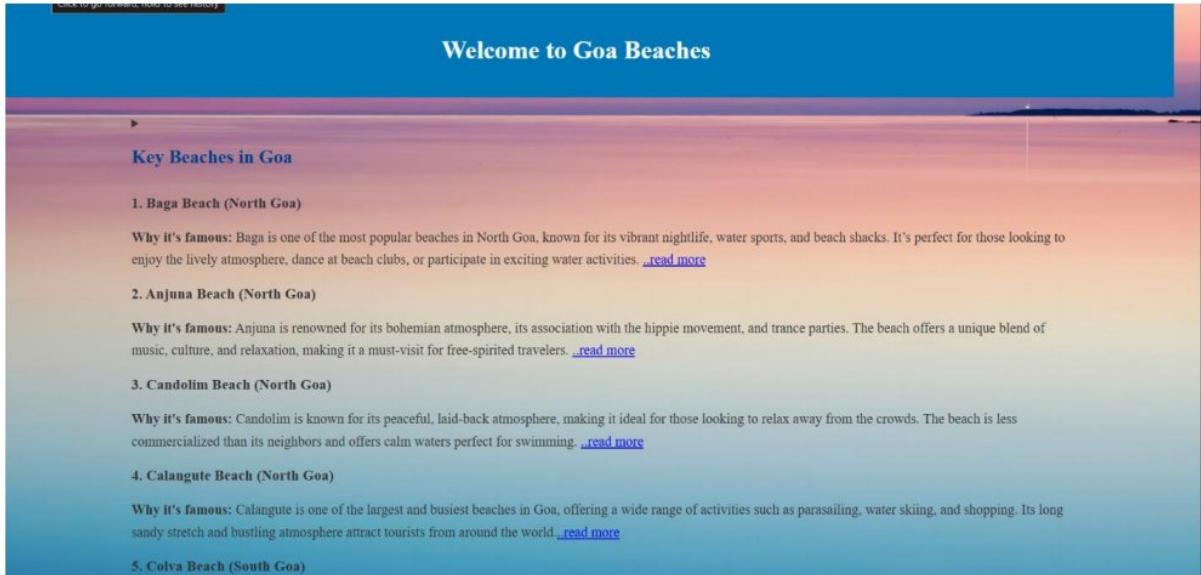
**Fig 5.1.3**

## Map page:



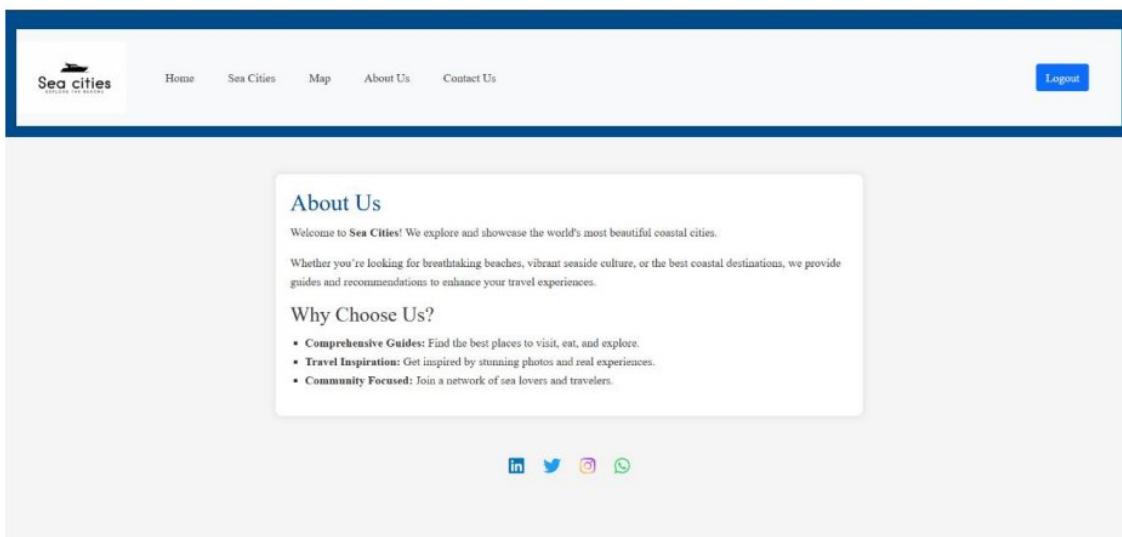
**Fig 5.1.4**

## Beaches page:



**Fig 5.1.5**

## About us page:



**Fig 5.1.6**

## Contact us page:

The screenshot shows a contact form titled "Contact Us". At the top, there is a header bar with the "Sea cities" logo, navigation links for "Home", "Sea Cities", "Map", and "About Us", and a message to exit full screen by pressing Esc. On the right side of the header is a "Logout" button. Below the header, the main content area has a light gray background. The "Contact Us" title is centered at the top of this area. Below it is a sub-header with the text "Have any questions? Feel free to reach out!". Underneath this, there is a light blue horizontal bar containing three items: "Address: Andhra Pradesh state ,Palnadu district,Vidlamodi,Vigyan University", "Email: 231fa04938@gmail.com", and "Phone: +91 7780246322". The main form fields are labeled "Name:", "Email:", and "Message:". Each label is followed by a text input field. At the bottom of the form is a dark blue button labeled "Send Message".

**Fig 5.1.7**

## **6. Conclusion**

*Sea Cities* stands at the intersection of technology, tourism, and sustainability—revolutionizing how people explore and experience beaches around the world. By offering real-time updates, safety alerts, and tailored activity recommendations, it not only enhances convenience but also prioritizes the well-being of travelers. Its intelligent search system, rich beach database, and engaging community features provide an all-in-one solution that caters to both casual visitors and avid explorers.

Beyond tourism, *Sea Cities* plays a vital role in promoting environmental awareness and responsible travel. By highlighting eco-friendly practices and supporting local cultures, the platform contributes to the preservation and appreciation of coastal ecosystems. As the demand for smart, safe, and sustainable travel continues to grow, *Sea Cities* is positioned to become an essential tool for global beach tourism.

In essence, *Sea Cities* is more than just an app—it's a digital gateway to the world's most beautiful shorelines, designed to inspire exploration, ensure safety, and support communities. With continuous innovation and user-centric design, it aims to transform beach tourism for the modern era.



## **7. References**

### 1. Coastal Tourism and Economic Impact Studies

<https://www.cambridge.org/core/journals/cambridge-prisms-coastal-futures/article/impacts-of-tourism-on-coastal>

Climate Change and Its Effects on Coastal Regions

[https://www.epa.gov/climateimpacts/climate-change-impacts-coasts?utm\\_source](https://www.epa.gov/climateimpacts/climate-change-impacts-coasts?utm_source)

### 2. Disaster Management Reports on Coastal Areas

[https://www.cag.org.in/sites/default/files/database/Disaster%20Management%20in%20Coastal%20Areas\\_Report\\_June%202020\\_Aakanksha%20Tiwari.pdf?utm\\_source](https://www.cag.org.in/sites/default/files/database/Disaster%20Management%20in%20Coastal%20Areas_Report_June%202020_Aakanksha%20Tiwari.pdf?utm_source)

### 3. Weather Forecasting and Meteorology Research

[https://www.mmm.ucar.edu/models/wrf?utm\\_source](https://www.mmm.ucar.edu/models/wrf?utm_source)

### 4. Government Reports on Beach Safety and Regulations

[https://www.epa.gov/beaches?utm\\_source](https://www.epa.gov/beaches?utm_source)

## **Project Link:**

<https://neeraj9876543.github.io/Seacities/>