NOISE POLLUTION MONITORING

1.Index.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta charset="utf-8" />

    <title>Location Mapping</title>

    <style>

      /\* Set the map's dimensions \*/

      #map {

        height: 400px;

        width: 100%;

      }

    </style>

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

    <title>Noise Pollution Monitoring</title>

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

    <link rel="stylesheet" href="style.css">

    <title>Time-Based Data Analysis</title>

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

    <link rel="stylesheet" href="style.css">

    <title>Filter and Search Example</title>

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

    <link rel="stylesheet" href="style.css">

    <title>Data Source Information</title>

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

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

    <link rel="stylesheet" href="style.css">

    <title>Report Generation</title>

    <title>Contact Us</title>

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

    <link rel="stylesheet" href="style.css">

    <title>Terms of Service</title>

</head>

<body>

    <h1 class="lo">Location Mapping</h1>

    <div class="world">

    <img src="map.jpg" alt="">

    <script src="script.js"></script>

    <script src="https://maps.googleapis.com/maps/api/js?key=YOUR\_API\_KEY&callback=initMap" async defer></script>

    </div>

    <header>

        <h1>Noise Pollution Monitoring</h1>

    </header>

    <main>

        <div class="sensor-data">

            <h2>Noise Level</h2>

            <p id="noise-level">

                <input type="text" id="count" value="Loading">

            </p>

        </div>

        <div class="sensor-data">

            <h2>Location</h2>

            <p id="location">

                <input type="button" onclick="change()" value="India">

            </p>

        </div>

    </main>

    <script src="/socket.io/socket.io.js"></script>

    <script src="script.js"></script>

    <header>

        <h1>Time-Based Data Analysis</h1>

    </header>

        <h2 id="h1">Hourly Noise Levels</h2>

            <h2>Analysis Details</h2>

            <div class="one">

            <p >Select a time range and click "Analyze" to view specific data for that time period.</p>

            </div>

            <label for="start-time"id="s1">Start Time:</label>

            <input type="time" id="start-time">

            <label for="end-time" id="e1">End Time:</label>

            <input type="time" id="end-time">

            <button id="analyze-button">Analyze</button>

            <div id="analysis-result">

                <!-- Analysis results will be displayed here -->

            </div>

    <script src="script.js"></script>

    <header id="head">

        <h1 id="noise">Noise Pollution database</h1>

    </header>

    <div class="space">

        <form >

            <label class="z">Noise Level (dB):</label>

            <input type="number" id="noise-level" name="noise-level" step="0.01" required>

            <br><br>

            <label id="a3">Location:</label>

            <input type="text" id="location" name="location" required><br>

            <input type="submit" value="Log Data">

        </form>

    </div>

    <script src="script.js"></script>

        <header>

            <h1>Filter and Search Example</h1>

        </header>

       <h2>Search</h2>

            <input type="text" id="search-input" onkeyup="search\_state()" placeholder="Search items">

            <ul id="list">

                <li class="state">Item 1 - north india</li>

                <li class="state">Item 2 - south india</li>

                <li class="state">Item 3 - port blair</li>

                <li class="state">Item 4 - kolkata</li>

                <li class="state">Item 5 - chennai</li>

            </ul>

        <header>

            <h1>Data Source Information</h1>

        </header>

        <main>

            <section class="source-info">

                <h2>Data Sources</h2>

                <p>The data presented on this page is sourced from the following sources:</p>

                <ul>

                    <li>Source 1: Description of source 1.</li>

                    <li>Source 2: Description of source 2.</li>

                    <!-- Include additional sources as needed -->

                </ul>

                <h2>Data Accuracy</h2>

                <p>The accuracy of the data may vary depending on the source. Please refer to the specific data sources for more information about data quality and accuracy.</p>

                <h2>Acknowledgments</h2>

                <p>We would like to acknowledge and thank the data providers and sources that have made this information available to the public.</p>

            </section>

        </main>

    </main>

</body>

</html>

2. Style.css

body {

    font-family: Arial, sans-serif;

    background-color: #f0f0f0;

    margin: 0;

    padding: 0;

    text-align: center;

}

#search-input{

    margin-left: 15%;

    padding:15px;

    border-radius: 10px;

  }

  input[type=text] {

     width: 30%;

     -webkit-transition: width 0.15s ease-in-out;

     transition: width 0.15s ease-in-out;

  }

  /\* When the input field gets focus,

       change its width to 100% \*/

  input[type=text]:focus {

    width: 70%;

  }

 #list{

   font-size:  1.5em;

   margin-left: 90px;

  }

.state{

  display: list-item;

 }

#h1{

    align-items: center;

}

#s1{

    margin-bottom: 20px;

}

#item{

    font-size: 20px;

}

#n1{

    margin-right: 17px;

}

#n2{

    margin-right: 20px;

}

.m1{

    margin-bottom: 30px;

}

.z{

    margin-top: 20px;

    margin-bottom: 20px;

    margin-right: 10px;

    font-size: 20px;

}

label{

    margin-bottom: 20px;

}

#a3{

    margin-right: 80px;

    display: inline-block;

    font-size: 20px;

}

.space{

    margin-top: 30px;

    margin-bottom: 30px;

}

.one{

    margin-bottom: 40px;

    margin-top: 40px;

}

.world{

    margin-bottom: 40px;

    margin-top: 40px;

}

.lo{

    margin-bottom: 10px;

    margin-top: 20px;

}

#head{

margin-top: 20px;

}

header {

    background-color: #333;

    color: white;

    padding: 20px;

}

h1 {

    margin: 0;

}

main {

    display: flex;

    justify-content: center;

    align-items: center;

    height: 60vh;

}

.sensor-data {

    background-color: #fff;

    border: 1px solid #ddd;

    border-radius: 5px;

    margin: 10px;

    padding: 10px;

    text-align: center;

}

h2 {

    font-size: 1.5rem;

}

p {

    font-size: 1.2rem;

    color: #333;

}

3.Script.js

// Initialize Socket.io

const socket = io();

// Function to display a notification

function showNotification(message) {

    const notification = document.createElement('div');

    notification.className = 'notification';

    notification.textContent = message;

    document.body.appendChild(notification);

    setTimeout(() => {

        notification.remove();

    }, 5000);

}

// Listen for notifications from the server

socket.on('notification', (message) => {

    showNotification(message);

});

// Function to filter items based on search input

function filterItems() {

    const searchInput = document.getElementById('search-input').value.toLowerCase();

    const itemList = document.getElementById('item-list');

    const items = itemList.getElementsByTagName('li');

    for (let i = 0; i < items.length; i++) {

        const itemText = items[i].textContent.toLowerCase();

        if (itemText.includes(searchInput)) {

            items[i].style.display = 'block';

        } else {

            items[i].style.display = 'none';

        }

    }

}

// Attach an event listener to the search input

document.getElementById('search-input').addEventListener('input', filterItems);

function search\_animal() {

    let input = document.getElementById('search-input').value

    input=input.toLowerCase();

    let x = document.getElementsByClassName('state');

    for (i = 0; i < x.length; i++) {

        if (!x[i].innerHTML.toLowerCase().includes(input)) {

            x[i].style.display="none";

        }

        else {

            x[i].style.display="list-item";

        }

    }

}

function change(value){

    document.getElementById("count").value= 231/4;

        }

Output





