**Mini Project II**

**PROBLEM STATEMENT:**

Create a weather application using JavaScript

.

**HTML code :**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Weather App</title>

    <link rel="stylesheet" href="./weather.css">

</head>

<body>

    <main>

        <div class="row">

            <h1>Weather App</h1>

            <div class="search-section">

                <input type="text" id="location-input" placeholder="Enter country/state" />

                <button id="search-btn">Search</button>

            </div>

            <div id="weather-output"></div>

        </div>

    </main>

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

</body>

</html>

**CSS code :**

body {

    font-family: Arial, sans-serif;

    color: #ffffff;

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

    margin: 0;

    background-image: url('./weather.jpeg');

    background-size: cover;

    background-position: center;

    background-repeat: no-repeat;

}

main {

    background-color: rgba(0, 0, 0, 0.5);

    padding: 20px;

    border-radius: 10px;

    max-width: 600px;

    margin: auto;

}

.weather-app {

    background-color: white;

    padding: 20px;

    border-radius: 8px;

    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

    width: 300px;

    text-align: center;

}

.search-section {

    display: flex;

    justify-content: center;

    margin-bottom: 20px;

}

#location-input {

    padding: 10px;

    width: 200px;

    border: 1px solid #ccc;

    border-radius: 4px;

}

#search-btn {

    padding: 10px 15px;

    background-color: #007bff;

    color: white;

    border: none;

    border-radius: 4px;

    cursor: pointer;

    margin-left: 10px;

}

#weather-output {

    margin-top: 20px;

}

**JAVASCRIPT code :**

const locations = ['New York', 'Los Angeles', 'Chicago', 'Houston', 'Phoenix'];

function getWeather(city) {

    const apiKey = 'b07597f1e84dd32a4423bf49474c9596';

    const apiUrl = `https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${apiKey}&units=metric`;

    fetch(apiUrl)

        .then(response => response.json())

        .then(data => displayWeather(data))

        .catch(error => console.error('Error fetching weather data:', error));

}

function displayWeather(data) {

    const weatherOutput = document.getElementById('weather-output');

    if (data.cod === 200) {

        const { name, main, weather } = data;

        weatherOutput.innerHTML = `

            <h2>${name}</h2>

            <p>Temperature: ${main.temp}°C</p>

            <p>Condition: ${weather[0].description}</p>

        `;

    } else {

        weatherOutput.innerHTML = `<p>Location not found. Please try again.</p>`;

    }

}

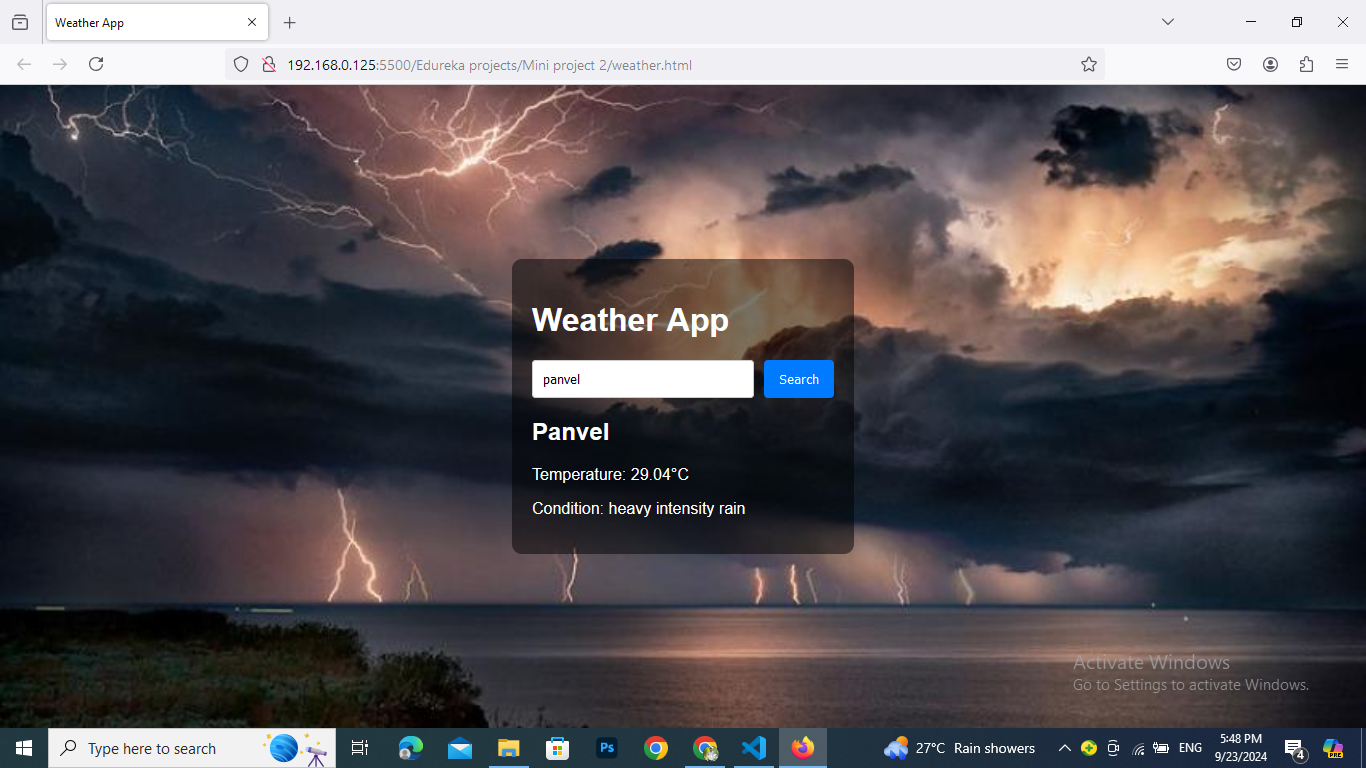
document.getElementById('search-btn').addEventListener('click', () => {

    const locationInput = document.getElementById('location-input').value;

    getWeather(locationInput);

});

**Output :**

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