const API\_KEY = 'f8bda17891d7e015fd43196da0c3e067';

async function getWeather() {

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

if (!city) {

alert('Please enter a city name!');

return;

}

const weatherContainer = document.getElementById('weather-container');

const tempDiv = document.getElementById('temp-div');

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

const hourlyForecast = document.getElementById('hourly-forecast');

const weatherIcon = document.getElementById('weather-icon');

tempDiv.textContent = '';

weatherInfo.textContent = '';

hourlyForecast.textContent = '';

weatherIcon.src = '';

try {

const weatherResponse = await fetch(

`https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${API\_KEY}&units=metric`

);

const weatherData = await weatherResponse.json();

if (weatherData.cod !== 200) {

alert('City not found!');

return;

}

const temp = weatherData.main.temp;

const description = weatherData.weather[0].description;

const iconCode = weatherData.weather[0].icon;

// Update current weather

tempDiv.textContent = `Temperature: ${temp}°C`;

weatherInfo.textContent = `Description: ${description}`;

weatherIcon.src = `https://openweathermap.org/img/wn/${iconCode}@2x.png`;

const forecastResponse = await fetch(

`https://api.openweathermap.org/data/2.5/forecast?q=${city}&appid=${API\_KEY}&units=metric`

);

const forecastData = await forecastResponse.json();

hourlyForecast.innerHTML = '<h3>Hourly Forecast</h3>';

forecastData.list.slice(0, 8).forEach((forecast) => {

const time = new Date(forecast.dt \* 1000).toLocaleTimeString([], {

hour: '2-digit',

minute: '2-digit',

});

const temp = forecast.main.temp;

const icon = forecast.weather[0].icon;

const description = forecast.weather[0].description;

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

forecastDiv.className = 'forecast-item';

forecastDiv.innerHTML = `

<p>${time}</p>

<img src="https://openweathermap.org/img/wn/${icon}@2x.png" alt="${description}">

<p>${temp}°C</p>

<p>${description}</p>

`;

hourlyForecast.appendChild(forecastDiv);

});

} catch (error) {

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

alert('Failed to fetch weather data. Please try again later.');

}

}