**Weather.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css">

<meta http-equiv="X-UA-Compatible" content="IE=edge" />

<link rel="icon" type="image/x-icon"

href="https://cdn2.iconfinder.com/data/icons/weather-flat-14/64/weather02-512.png">

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

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

<title>weather App</title>

</head>

<body>

<div class="container">

<div class="search wrapper" id="search">

<div class="new">

<img src="https://cdn2.iconfinder.com/data/icons/weather-flat-14/64/weather02-512.png" id="img1" alt="Image1" height="100px">

<h1>Get the Weather</h1>

</div>

<div class="input-container">

<input type="text" placeholder="Enter City Name and Hit Enter" spellcheck="false" /><br>

<button class="btn btn-outline-light" style="margin: 10px;">Locate Live Location</button>

</div>

<div class="error-container">

<p class="error-text" id="error"></p>

</div><br>

<h4 style="color:white;">Designed and Developed by Kavi Prakash M</h4>

</div>

<div class="place wrapper">

<div class="time-zone" id="time-zone">Asia/Koltaka</div>

<div class="country" id="country">in</div>

</div>

<div class="current wrapper">

<div class="date-container">

<div class="time" id="time">

<span id="hours">12</span>:<span id="minutes">20</span>

</div>

<div class="date" id="date">

<span id="day">monday</span>,<span id="date-today">15</span>

<span id="month">aug</span>

</div>

<div class="others" id="current-weather">

<div class="weather-condition-container">

<div class="weather-condition-wrapper">

<div class="weather-condition">

<div class="icon"></div>

<div class="condition">temp <span></span>&#8451;</div>

</div>

<span class="description">cloudy</span>

</div>

</div>

<div class="other-details">

<div class="grid-left">

<div class="spaced-content weather-deatils">

<div class="box"><div>min\_temp</div>-

<div id="min-temp">30 &#8451;<span></span></div>

</div></div>

<div class="spaced-content weather-deatils">

<div class="box">

<div>windspeed</div>-

<div id="wind-speed">20 <span>Km/h</span></div>

</div></div>

</div>

<div class="grid-right">

<div class="spaced-content weather-deatils">

<div class="box">

<div>max\_temp</div>-

<div id="max-temp">6.30 <span></span></div>

</div></div>

<div class="spaced-content weather-deatils">

<div class="box">

<div>humidity</div>-

<div id="humidity">50<span>%</span></div>

</div></div>

</div>

</div>

</div>

<div class="future-forecast">

<div class="today" id="current-temp">

<img src="http://openweathermap.org/img/wn/10d@2x.png" alt="weather-icon" class="w-icon">

<div class="other">

<div class="day">Monday</div>

<div class="temp">Night - 25.6 &#176;</div>

<div class="temp1">Day - 25.6 &#176;</div>

</div>

</div>

<div class="weather-forecast" id="weather-forecast">

<div class="weather-forecast-item">

<div class="day">Tuesday</div>

<img src="http://openweathermap.org/img/wn/11d@2x.png" alt="weather-icon" class="w-icon">

Night -<div class="temp"> 25.6 &#176;</div>

Day -<div class="temp1"> 25.6 &#176;</div>

</div>

<div class="weather-forecast-item">

<div class="day">Wednesday</div>

<img src="http://openweathermap.org/img/wn/10d@2x.png" alt="weather-icon" class="w-icon">

Night -<div class="temp"> 23.2 &#176;</div>

Day -<div class="temp1"> 22.3 &#176;</div>

</div>

<div class="weather-forecast-item">

<div class="day">Thursday</div>

<img src="http://openweathermap.org/img/wn/13d@2x.png" alt="weather-icon" class="w-icon">

Night -<div class="temp"> 26.5 &#176;</div>

Day -<div class="temp1"> 23.5 &#176;</div>

</div>

<div class="weather-forecast-item">

<div class="day">Friday</div>

<img src="http://openweathermap.org/img/wn/09d@2x.png" alt="weather-icon" class="w-icon">

Night -<div class="temp"> 26.7 &#176;</div>

Day -<div class="temp1"> 25.4 &#176;</div>

</div>

<div class="weather-forecast-item">

<div class="day">Saturday</div>

<img src="http://openweathermap.org/img/wn/50d@2x.png" alt="weather-icon" class="w-icon">

Night -<div class="temp"> 27.5 &#176;</div>

Day -<div class="temp1"> 26.4 &#176;</div>

</div>

<div class="weather-forecast-item">

<div class="day">Sunday</div>

<img src="http://openweathermap.org/img/wn/01d@2x.png" alt="weather-icon" class="w-icon">

Night -<div class="temp"> 27.6 &#176;</div>

Day -<div class="temp1"> 25.7 &#176;</div>

</div>

</div>

</div>

</div>

</div>

</div>

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

</body>

</html>

**Style.css**

@import url('https://fonts.googleapis.com/css2?family=Poppins:wght@100;200;400;700&display=swap');

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

background: linear-gradient(75deg,black, purple);

font-family: 'Poppins', sans-serif;

min-height: 100vh;

}

.container {

display: flex;

flex-direction: column;

padding: 30px;

align-items: center;

}

.container h1 {

color: white;

letter-spacing: 8px;

}

.container.active .search {

display: none;

}

.search .input-container input {

width: 100%;

border: none;

font-size: 1rem;

border-radius: 10px;

}

.search .error-container .error-text {

font-size: .8rem;

font-weight: 400;

letter-spacing: .2rem;

text-transform: capitalize;

}

.error-text.error {

color: white;

background: rgba(255, 0, 0, 0.6);

padding: 10px 25px;

border-radius: 8px;

}

.error-text.wait {

color: white;

padding: 10px 25px;

background: rgba(42, 43, 42, 0.418);

border-radius: 8px;

}

.container .current {

justify-content: space-between;

}

.date-container .time {

font-size: 3rem;

font-weight: 100;

}

.date-container .time #am-pm {

font-size: 2.5rem;

text-transform: uppercase;

}

.date-container .date {

font-size: 1.7rem;

}

.place {

text-align: center;

display: none;

flex-direction: column;

color: white;

}

.container.active .place {

display: flex;

}

.place .time-zone {

font-size: 2rem;

font-weight: 100;

}

.place .country {

font-size: 1rem;

font-weight: 700;

}

.current {

display: none;

color: white;

}

.container.active .current {

display: flex;

}

.current .others {

font-size: 1rem;

font-weight: 200;

text-transform: capitalize;

background-color: rgba(42, 43, 42, 0.418);

border-radius: 10px;

}

.current .others .weather-condition-container {

display: flex;

align-items: center;

justify-content: center;

padding: 20px;

font-size: 1.5rem;

margin: 15px;

}

.current .others .other-details {

display: flex;

flex-direction: column;

padding: 20px;

}

.others .other-details .grid-left,

.grid-right {

display: flex;

flex-direction: column;

margin: 10px;

}

.others .other-details .grid-left .spaced-content {

display: flex;

justify-content: space-between;

}

.others .other-details .grid-right .spaced-content {

display: flex;

justify-content: space-between;

}

.other-details .grid-left .spaced-content div {

font-size: 1rem;

}

.other-details .grid-right .spaced-content div {

font-size: 1rem;

}

@media only screen and (min-width: 769px) {

h1 {

font-size: 3rem;

}

.container .search {

margin-top: 15%;

padding: 15px 15px;

width: 100%;

align-items: center;

justify-content: center;

}

.search .input-container {

font-size: 1.2rem;

padding: 10px 0px;

}

.search .input-container input {

width: 70%;

padding: 20px 15px;

}

.search .error-container .error-text {

font-size: .9rem;

}

.place {

display: none;

}

.current {

display: none;

}

.container.active .current {

display: flex;

}

.current .others {

display: flex;

flex-direction: row;

}

.current .others .weather-condition-container {

display: flex;

align-items: center;

justify-content: center;

padding: 30px;

font-size: 2rem;

margin: 15px;

}

.current .others .other-details {

display: flex;

flex-direction: row;

padding: 20px;

margin-left: 40px;

}

.others .other-details .grid-left,

.grid-right {

display: flex;

flex-direction: column;

justify-content: space-between;

}

.others .other-details .grid-left .spaced-content {

display: flex;

justify-content: space-around;

}

.others .other-details .grid-right .spaced-content {

display: flex;

justify-content: space-between;

}

.other-details .grid-left .spaced-content div {

margin: 0 50px;

font-size: 1.2rem;

}

.other-details .grid-right .spaced-content div {

margin: 0 50px;

font-size: 1.2rem;

}

}

.future-forecast {

margin-top: 20px;

background-color: rgba(42, 43, 42, 0.418);

border-radius: 10px;

padding: 25px;

display: flex;

color: white;

width: 100%;

align-items: center;

justify-content: center;

}

.future-forecast .today {

display: flex;

align-items: center;

text-align: center;

}

.future-forecast .today .day {

padding: 5px 15px;

background-color: #3c3c44;

text-align: center;

border-radius: 50px;

}

.future-forecast .today .temp {

font-size: 18px;

padding-top: 15px;

}

.future-forecast .weather-forecast {

display: flex;

}

.weather-forecast .weather-forecast-item {

display: flex;

flex-direction: column;

align-items: center;

justify-content: center;

margin: 0px 10px;

border: 1px solid #eee;

border-radius: 10px;

padding: 15px;

}

.weather-forecast .weather-forecast-item .day {

padding: 5px 15px;

background: #3c3c44;

border-radius: 50px;

text-align: center;

}

.weather-forecast .weather-forecast-item .temp {

font-weight: 100;

}

@media only screen and (max-width:730px) {

.future-forecast {

justify-content: start;

align-items: none;

overflow-y: scroll;

}

}

.box

{

background: rgba( 255, 255, 255, 0.35 );

box-shadow: 0 8px 32px 0 rgba( 31, 38, 135, 0.37 );

backdrop-filter: blur( 13px );

-webkit-backdrop-filter: blur( 13px );

border-radius: 10px;

border: 1px solid rgba( 255, 255, 255, 0.18 );

display: flex;

padding: 20px 0px;

color: white;

align-items: center;

justify-content: center;

}

**Script.js**

const API = "5f8bd5df4a8f994029aefd3fa0b2efe6",

currentWeatherItemsEl = document.getElementById("current-weather"),

timeZoneEL = document.getElementById("time-zone"),

countryEL = document.getElementById("country"),

weeklyForcastEl = document.getElementById("weekly-forcast"),

currentTempEl = document.getElementById("current-temp"),

inputField = document.querySelector("input"),

loactionBtn = document.querySelector("button"),

textError = document.querySelector(".error-text"),

errContainer = document.querySelector(".error-container"),

container = document.querySelector(".container"),

weatherIcon = document.querySelector(".icon"),

days = ["Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday",],

months = ["January", "February", "March", "April", "May", "June", "July", "August", "September", "October", "November", "December",];

let api;

inputField.addEventListener("keyup", (e) => {

if (e.key == "Enter" && inputField.value != "") {

requestApi(inputField.value);

}

});

function requestApi(city) {

console.log(city);

api = `https://api.openweathermap.org/data/2.5/weather?q=${city}&units=metric&cnt=7&appid=${API}`;

fetchData();

}

loactionBtn.addEventListener("click", () => {

if (navigator.geolocation) {

navigator.geolocation.getCurrentPosition(onSuccess, onError);

} else {

alert("Your browser does not support geoloaction api");

}

});

function onSuccess(position) {

const { latitude, longitude } = position.coords;

api = `https://api.openweathermap.org/data/2.5/weather?lat=${latitude}&lon=${longitude}&exclude=hourly,daily&units=metric&appid=${API}`;

fetchData();

}

function onError(error) {

textError.innerText = error.message;

textError.classList.add("error");

}

function fetchData() {

textError.innerText = "Getting weather info. Please wait...";

textError.classList.add("wait");

fetch(api)

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

.then((result) => weatherDetails(result));

}

function weatherDetails(info) {

textError.classList.replace("wait", "error");

if (info.cod == "404") {

textError.innerText = `"${inputField.value}" isn't a valid city name`;

} else {

const city = info.name,

timezone = info.timezone,

{ country } = info.sys,

{ description, icon } = info.weather[0],

{ humidity, temp, temp\_max, temp\_min } = info.main, speed = info.wind;

console.log(city)

container.querySelector(".place .time-zone").innerText = city;

container.querySelector(".place .country").innerText = country;

container.querySelector("#min-temp").innerText = temp\_min;

container.querySelector("#max\_temp"), (innerText = temp\_max);

container.querySelector("#humidity"), (innerText = humidity);

container.querySelector("#wind-speed"), (innerText = speed);

container.querySelector(".weather-condition-container .description").innerText = description;

container.querySelector(".weather-condition-container .condition span").innerText = temp;

container.querySelector(".weather-forecast .weather-forecast-item .temp").innerText = temp;

container.querySelector(".weather-forecast-item .temp1").innerText = temp\_min;

let iconImg = document.createElement("img");

iconImg.src = `http://openweathermap.org/img/wn/${icon}@2x.png`;

iconImg.alt = "weather-icon";

weatherIcon.appendChild(iconImg);

textError.classList.remove("wait", "error");

container.classList.add("active");

console.log(info);

console.log(timezone);

function dispalyTime() {

let utcHours = timezone / 360 / 10;

const d = new Date();

const localTime = d.getTime();

const localOffset = d.getTimezoneOffset() \* 60000;

const utc = localTime + localOffset;

const getTime = utc + 3600000 \* utcHours;

const getTimeNow = new Date(getTime);

const hrs = getTimeNow.getHours();

const min = getTimeNow.getMinutes();

const month = getTimeNow.getMonth();

const date = getTimeNow.getDate();

const day = getTimeNow.getDay();

document.getElementById("day").innerHTML = days[day];

document.getElementById("month").innerHTML = months[month];

document.getElementById("date-today").innerHTML = date;

if (min < 10) {

document.getElementById("minutes").innerHTML = "0" + min;

} else {

document.getElementById("minutes").innerHTML = min;

}

if (hrs < 10) {

document.getElementById("hours").innerHTML = "0" + hrs;

} else {

document.getElementById("hours").innerHTML = hrs;

}

}

setInterval(dispalyTime, 100);

}

}