GITHUB LINK ATTACHMENT

https://github.com/Hema2802/weather_forecast_pro

HTML CODE

```
<!DOCTYPE html>
<html lang="en" class="scroll-smooth">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-</pre>
scale=1.0">
  <title>Weather_forcast_project</title>
  <!-- linking css file -->
  <link rel="stylesheet" href="output.css">
  <!-- linking icon sheet -->
  <link href="https://cdnjs.cloudflare.com/ajax/libs/font-</pre>
awesome/6.5.0/css/all.min.css" rel="stylesheet">
</head>
<body>
  <!-- first div container -->
  <div class="h-screen w-screen bg-sky-900 grid grid-cols-</pre>
[18rem,1fr] gap-6 font-body">
```

<div class="bg-sky-800 h-full flex justify-center items-center
flex-col gap-5">

<!-- logo fixing -->

<img class="rounded animate-zoom" style="width: 230px;
height: 230px;" src="weather_app.png" alt="weather image"
title="weather_condition">

<!-- navbar items -->

<div class="flex flex-col gap-5 justify-center items-center
text-sky-900 text-xl font-bold">

<a class="hover:text-red-600 bg-sky-100 p-1 px-3 rounded2xl transform transition-transform duration-300 hover:translate-x-5"
href="#dash"> <i class="fa-solid fa-cloud" style="color:
#14346a;"> </i> DashBoard <!--navbar item1-->

<a class="hover:text-red-600 bg-sky-100 p-1 px-3 rounded2xl transform transition-transform duration-300 hover:translate-x-5"
href="#today"><i class="fa-solid fa-location-crosshairs" style="color:
#14346a;"></i> Today Highlights <!--navbar item2-->

<a class="hover:text-red-600 bg-sky-100 p-1 px-3 rounded2xl transform transition-transform duration-300 hover:translate-x-5"
href="#week"><i class="fa-solid fa-map" style="color:
#14346a;"></i> Week Report <!--navbar item3-->

<a class="hover:text-red-600 bg-sky-100 p-1 px-3 rounded2xl transform transition-transform duration-300 hover:translate-x-5"
href="#calen"><i class="fa-solid fa-calendar-days" style="color:
#14346a;"></i> Calender <!--navbar item4-->

```
</div>
     </div>
     <!-- second coloumn of first container -->
    <div class="bg-sky-900 h-full mr-2 grid grid-cols-2 grid-rows-</pre>
[8rem,1fr]">
       <div class="col-span-3">
         <!-- Header of the project -->
          <h1 id="dash" class="text-center pt-4 text-5xl font-bold
text-sky-100 ">----Meteorological Forecast----</h1>
       </div>
       <div class="-mr-24 bg-sky-800 rounded-lg flex justify-center</pre>
items-center flex-col gap-7">
         <h2 class="font-body text-lg md:text-xl font-semibold text-
sky-100">Enter a City Name</h2>
         <!-- input field and temperature converter -->
          <div>
            <input class="w-full md:w-96 p-3 rounded-lg"</pre>
type="text" id="userLocation" placeholder="Eg.Mumbai">
   
         <select id="converter" class="p-3 w-24 rounded-lg bg-sky-</pre>
500">
            <option>°C</option>
            <option>°F</option>
          </select>
          </div>
```

<select id="recent-cities" class="p-2 text-blue-900 w-full
md:w-1/2 bg-sky-100 rounded-lg">

<option value="">Recent Search </option>
</select>

<button id="search_butt" class="bg-gray-400 p-2 w-full
md:w-96 font-body text-lg text-sky-900 active:bg-green-700 fontbold active:text-sky-50 " onclick="findUserLocation()">Search <i
class="fas fa-search" style="color: #183568;"></i></button>

<button class="bg-gray-400 p-2 w-full md:w-96 font-body
text-base text-sky-900 font-bold active:bg-green-700 active:text-sky50" id="current_button">Use current Location <i class="fa-solid famap-pin" style="color: #32548f;"></i></i></button>

</div>

<div class="flex justify-center items-center flex-col gap-8">
 <img class="w-56 h-56 pl-8" src="compass.gif"
alt="direction_compass" title="compass_gif">

<div>

<h2 class="text-center text-sky-50 pl-3">No matter the weather,
every location has its season of beauty.</h2>

</div>

```
</div>
     </div>
  </div>
 <!-- second div container -Today Highlights -->
 <div class="w-screen h-screen bg-sky-900 font-body" id="today">
  <br>
     <h1 class="font-body text-xl md:text-2xl text-sky-100 font-bold
pl-8">Today's Highlights</h1>
     <div class="h-96 grid grid-cols-4 grid-rows-2 gap-5 mt-10 pl-4</pre>
pr-4">
       <div class="bg-sky-50 h-44 rounded-3xl flex flex-col justify-</pre>
center items-center gap-2">
          <h2 class="font-body text-sky-900 font-bold text-lg"
md:text-xl">Humidity</h2>
            <div>
              <i class="fa-solid fa-water fa-2x1" style="color:</pre>
#1a325b;"></i>
            </div>
          <h1 id="HValue" class="text-sky-50 font-body font-bold
text-xl md:text-2xl text-center bg-sky-800 p-2 rounded-xl px-6
md:px-10"></h1>
       </div><!--humidity div-->
```

```
<div class="bg-sky-50 h-44 rounded-3xl flex flex-col justify-</pre>
center items-center gap-2">
          <h2 class="font-body text-sky-900 font-bold text-lg
md:text-xl">Wind Speed</h2>
          <div>
            <i class="fa-solid fa-wind fa-2xl" style="color:</pre>
#1d3359;"></i>
          </div>
          <h1 id="WValue" class="text-sky-50 font-body font-bold
text-xl md:text-2xl text-center bg-sky-800 p-2 rounded-xl px-6
md:px-10"></h1>
       </div><!--wind speed div-->
       <div class="bg-sky-50 h-44 rounded-3xl flex flex-col justify-</pre>
center items-center gap-4">
           <div class="flex flex-row">
              <i class="fa-solid fa-sun fa-2x1"style="color:</pre>
#1d3359;"></i> <h2 class="font-body text-sky-900 font-bold text-
sm">Sun-rise</h2>
              <h1 id="SRValue" class="text-sky-50 font-body
text-sm text-center bg-sky-800 p-2 rounded-xl px-6"></h1>
               </div>
            <div class="flex flex-row">
              <i class="fa-solid fa-cloud-sun fa-2x1"style="color:</pre>
#1d3359;"></i> <h2 class="font-body text-sky-900 font-bold text-
sm">Sun-set</h2>
```

<h1 id="SSValue" class="text-sky-50 font-body text-sm text-center bg-sky-800 p-2 rounded-xl px-6"></h1>

</div>

</div> <!--Sun rise and sun set-->

<div class="bg-sky-800 row-span-2 rounded-3xl flex flex-col
justify-center items-center gap-2 bg-beach-sea bg-cover bg-center">

<div id="weatherIcon" class="bg-center bg-no-repeat bgcover block bg-sky-900">

<!-- <img

src="https://openweathermap.org/img/wn/10d@2x.png"> -->

</div>

<h2 id="temperature" class="font-extrabold text-4xl md:text-6xl text-red-800"></h2>

<div id="feelsLike" class="text-sky-900 text-lg md:text-xl
font-body"></div>

<div id="description" class="text-sky-900 text-lg md:textxl font-body"></div>

<hr class="text-sky-900">

<div id="date" class="text-sky-900 font-body"></div>

```
<div id="city" class="text-sky-900 font-body font-</pre>
bold"></div>
       </div> <!--Searched location output-->
       <div class="bg-sky-50 h-44 rounded-3xl flex flex-col justify-</pre>
center items-center gap-2">
          <h2 class="font-body text-sky-900 font-bold text-lg
md:text-xl">Clouds</h2>
          <div>
            <i class="fa-solid fa-cloud fa-2x1" style="color:</pre>
#182c4e;"></i>
          </div>
          <h1 id="CValue" class="text-sky-50 font-body font-bold
text-xl md:text-2xl text-center bg-sky-800 p-2 rounded-xl px-6
md:px-10"></h1>
       </div><!--clouds div-->
       <div class="bg-sky-50 h-44 rounded-3xl flex flex-col justify-</pre>
center items-center gap-2">
          <h2 class="font-body text-sky-900 font-bold text-lg"
md:text-x1">UV index</h2>
          <div>
            <i class="fa-solid fa-bacon fa-2x1" style="color:</pre>
#1e3050;"></i>
          </div>
```

```
<h1 id="UVValue" class="text-sky-50 font-body font-bold
text-xl md:text-2xl text-center bg-sky-800 p-2 rounded-xl px-6
md:px-10"></h1>
       </div><!--UV index-->
       <div class="bg-sky-50 h-44 rounded-3xl flex flex-col justify-</pre>
center items-center gap-2">
         <h2 class="font-body text-sky-900 font-bold text-lg
md:text-x1">Pressure</h2>
         <div>
            <i class="fa-solid fa-volcano fa-2x1" style="color:</pre>
#182e54;"></i>
         </div>
         <h1 id="PValue" class="text-sky-50 font-body font-bold
text-xl md:text-2xl text-center bg-sky-800 p-2 rounded-xl px-6
md:px-10"></h1>
       </div><!--Pressure div-->
     </div>
 </div>
 <!-- 3rd container- gif attachment-climate varities -->
 <div class="h-96 w-screen bg-sky-900">
  <div class="flex flex-row gap-10 justify-center items-center">
```

```
<div class="flex justify-center items-center flex-col transform</pre>
hover:scale-110">
       <img style="border-radius:50%; border: 3px solid rgb(67, 67,</pre>
183);" class="w-60 h-60 bg-sky-500" src="sunny.gif" alt="sunny-
weather" title="sunny gif">
       <h1 class="text-2xl font-bold text-sky-100">Sunny</h1>
      </div><!--sunny weather-->
      <div class="flex justify-center items-center flex-col transform</pre>
hover:scale-110">
       <img style="border-radius:50%; border: 3px solid rgb(65, 65,</pre>
181);" class="w-60 h-60" src="rainny.gif" alt="rainy weather"
title="rainy_gif">
       <h1 class="text-2xl font-bold text-sky-100">Rainy</h1>
      </div><!--Rainy weather-->
      <div class="flex justify-center items-center flex-col transform</pre>
hover:scale-110">
       <img style="border-radius:50%; border: 3px solid rgb(72, 72,
160);" class="w-60 h-60" src="cloudy.gif" alt="cloudy weather"
title="cloudy_gif">
       <h1 class="text-2xl font-bold text-sky-100">Cloudy</h1>
      </div><!--Cloudy weather-->
      <div class="flex justify-center items-center flex-col transform</pre>
hover:scale-110">
```

```
<img style="border-radius:50%; border: 3px solid rgb(66, 66,
150);" class="w-60 h-60 bg-sky-600" src="windy.gif"
alt="wind_weather" title="windy_weather">
       <h1 class="text-2xl font-bold text-sky-
100">Windy/Stromy</h1>
      </div><!--windy weather-->
  </div>
 </div>
 <!-- container 4 weekly data -->
  <div class="w-screen h-screen bg-sky-900 font-body text-sky-900"</pre>
id="week">
    <h1 class="text-center text-3xl font-bold text-sky-100">Weekly
Data...</h1><br>
    <div class="grid grid-cols-2 md:grid-cols-4 grid-rows-2 gap-4</pre>
md:gap-5 px-10 md:px-16 h-96 font-bold" id="Forecast">
       <!-- data will come dynamically -->
    </div>
  </div>
  <!-- calender analysis -->
```

```
<div class="bg-sky-900 h-screen w-screen flex justify-center</pre>
flex-col items-center -mt-20" id="calen">
       <h1 class="text-center font-body text-2xl md:text-3xl pt-10"
pb-10 font-bold text-sky-50" id="calen_acc">Calender
Accessbility</h1>
       <div class="flex flex-col md:flex-row justify-center items-</pre>
center gap-4 md:gap-10">
       <div>
          <img class="h-48 md:h-64" src="climate.gif" alt="climate</pre>
image" style="width: 280px; height: 290px; border-radius: 10px;">
        </div>
        <div class="w-full md:w-96 h-80 md:h-96 bg-sky-800 flex</pre>
justify-center transform hover:scale-110">
          <div class="calendar w-full max-w-md mx-auto bg-white"</pre>
shadow-md rounded-lg overflow-hidden">
            <header class="flex items-center justify-between bg-sky-</pre>
300 text-white p-4">
             <h3 class="text-sm md:text-lg font-semibold text-sky-
900">January 2025</h3>
             <nav class="flex gap-2">
               <button id="prev" class="bg-blue-900 hover:bg-blue-
600 px-2 md:px-3 py-1 rounded">←</button>
               <button id="next" class="bg-blue-900 hover:bg-blue-
600 px-2 md:px-3 py-1 rounded">→</button>
             </nav>
            </header>
```

```
<section class="p-4">
   600 font-medium mb-2">
    Sun
    Mon
    Tue
    Wed
    Thu
    Fri
    Sat
   center">
   <!-- Example dates for layout purposes -->
   blue-100">1
   blue-100">2
   blue-100">3
    blue-100">4
    blue-100">5
   blue-100">6
```

```
blue-100">7
          </111>
         </section>
        </div>
       </div>
       <div>
         <img class="rounded-lg h-72 w-72" src="reporter.gif"</pre>
alt="weather_report" title="weather_news">
       </div>
    </div>
 </div>
 <!-- final div -->
  <div class="w-screen h-24 bg-sky-800">
   <footer>
     <i class="fa-solid fa-envelope"</pre>
style="color: #e5ebf5;"></i> themalatha2810@gmail.com
     © 2025
Hemalatha_Thangavel_FSD_Internshala. All rights reserved.
   </footer>
  </div>
```

```
<!-- linking js file -->
<script src="index.js"></script>
</body>
</html>
```

// calling element from html file

JAVA SCRIPT CODE

```
const userLocation=document.getElementById("userLocation");
//input field
// console.log(userLocation);
const converter=document.getElementById("converter");
// console.log(converter);
const weatherIcon=document.getElementById("weatherIcon");
const temperature=document.getElementById("temperature");
const feelsLike = document.getElementById("feelsLike");
const description = document.getElementById("description");
const sea_Level=document.getElementById("sea_level");
const date=document.getElementById("date");
const city=document.getElementById("city");
```

```
const HValue=document.getElementById("HValue");
const WValue=document.getElementById("WValue");
const SRValue=document.getElementById("SRValue");
const SSValue=document.getElementById("SSValue");
const CValue=document.getElementById("CValue");
const UVValue=document.getElementById("UVValue");
const PValue=document.getElementById("PValue");
// introducing weather API get from openWeather.com
// Global variables
WEATHER API ENDPOINT=`https://api.openweathermap.org/data
/2.5/weather?appid=f3468552b34e995e5f4b888bce694975&q=`;
WEATHER DATA ENDPOINT=`https://api.openweathermap.org/d
ata/3.0/onecall?exclude=minutely&units=metric&appid=f3468552b3
4e995e5f4b888bce694975&:
// events to button
function findUserLocation(){
  Forecast.innerHTML="";
  fetch(WEATHER_API_ENDPOINT+ userLocation.value) // to get
user input value
   .then((response)=>{
    if (!response.ok) {
```

```
throw new Error(`Error: ${response.status} -
${response.statusText}`); //error handling in response fetching
    return response.json(); // data is converted into json format
    })
    .then((data)=>{
       if(data.cod!=" && data.cod!=200){
         alert(data.message); // if the entered location is not correct -
shows error alert
         return;
       }
       console.log(data);
       city.innerHTML=data.name + "," + data.sys.country;
weatherIcon.style.background=`url("https://openweathermap.org/img/
wn/${data.weather[0].icon}@2x.png")`;
       weatherIcon.style.width="120px";
       weatherIcon.style.height="120px";
       sea_Level.innerHTML="Sea Level: "+ data.main.sea_level+
" hPa";
    fetch(WEATHER DATA ENDPOINT +
`lon=${data.coord.lon}&lat=${data.coord.lat}`) //latitude and
longtitude value
```

```
.then((response)=>{
            if (!response.ok) {
              throw new Error(`Error: ${response.status} -
${response.statusText}`);
            return response.json();
          })
         .then((data)=>{
            console.log(data);
temperature.innerHTML=temConverter(data.current.temp);
            // temperature.innerHTML=data.current.temp; //
temperature visibility
            feelsLike.innerHTML="Feels like: "+
data.current.feels_like; //feelslike visibility
            description.innerHTML=`<i class="fa-brands fa-
cloudversify fa-2xl" style="color: #354f7e;"></i> &nbsp;`+
data.current.weather[0].description; //weather description visibility
            const options={
              weekday:"long",
              month:"long",
              day:"numeric",
              hour:"numeric",
              minute:"numeric",
              hour12:"true",
```

```
};
           date.innerHTML=getLongFormatDateTime(
             data.current.dt,
             data.timezone_offset,
             options);
           HValue.innerHTML=
           Math.round(data.current.humidity)+`<span>%</span>`;
//humidity value
           WValue.innerHTML=
Math.round(data.current.wind_speed)+`<span>ms</span>`; // wind
speed value
           const options1={
             hour:"numeric",
             minute:"numeric",
             hour12:true
          }
           SRValue.innerHTML=getLongFormatDateTime(
//sunrise value
```

```
data.current.sunrise,
              data.timezone_offset,
              options1);
           SSValue.innerHTML=getLongFormatDateTime(
//sunset value
              data.current.sunset.
              data.timezone offset,
              options1);
CValue.innerHTML=data.current.clouds+`<span>%</span>`;
           UVValue.innerHTML=data.current.uvi;
PValue.innerHTML=data.current.pressure+`<span>hPa</span>`;
           console.log(data.daily); //to forecast the week daily data
           data.daily.forEach((weather)=>{
              let div=document.createElement("div");
              div.className = "bg-sky-50 flex flex-col justify-center
items-center rounded-md text-sky-900 p-4";
              const options={
                weekday:'long',
                month:'long',
```

```
day:"numeric"
                                                                           }
div.innerHTML=getLongFormatDateTime(weather.dt,0,options);
                                                                 div.innerHTML+= `<img
src="https://openweathermap.org/img/wn/${ weather.weather[0].icon}
 @2x.png"
                                                                  class="bg-blue-600 rounded-full"/>`;
                                                                 div.innerHTML+=`<p class="forecast-
desc">${weather.weather[0].description};
                                                                 div.innerHTML+=`<span><span>Min:
$\{\temConverter(\temp.min)\}</\span>&\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\temp.\tem
bsp;   <span>Max:
${temConverter(weather.temp.max)}</span></span>`;
                                                                 Forecast.append(div);
                                                                   });
                                             })
```

```
.catch((error) => {
            console.error('An error occurred:', error.message);
//catch the error when something goes wrong
            alert('Failed to fetch weather data. Please try again
later.');
         });
  });
}
function formatUnixTime(dtValue,offSet,options={}){ // to analyze
the sunset and sun rise
  const date=new Date((dtValue+offSet)*1000);
  return date.toLocaleDateString([],{timeZone:"UTC",...options});
}
function getLongFormatDateTime(dtValue,offSet,options){
  return formatUnixTime(dtValue,offSet,options);
}
function temConverter(temp){ //temperature converter
  let tempValue=Math.round(temp);
  let message="";
  if(converter.value=="°C"){
    message=tempValue+"<span>"+"\xB0C</span>";
```

```
}
           else{
                      let ctof=(temperature*9)/5+32;
                      message=tempValue+"<span>"+"\xB0F</span>";
            }
           return message;
//select dropdown recently given
const userLocationInput =
document.getElementById("userLocation");
const\ recent Cities Drop down = document.get Element By Id ("recent-proposition of the content of the conten
cities");
const searchButton = document.getElementById("search_butt");
// Function to add recent input to dropdown
searchButton.addEventListener("click", () => {
           const cityName = userLocationInput.value.trim();
           if (cityName) {
                     // Check if the city is already in the dropdown
                      let cityExists = false;
```

```
for (const option of recentCitiesDropdown.options) {
       if (option.value === cityName) {
         cityExists = true;
         break;
    // If city is not already in the dropdown, add it
    if (!cityExists) {
       const newOption = document.createElement("option");
       newOption.value = cityName;
       newOption.textContent = cityName;
       recentCitiesDropdown.appendChild(newOption);
     }
    // Clear the input box
    userLocationInput.value = "";
});
// Function to update the input box when a city is selected
recentCitiesDropdown.addEventListener("change", () => {
  const selectedCity = recentCitiesDropdown.value;
```

```
if (selectedCity) {
     userLocationInput.value = selectedCity;
  }
});
     const current button =
document.getElementById('current_button');
     const apiKey = 'f3468552b34e995e5f4b888bce694975';
     current_button.addEventListener('click', () => {
       if (navigator.geolocation) {
          navigator.geolocation.getCurrentPosition(successCallback,
errorCallback);
       } else {
          alert('Geolocation is not supported by your browser.');
     });
     function successCallback(position) {
       const { latitude, longitude } = position.coords;
```

```
// Call the OpenWeatherMap API to get location details
```

```
fetch(`http://api.openweathermap.org/geo/1.0/reverse?lat=${latitude}
&lon=${longitude}&limit=1&appid=f3468552b34e995e5f4b888bce6
94975`)
          .then(response => response.json())
          .then(data => {
            if (data.length > 0) {
               const locationName = data[0].name; // Get the city
name
              locationInput.value = locationName; // Set it in the
input box
            } else {
               alert('Unable to fetch location details.');
            }
          })
          .catch(error => {
            console.error('Error fetching location:', error);
            alert('An error occurred while fetching location details.');
          });
     }
     function errorCallback(error) {
       switch (error.code) {
          case error.PERMISSION DENIED:
```

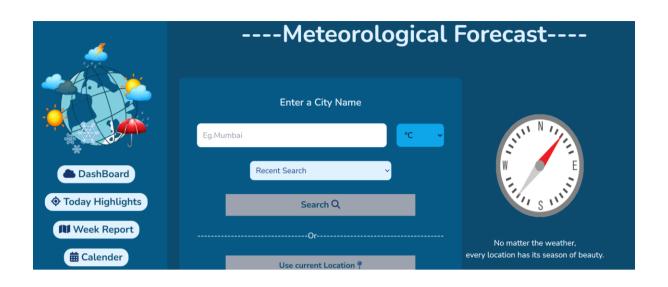
```
alert('User denied the request for Geolocation.');
            break;
         case error.POSITION UNAVAILABLE:
            alert('Location information is unavailable.');
            break;
         case error.TIMEOUT:
            alert('The request to get user location timed out.');
            break;
         case error.UNKNOWN_ERROR:
            alert('An unknown error occurred.');
            break;
       }
// calender accessbility
const header = document.querySelector(".calendar h3");
const dates = document.querySelector(".dates");
const navs = document.querySelectorAll("#prev, #next");
const months = [ // array of months
 "January",
 "February",
 "March",
 "April",
 "May",
```

```
"June",
 "July",
 "August",
 "September",
 "October",
 "November",
 "December",
];
let dated = new Date();
let month = dated.getMonth();
let year = dated.getFullYear();
function renderCalendar() {
 // first day of the month
 const start = new Date(year, month, 1).getDay();
 // last date of the month
 const endDate = new Date(year, month + 1, 0).getDate();
 // last day of the month
 const end = new Date(year, month, endDate).getDay();
 // last date of the previous month
 const endDatePrev = new Date(year, month, 0).getDate();
 let datesHtml = "";
```

```
for (let i = \text{start}; i > 0; i--) 
  datesHtml += `${endDatePrev - i + 1}`;
 }
 for (let i = 1; i \le endDate; i++) {
  let className =
   i === dated.getDate() &&
   month === new Date().getMonth() &&
   year === new Date().getFullYear()
    ? 'class="today"'
    : "";
  datesHtml += \cli{className} > {i} ;
 for (let i = end; i < 6; i++) {
  datesHtml += `${i - end + 1}`;
 }
 dates.innerHTML = datesHtml;
 header.textContent = `${months[month]} ${year}`;
navs.forEach((nav) => {
 nav.addEventListener("click", (e) => {
  const btnId = e.target.id;
```

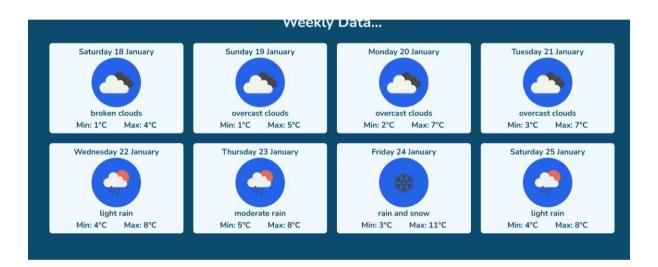
```
if (btnId === "prev" && month === 0) {
   year--;
   month = 11;
  } else if (btnId === "next" && month === 11) {
   year++;
   month = 0;
  } else {
   month = btnId === "next" ? month + 1 : month - 1;
  }
  dated = new Date(year, month, new Date().getDate());
  year = dated.getFullYear();
  month = dated.getMonth();
  renderCalendar();
      });
});
renderCalendar();
```

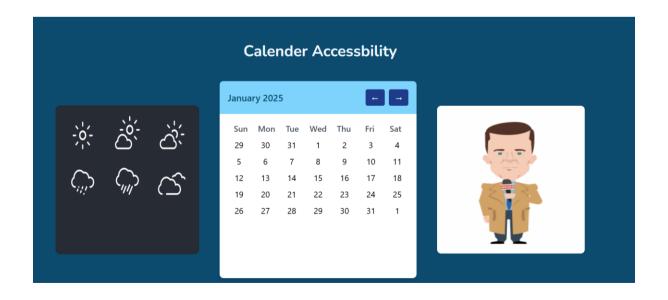
SCREENSHOT ATTACHMENT









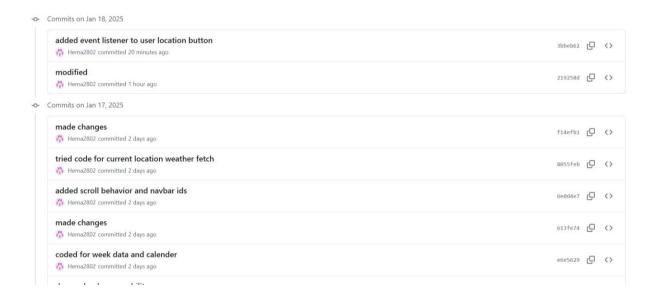


GITHUB HISTORY VERSION CONTROL SYSTEM

Git recent log data:

675a6e2 (HEAD -> main, origin/main, origin/HEAD) made changes 3bbeb62 added event listener to user location button 219258d modified

GIT HISTORY:



	coded for week data and calender Hema2802 committed 2 days ago	e6e5629	O	<>
	done calender accessbility Hema2802 committed 2 days ago	55fd6d2	c	<>
-0-	Commits on Jan 16, 2025			
	made changes The Hema 2802 committed 2 days ago	d24cf6e	C	<>
	made changes Thema2802 committed 2 days ago	a2c0ab2	O	<>
-0-	Commits on Jan 15, 2025			
	added user location date and time Thema2802 committed 3 days ago	3051ab2	O	<>
	done changes The Hema 2802 committed 3 days ago	dff9dd8	O	<>
	modified The Hema2802 committed 4 days ago	920b894	G	<>
	called elements and API get from onenweather			
	made changes The Hema2802 committed 4 days ago	315b9f8	O	<>
	added new jpg image	517b594	O	<>
-0-	Commits on Jan 14, 2025			
	changes in css output file The ma2802 committed 4 days ago	f5cd8ce	C)	<>
	linked js file The Hama2802 committed 4 days ago	3d84445	G	<>
	created javaScript file Thema2802 committed 4 days ago	2070d08	Q	<>
	added repoter gif The Hema2802 committed 4 days ago	08b7afe	O	<>
	done changes Thema2802 committed 4 days ago	8be229e	O	<>
	made changes The maz802 committed 4 days ago	d5f56ce	_C	<>
	₩ Hema2802 committed 4 days ago	1,,,,,,,,	5	\/
	added windy gif	6740690	O	<>
	added sunny gif The Hema2802 committed 4 days ago	2ac1cb2	O	<>
	added rainny gif	e0f44a2	G	<>
	added cloudy weather gif The Hema2802 committed 4 days ago	9c7f9d5	O	<>
	changes in output.css Hema2802 committed 4 days ago	8c8fc71	O	<>
	added layout for today highlights Hema2802 committed 4 days ago	1e0b334	c	<>
	changes in output css file Hema2802 committed 4 days ago	bb2b987	O	<>
	changes made in input css file The Hema2802 committed 4 days ago	d146db5	O	<>

hanges in output css file	Contract of
Hema2802 committed 4 days ago	bb2b987 년
hanges made in input css file	d146db5 [Ç
Hema2802 committed 4 days ago	4144005
nodified html file	Seficdc [□
Hema2802 committed 4 days ago	Ber Zeite
nake changes	c5680ff [<u>C</u>
Hema2802 committed 4 days ago	(30001)
reated nav bar inside div	8ce1739 [C
Hema2802 committed 4 days ago	8ce1/39
irst div created	