

# Web Development Major Project

Name: Neetu Prajapati

Batch: August

Year: 2022-23

Project: Web App for Weather Forecast

# Web Development Major Project

## HTML CODE

```
Index.html X # Weather.css JS Weather.js
Index.html > html > body > form#search_bar
1 <html>
2   <title>Weather App </title>
3   <head>
4     <link rel="stylesheet" href="Weather.css">
5     <!-- <link rel=" javascript" href="Weather.js"> -->
6     <script src="Weather.js"></script>
7   </head>
8   <body>
9     <form id="search_bar">
10      <input type="search" placeholder="Enter City Name" id="search_input" required autocomplete="off"></input>
11      <br>
12    </br>
13    <button id="search_Button">search</button>
14  </form>
15  <main id="app-container">
16    <div id="location">
17      <p> ----- </p>
18    </div>
19    <div id="temp">
20      
21      <p>
22        <span id="temp-value"> </span> <span id="temp-unit">-----&#176c</span>
23      </p>
24    </div>
25    <div id="Climate">
26      <p> ----- </p>
27    </div>
28  </main>
29 </body>
30 </html>
```

# Web Development Major Project

## CSS CODE

```
Index.html  # Weather.css X  JS Weather.js
# Weather.css > main
1  * {
2    box-sizing: border-box;
3    margin: 0;
4    padding: 0;
5  }
6  body {
7    height: 120px;
8    background-color: #001129;
9  }
10
11  #search_bar {
12    display: flex;
13    justify-content: center;
14    align-items: center;
15    margin-top: 120px;
16  }
17
18  #temp {
19    text-align: center;
20  }
21  #temp-value {
22    color: #f0f0f0;
23  }
24  #temp #temp-unit {
25    font-family: system-ui, -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto,
26    Oxygen, Ubuntu, Cantarell, "Open Sans", "Helvetica Neue", sans-serif;
```

# Web Development Major Project

```
# Weather.css > main
22 |   color: ■ antiquewhite;
23 | }
24 | #temp #temp-unit {
25 |   font-family: system-ui, -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto,
26 |   | Oxygen, Ubuntu, Cantarell, "Open Sans", "Helvetica Neue", sans-serif;
27 |   font-size: 2rem;
28 |   color: ■ blanchedalmond;
29 | }
30 | #climate {
31 |   font-family: system-ui, -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto,
32 |   | Oxygen, Ubuntu, Cantarell, "Open Sans", "Helvetica Neue", sans-serif;
33 |   font-size: 2rem;
34 |   color: ■ blanchedalmond;
35 |   text-align: center;
36 | }
37 | #location {
38 |   font-family: system-ui, -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto,
39 |   | Oxygen, Ubuntu, Cantarell, "Open Sans", "Helvetica Neue", sans-serif;
40 |   font-size: 2rem;
41 |   color: ■ blanchedalmond;
42 |   text-align: center;
43 | }
44 | #temp-icon {
45 |   margin: 1rem;
46 |   width: 35%;
47 |   height: auto;
```

0 ➤ Launch Chrome against localhost (Weather Forecast) Ln 52, Col 34 Spaces:

# Web Development Major Project

```
# Weather.css > main
48 }
49 main {
50   padding: 20px;
51   margin-top: 10px;
52   background-color: lightslategray;
53   border-radius: 20px;
54   width: 400px;
55   height: 400px;
56   display: block;
57   margin-left: auto;
58   margin-right: auto;
59   box-shadow: 10px 10px 20px 10px rgba(112, 102, 102, 0.2);
60 }
61 #search_Button {
62   color: #494949;
63   text-transform: uppercase;
64   text-decoration: none;
65   border-radius: 5px;
66   margin-left: 5px;
67   padding: 10px;
68   border: 2px solid salmon;
69   display: inline-block;
70   transition: all 0.4 ease 0s;
71 }
72 #search_Button:hover {
```

# Web Development Major Project

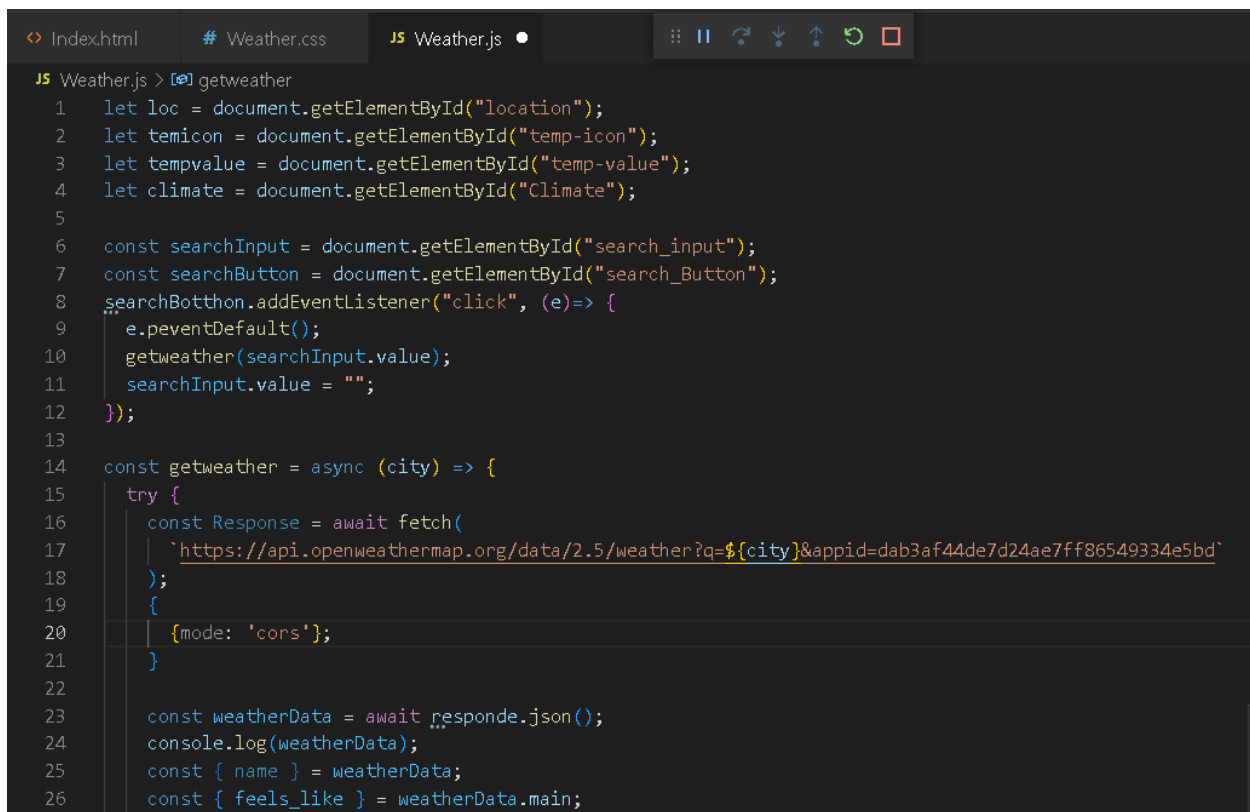
```
# Weather.css > main
59 | box-shadow: 10px 10px 20px 10px rgba(112, 102, 102, 0.2);
60 | }
61 | #search_Button {
62 |   color: #494949;
63 |   text-transform: uppercase;
64 |   text-decoration: none;
65 |   border-radius: 5px;
66 |   margin-left: 5px;
67 |   padding: 10px;
68 |   border: 2px salmon;
69 |   display: inline-block;
70 |   transition: all 0.4 ease 0s;
71 | }
72 | #search_Button:hover {
73 |   color: #f7f7f7;
74 |   background: red;
75 |   border-color: red;
76 |   transition: all 0.4 ease 0s;
77 | }
78 | #search_input {
79 |   width: 260px;
80 |   overflow: hidden;
81 |   font-size: 20px;
82 |   margin: 8px 0;
83 |   padding: 8px 0;
84 |   color: white;
```

# Web Development Major Project

```
# Weather.css > main
72  #search_Button:hover {
73      color: ■ #f7f7f7;
74      background: ■ red;
75      border-color: ■ red;
76      transition: all 0.4 ease 0s;
77  }
78  #search_input {
79      width: 260px;
80      overflow: hidden;
81      font-size: 20px;
82      margin: 8px 0;
83      padding: 8px 0;
84      color: ■ white;
85      outline: none;
86      background: none;
87      border-bottom: 3px solid ■ red;
88  }
89  input{
90      | border: none;
91  }
92
```

# Web Development Major Project

## JAVASCRIPT CODE



The image shows a code editor with three tabs: 'Index.html', '# Weather.css', and 'JS Weather.js'. The 'JS Weather.js' tab is active, displaying the following JavaScript code:

```
JS Weather.js > [x] getweather
1  let loc = document.getElementById("location");
2  let temicon = document.getElementById("temp-icon");
3  let tempvalue = document.getElementById("temp-value");
4  let climate = document.getElementById("Climate");
5
6  const searchInput = document.getElementById("search_input");
7  const searchButton = document.getElementById("search_Button");
8  searchBotthton.addEventListener("click", (e)=> {
9    e.peventDefault();
10   getweather(searchInput.value);
11   searchInput.value = "";
12 });
13
14 const getweather = async (city) => {
15   try {
16     const Response = await fetch(
17       `https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=dab3af44de7d24ae7ff86549334e5bd`
18     );
19     {
20       {mode: 'cors'};
21     }
22
23     const weatherData = await _response.json();
24     console.log(weatherData);
25     const { name } = weatherData;
26     const { feels_like } = weatherData.main;
```



# Web Development Major Project

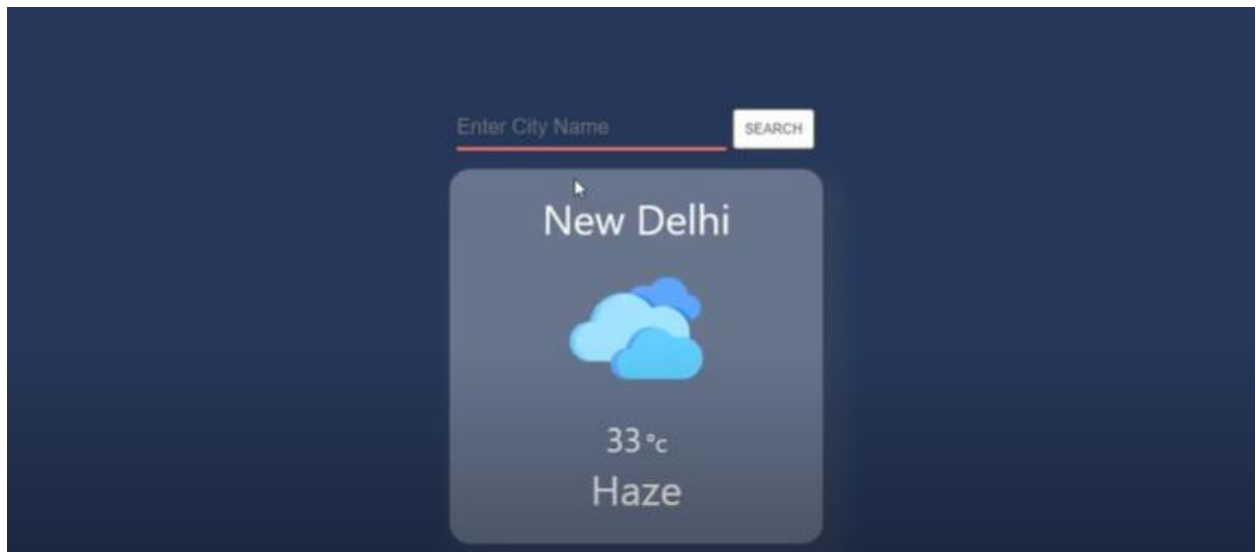
```
JS Weather.js > [0] getweather
25     const { name } = weatherData;
26     const { feels_like } = weatherData.main;
27     const { id, main } = weatherData.weather[0];
28     loc.textContent = main;
29     climate.textContent = main;
30     tempvalue.textContent = math.round(feels_like - 273);
31   } catch (error) {
32     alert('city not found');
33   }
34
35   window.addEventListener("load", () => {
36     let long;
37     let lat;
38
39     if (navigator.geolocation) {
40       navigator.geolocation.getCurrentPosition((position) => {
41
42
43
44         long = position.coords.longitude;
45         lat = position.coords.latitude;
46         const proxy = "https://cors-anywhere.herokuapp.com/";
47
48         const api = `${proxy}api.openweathermap.org/data/2.5/weather?lat=${lat}&lon=${long}&appid=dab3af44de7d24ae7ff86549334e5bd`;
49
50         fetch(api)
51           .then((Response) => {
52             return Response.json();
53           })
54           .then((data) => {
55             const { name } = data;
56             const { feels_like } = data.main;
57             const { id, main } = data.weather[0];
58
59             loc.textContent=name;
60             climate.textContent=main;
61             tempvalue.textContent=math.round(feels_like - 273);
62
63             if(id<300 && id>200)
64             {
65               tempicon.src="file:///C:/Users/NITU/Downloads/snow.svg"
66             }
67             if(id<400 && id>300)
68             {
69               tempicon.src="file:///C:/Users/NITU/Downloads/thunderstorm-9.svg"
70             }
71           })
72         }
73       }
74     }
75   }
76 }
```

# Web Development Major Project

```
Index.html # Weather.css JS Weather.js
JS Weather.js > [?] getweather > [?] window.addEventListener("load") callback > [?] navigator.geolocation.getCurrentPosition() callback
64         if(i<300 && id>200)
65         {
66             tempicon.src="file:///C:/Users/NITU/Downloads/snow.svg"
67         }
68         if(i<400 && id>300)
69         {
70             tempicon.src="file:///C:/Users/NITU/Downloads/thunderstorm-9.svg"
71         }
72         if(i<600 && id>500)
73         {
74             tempicon.src="file:///C:/Users/NITU/Downloads/clouds-_-son%20(1).svg"
75         }
76         if(i<700 && id>600)
77         {
78             tempicon.src="file:///C:/Users/NITU/Downloads/clouds-_-son.svg"
79         }
80         if(i<800 && id>700)
81         {
82             tempicon.src="file:///C:/Users/NITU/Downloads/download.svg"
83         }
84         console.log(data);
85     });
86 });
87 }
88 });
89 };
90 };
91
```

# Web Development Major Project

## OUTPUT



Web Development Major Project