



# Assignment:

**DailyWeather - Weather app**

# PROJECT OVERVIEW :

“**DailyWeather**” is a Weather App, Built as an ‘Progressive Web App’ . This Application is deployed in Netlify and can be installed as an app by going through the link. The app is fully designed/tested for Web & Mobile responsive.

This Web-App comprises of the following functionalities: -

- Consumes WeatherAPI to give weather related information.
- Fully responsive for various screen sizes (desktop, iPad Mini, iPhone SE).
- Allows users to search for weather forecasts by city name.
- Allow users to search weather forecasts for their current location.
- Added user interaction features such as buttons and input fields for selecting locations and viewing different weather data.
- Implemented a dropdown menu for recently searched cities using Local Storage.
- Implement event listeners to handle user interactions and update the UI accordingly.
- Validation of user inputs to prevent errors.
- Fetching and displaying location-specific weather forecasts (e.g., temperature, humidity, wind speed, etc) for a user's location.
- Implemented temperature unit toggle (°C/°F).
- Implemented custom weather alerts for extreme temperatures.
- Used appropriate icons or graphics to represent weather conditions (e.g., sunny, cloudy, rainy. If the weather condition is rainy, then it turns into a rainy background dynamically).
- Implemented functionality to display extended weather forecasts for multiple days (e.g., 6-day forecast).
- Organized forecast data into a visually appealing and easy-to-read format. (date, precipitation, wind, and humidity information with relevant icons for temp, wind, and humidity in each card).
- Handled API errors gracefully by displaying appropriate error messages to users.

Github open source : <https://github.com/chaitali9497/daily-weather>

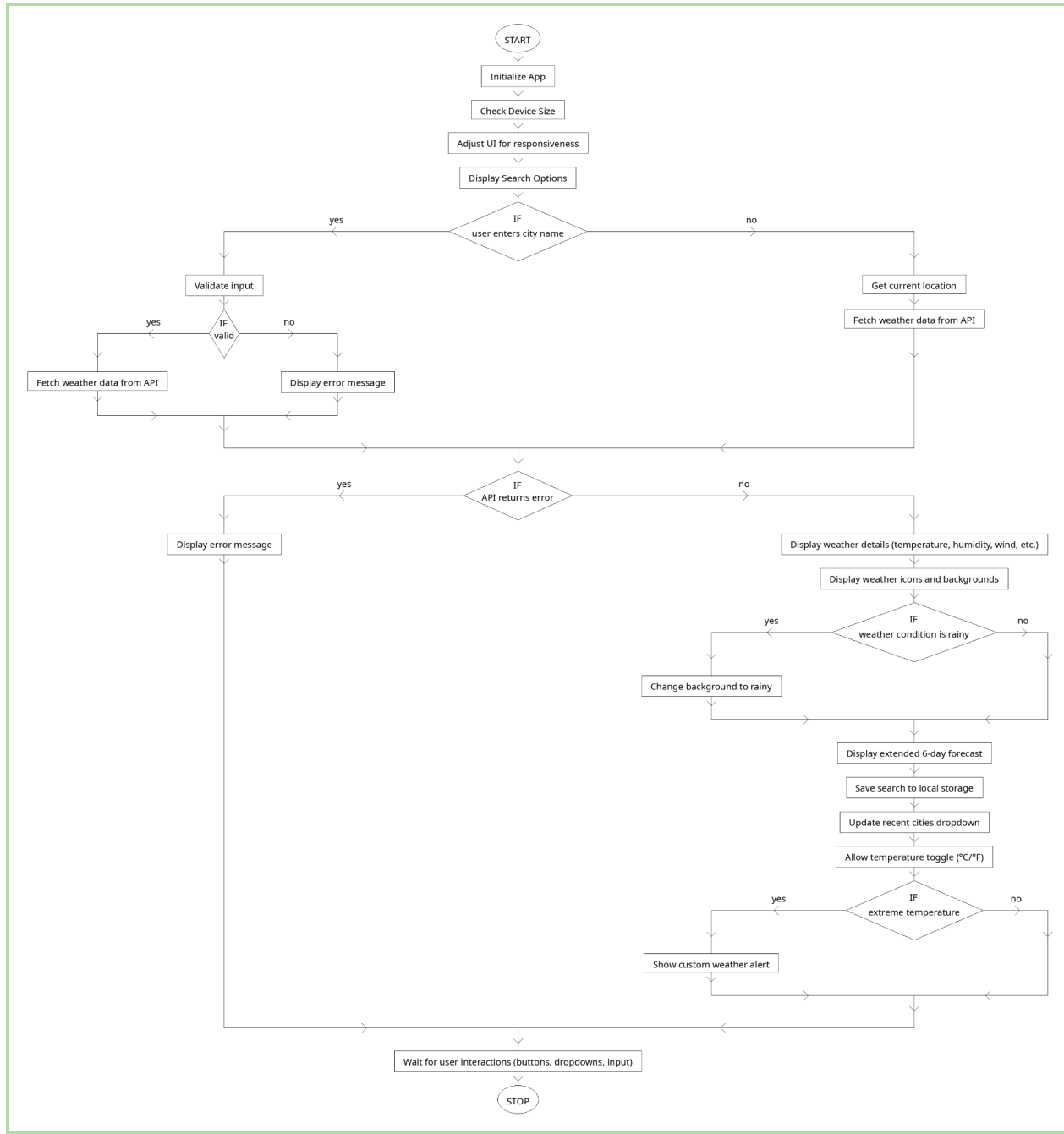
Netlify deployment : <https://daily-weather-pwa.netlify.app/>

Design inspiration : <https://dribbble.com/shots/25341218-WeatherJ>

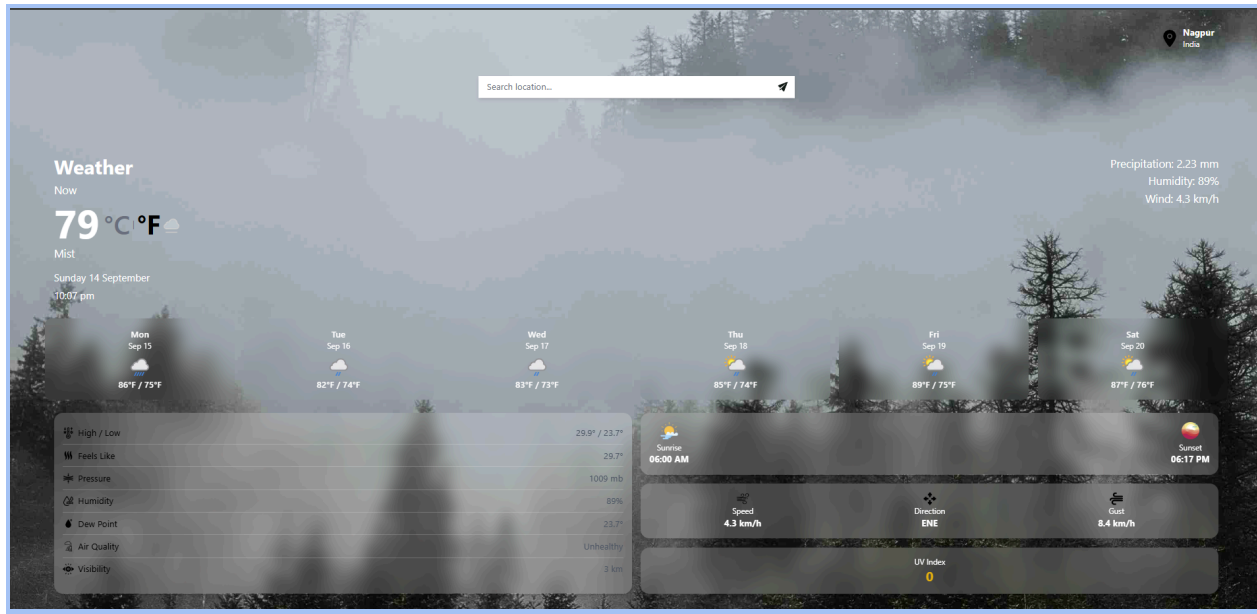
# PROJECT STRUCTURE :

```
DAILY-WEATHER-APP/
├── node_modules/
├── src/
│   ├── icons/           (weather icons)
│   ├── images/          (backgroud images)
│   │   ├── cloudy.jpg
│   │   ├── fog.jpg
│   │   ├── rain.png
│   │   ├── snow.jpg
│   │   ├── sunny.jpg
│   │   └── thunder.jpg
│   ├── JS/
│   │   └── index.js
│   ├── # input.css
│   ├── # output.css
│   ├── service-worker.js
│   └── .gitignore
├── index.html
├── manifest.json
├── package-lock.json
├── package.json
├── postcss.config.mjs
└── README.md
```

# PROJECT FLOW :



# APP USER INTERFACE :



Ottawa  
Canada

Cana

Canada

Weather

Now

72 °C | °F

Partly cloudy

Sunday 14 September

12:42 pm

Precipitation: 0 mm

Humidity: 57%

Wind: 12.6 km/h

Mon  
Sep 15

Tue  
Sep 16

Wed  
Sep 17

Thu  
Sep 18

Fri  
Sep 19

Sat  
Sep 20

Weather

Now

22 °C | °F

Partly cloudy

Sunday 14 September


12:43 pm

Mon  
Sep 15

Tue  
Sep 16

# Weather

Now







3 °C | °F 




Overcast

Sunday 14 September

03:45 pm


**Extreme Cold Alert! Dress warmly and stay safe.**

Mon Sep 15	Tue Sep 16	Wed Sep 17	Thu Sep 18	Fri Sep 19	Sat Sep 20
					
4°C / 3°C	8°C / 3°C	6°C / 5°C	6°C / 4°C	6°C / 5°C	6°C / 5°C

Tue Sep 16	Wed Sep 17	Thu Sep 18
		
28°C / 24°C	29°C / 23°C	30°C / 23°C

 High / Low


3.4° / 2.8°

 Feels Like

0.7°

 Pressure


1012 mb

 Humidity

87%

 Dew Point

1.6°

 Air Quality

Good

 Visibility

10 km



Sunrise  
**06:48 AM**



Sunset  
**07:55 PM**



Speed  
**9.7 km/h**



Direction  
**W**



Gust  
**14.3 km/h**

UV Index

**1.4**