- **Weather Underground API Integration:** *Context:* Integrating the Weather Underground API (https://www.wunderground.com/weather/api/) into the prototype system can leverage their extensive weather data. This API offers a comprehensive set of features, including current conditions, forecasts, and historical data.

- **Citizen Science Weather Monitoring Projects:** *Context:* Explore projects like the Community Collaborative Rain, Hail & Snow Network (CoCoRaHS) (https://www.cocorahs.org/) to understand how citizen scientists contribute to weather monitoring. CoCoRaHS, for instance, provides a network of volunteers collecting precipitation data across the United States.

- **Low-Cost IoT Weather Stations:** *Context:* Investigate low-cost IoT weather stations like those based on Raspberry Pi or Arduino. Sources such as Adafruit (https://www.adafruit.com/) and the Raspberry Pi Foundation (https://www.raspberrypi.org/) provide resources and tutorials on creating DIY weather stations.

- **Open Source Weather Data Platforms:** *Context:* Platforms like OpenWeatherMap (https://openweathermap.org/) and Weatherstack (https://weatherstack.com/) offer APIs for accessing weather data. Examining their documentation and developer resources can provide insights into incorporating open-source weather data into the prototype.

ID	Name	Jan 28, 2024	Feb 04, 2024	Feb 11, 2024	Feb 18, 2024	Feb 25, 2024	Mar 03, 2024	Mar 10, 2024	Mar 17, 2024
1	▾ Engineering Design Process Stages:								
2	Problem Identification								
3	Planning and Analysis								
4	Requirement Definition								
5	Ideation								
6	Evaluation of Design Alternatives								
7	Implementation								
8	Testing								
9	Documentation								