**Phase 7 Overview: Integration & External Access**

**Objective**

The objective was to demonstrate a basic, end-to-end integration by connecting Salesforce to a live, external, public API. This enhances the application by enriching the user experience with real-time, contextual data from an outside system.

**Procedure / Key Activities Performed**

* A **Remote Site Setting** was created to authorize an outbound connection to a public weather API (https://api.open-meteo.com).
* An **Apex Class** was written to perform an HTTP **Callout** to the weather API, request the current forecast for a specific location, and parse the resulting JSON data.
* A **Lightning Web Component (LWC)** named "localForecast" was built. This component includes a button that, when clicked, calls the Apex method and dynamically displays the retrieved weather information on the screen.
* The localForecast LWC was placed on the Farmer Record Page via the Lightning App Builder.