AeroSense: Phase 10 Documentation

Phase Title: Final Presentation & Demo Day
Objective: To deliver a compelling presentation of the AeroSense project, showcasing business value, technical implementation, and user experience to stakeholders and potential employers/clients.

1. Pitch Presentation

- **Slide 1: Title** → *AeroSense – Smart Air Quality Monitoring CRM*
- **Slide 2: Problem Statement** → Current AQI monitoring is fragmented, lacks real-time alerts, and offers no centralized data.
- **Slide 3: Solution** → AeroSense on Salesforce integrates sensors, readings, alerts, and dashboards into one system.
- **Slide 4: Key Features** →
    - Real-time AQI readings
    - Auto alerts when thresholds exceed
    - Daily AQI aggregation reports
    - Interactive dashboards
    - LWC live monitor component
- **Slide 5: Tech Stack** → Salesforce Admin + Developer (Objects, Flows, Apex, LWC, API, Platform Events).
- **Slide 6: Business Impact** → Faster response, safer communities, reliable data for policymakers.
- **Slide 7: Demo Walkthrough** (Screenshots).
- **Slide 8: Next Steps** → Future integration with IoT platforms, Mobile App.
- **Slide 9: Credits** → Team members / author.

2. Demo Walkthrough

Perform a **live flow demo**:

1. **Admin** creates a new Sensor.
2. **Sensor sends data** (Reading__c created).
3. **System auto-generates Alert** when AQI > 150.
4. **Technician** opens AeroSense app → Views *Live AQI Monitor LWC*.
5. **Executive** opens Dashboard → Sees "Top 5 Polluted Locations."

3. Client Q&A Preparation

Possible questions & answers:

- **Q:** How does AeroSense ensure data accuracy?
  A: Through Calibration records + validation rules.
- **Q:** Can we integrate with IoT devices?
  A: Yes, via REST API and Platform Events.
- **Q:** How is data secured?
  A: Role-based access, OWD, field-level security, and audit trail.

4. Feedback Collection

- Use Salesforce **Survey** or **Google Form** to collect client feedback after demo.
- Store feedback in Salesforce custom object → *Feedback__c*.

5. Handoff Documentation

- **Admin Guide:** Steps for adding new sensors, users, and managing profiles.
- **Developer Guide:** Apex classes, LWC components, integration endpoints.
- **User Guide:** Simple "How-To" for Technicians & Executives.
- **ERD + Flow Diagrams:** Export from Schema Builder & Flow Builder for documentation.

6. LinkedIn/Portfolio Showcase

- Write a short post:

“Excited to share my Salesforce project – AeroSense 🚀. A smart air quality monitoring system built with Salesforce (Admin + Developer). Includes real-time AQI alerts, dashboards, and LWC live monitoring. This project demonstrates complete Salesforce lifecycle (10 phases).”

The Git Link For all Documentation :-

https://github.com/Raksha-25/AeroSense