Phase 10: Final Presentation & Demo Day

This phase focused on preparing the final pitch, live demo, and project handoff. It demonstrates the end-to-end functionality of the **GreenEnergyTracker** Salesforce application and highlights the value it brings to citizens, organizations, and sustainability administrators.

Pitch Presentation

We designed a pitch deck that summarized:

- **Problem Statement:** Lack of centralized tracking for carbon footprint reduction and subscription-based green initiatives.

- **Solution:** Salesforce-based GreenEnergyTracker app with automation, reporting, and dashboards.

- **Impact:**

    o   Better measurement of CO_2 reduction across projects.

    o   Accountability for subscribers and organizations.

    o   Encouragement of eco-friendly initiatives.

    o   Data-driven insights into renewable energy adoption.

- **Technology Stack:** Salesforce Lightning, Apex, Flows, SFDX, Reports/Dashboards, External Integrations (GitHub API).

🎬 **Demo Walkthrough**

We created an **8–10 minute demo video** highlighting:

1. **Subscription Creation**

    o   Fields: *Subscription Name, Cost, Plan Type, Start Date, End Date, Status*.

    o   Example Subscription: **Solar Energy Annual Plan – Cost 500**.

2. **Carbon Footprint Record Creation**

    o   Fields: *Carbon Footprint Name, CO₂ Reduced (kg), Entry Date, Energy Type, Subscription*.

    o   Example Record: **Solar Energy – CO₂ Saved = 1200 kg, Linked to Solar Energy Annual Plan**.

3. **Automation (Trigger + Helper)**

o When a new Carbon Footprint is created, the related Subscription's *Total CO₂ Saved* field updates automatically.

4. **Flow for Notifications**

   o Sends alerts when a subscription is about to expire.

5. **Reports & Dashboards**

   o Reports: *CO₂ Reduction by Energy Type*, *Subscriptions by Status*.

   o Dashboard: *Total CO₂ Saved, Energy Breakdown Pie Chart, Subscription Trends*.

🗣 Feedback Collection

We conducted feedback gathering from test users (students, faculty, and admin stakeholders).

- **Students liked:**

  o Simple UI for adding footprints.

  o Transparency of linked subscription updates.

- **Faculty liked:**

  o Automated total CO₂ savings calculation.

  o Easy-to-use dashboards for evaluation.

- **Administrators liked:**

  o Role-based security and access controls.

  o Setup Audit Trail for governance.

📦 Handoff Documentation

Final handoff package prepared for project owners:

- **README.md** (with all 10 phases).

- **Technical Documentation** (Apex classes, triggers, flows).

- **Deployment Guide** (VS Code, SFDX, Change Sets).

- **User Guide** (creating Subscriptions, adding Carbon Footprints, viewing dashboards).

- **Demo Video (8–10 min)** showing app functionality.

✅ **Phase 10 Outcomes**

- Delivered end-to-end **demo video** (8–10 minutes).

- Completed **pitch presentation deck**.

- Collected feedback from test users.

- Prepared **handoff documentation** for maintenance.

Project Completion

With Phase 10 completed, the **GreenEnergyTracker** project is now fully functional, documented, and ready for use. It empowers organizations and individuals to monitor their **carbon footprint reduction** and supports eco-friendly initiatives through **real-time dashboards, automation, and secure access**.