

Phase 6: User Interface Development

■ Objective

Design and implement user-friendly interfaces for the GreenForce Sustainability Platform using Salesforce Lightning App Builder, Lightning Web Components (LWCs), and standard UI customization tools. The goal is to provide stakeholders (managers, employees, suppliers) with intuitive dashboards and portals for sustainability engagement.

Step 1: Lightning App & Navigation

- Create a dedicated GreenForce Lightning App.
- Add navigation items: Sustainability Initiatives, Emissions, Employee Engagement, Supplier Engagement.
- Assign the app to relevant user profiles (Manager, Analyst, Supplier, Employee).

Step 2: Page Layouts & Record Pages

- Customize record pages with Lightning App Builder.
- Initiative Record Page: Tabs for Emissions, Engagement, Related Reports.
- Emissions Record Page: Display key fields (CO2e, Date, Initiative Link) and charts.
- Use Dynamic Forms for conditional visibility of fields.

Step 3: Lightning Web Components (LWCs)

Develop custom LWCs to extend UI functionality:

- **EmissionTrackerLWC**: Interactive component to log & visualize CO2e emissions.
- **InitiativeDashboardLWC**: Summarizes impact score, budget, and progress.
- **RecognitionBadgeLWC**: Displays badges for employees reaching recognition thresholds.
- **SupplierPortalLWC**: Enables suppliers to submit compliance updates.

Step 4: Dashboards & Reports

- Build GreenForce Sustainability Dashboard:
 - Total Emissions by Scope (1,2,3)
 - Active vs. Completed Initiatives
 - Top Contributing Employees
 - Supplier Compliance Rates
- Schedule automated email delivery of dashboards to Managers.

Step 5: Community / Experience Cloud Sites

- Create an Employee Engagement Portal.
- Create a Supplier Compliance Portal.
- Expose selected LWCs and dashboards to these portals.
- Configure login & access controls via profiles and permission sets.

Step 6: Mobile Experience

- Optimize layouts for Salesforce Mobile App.
- Use Mobile Cards and Compact Layouts.
- Ensure LWCs are responsive with SLDS (Salesforce Lightning Design System).

Deliverables

- GreenForce Lightning App with navigation setup
- Customized record pages with Dynamic Forms
- Custom LWCs (Emission Tracker, Initiative Dashboard, Recognition Badge, Supplier Portal)
- Dashboards for sustainability tracking
- Experience Cloud Portals for Employees & Suppliers
- Optimized mobile experience for GreenForce users

■ By end of Phase 6, GreenForce will provide an engaging and intuitive user interface tailored for different stakeholders, ensuring adoption, ease of use, and real-time sustainability insights.