Phase 6: User Interface Development

Objective

To design a **user-friendly, role-specific interface** in Salesforce using **Page Layouts, Record Types, and Dashboards**, ensuring attendees, event organizers, and admins interact with the system seamlessly.

UI Components Implemented

1. Page Layouts & Record Types

Attendee__c Object

Record Type	Layout Name	Key Fields Shown	Purpose
Event Registration	Event Registration Layout	Name, Email, Department, Phone, Event (Lookup)	For attendee registration to events
Event Feedback	Event Feedback Layout	Name, Email, Event, Rating, Comments	For submitting feedback after events

Event__c Object

Layout	Fields Shown	Purpose
Event Management Layout	Event Name, Event_Date__c, Event_Time__c, Location_Text__c, Capacity__c, Department__c, Event_Type__c	To manage event details and related attendees

2. Custom Lightning Pages

- **Attendee Registration Page**
  - Simplified form for registering attendees to events.
  - Quick links to check available events and avoid duplicate registrations.
- **Attendee Feedback Page**
  - Easy interface for submitting feedback after attending events.
  - Conditional display ensures feedback is only visible after the event date.

- **Event Detail Page**

    - Consolidated view of event details, related registrations, and feedback.

    - Related lists show attendees, registration status, and feedback for easy navigation.

3. Dashboards & Reports UI

- **Event Capacity vs Registrations** (Bar Chart) → Shows registration progress per event.

- **Department-wise Registrations** (Donut Chart) → Displays attendee distribution by department.

- **Event Feedback Summary** (Table/Chart) → Highlights ratings and comments per event.

- **Upcoming Events List** → Quick view of scheduled events.

4. UI Enhancements for Usability

- **Record Types** ensure only relevant fields are visible for Registration vs Feedback.

- **Compact Layouts** highlight key attendee or event information at the top.

- **Dynamic Forms** allow conditional visibility (e.g., Rating and Comments only after event).

- **Role-Based Tab Visibility:**

    - **Event Admin:** Full access to Events, Attendees, Reports, and Dashboards.

    - **User (Attendee):** Only access to register for events and submit feedback.

Tabular Summary

UI Component	Type	Purpose
Attendee Page Layouts	Record-Type Based	Separate layouts for Event Registration & Feedback
Event Page Layout	Standard Layout	Shows event details with related attendees & feedback
Registration Lightning Page	Custom Lightning Page	Quick access for attendee registration
Feedback Lightning Page	Custom Lightning Page	Easy interface for submitting event feedback

UI Component	Type	Purpose
Event Detail Page	Custom Lightning Page	Unified view of event, linked attendees, and feedback
Dashboards	Charts & Tables	Real-time view of registrations, feedback ratings, upcoming events, and department insights

Benefits of UI Development

- Enhances **user adoption** with intuitive, role-specific layouts.

- Reduces **data entry errors** by showing only relevant fields.

- Provides **real-time insights** via dashboards for admins.

- Ensures **role-based clarity**, so users only see what's relevant to them.