**Custom Event Management System**

**Overview:**

The goal of this project is to create a comprehensive Event Management System that allows users to plan, manage, and analyze events. The system will help organize various types of events (conferences, webinars, workshops) and handle registrations, attendee tracking, and feedback collection.

**Objectives:**

* Build custom objects to manage events, attendees, and feedback.
* Create user-friendly interfaces using Lightning Components.
* Automate processes for registration confirmation and feedback collection.
* Implement reports and dashboards for event analysis.

**Key Features**

**Custom Objects:**

**Event:** Stores details like event name, date, location, type, capacity, and description.

**Attendee:** Records attendee information including name, email, phone, and the event they registered for.

**Feedback:** Captures feedback from attendees about their experience.

**User Interface:**

* Use Salesforce Lightning web Components to create a dynamic user interface.
* Develop a main page displaying upcoming events.
* Create a dedicated page for each event showing details, attendee list, and feedback form.
* Create a Registration page that enables the user to register.
* Create a Feedback page to take feedback from the attendees.

**Registration Process:**

* Implement a Lightning web Component for event registration.
* Use Apex to handle the registration logic and ensure capacity limits are enforced.
* Toast a confirmation message to attendees upon successful registration.

**Feedback Collection:**

* Develop a Lightning web Component for attendees to submit feedback after an event.
* Store feedback in the Feedback object and link it to the respective Event and Attendee.

**Implementation Steps:**

**1. Setup Salesforce Environment:**

* Create a Salesforce Developer Account.
* Set up a new Salesforce Lightning App.

**2. Define Custom Objects:**

* Navigate to Object Manager and create the Event, Attendee, and Feedback objects.
* Define fields for each object (e.g., Event Name, Event Date, Attendee Email).

**3. Build Lightning Components:**

* Use the Lightning App Builder to create pages.
* Develop components for the event listing, registration form, and feedback submission.

**4. Develop Apex Classes:**

* Write Apex classes to handle registration logic.
* Create a controller for the feedback component to process submissions.

**5. Test the Application:**

* Conduct unit tests on Apex code.