**Phase 6: User Interface Development**

**Goal:** Make the application user-friendly and interactive.

**1. Lightning App Builder**

* Created **EV Charging CRM App** using Lightning App Builder.
* App contains core objects: **Charging Stations, Chargers, Bookings, Contacts**.

**2. Record Pages**

* Customized record pages:
  + **Charging Station Page** → shows related Chargers.
  + **Booking Page** → shows Booking details + related Station/Charger.

**3. Tabs**

* Added navigation tabs for:
  + Charging Stations
  + Chargers
  + Bookings
  + Reports

**4. Home Page Layout**

* Customized **Home Page** to show:
  + Quick links to create a new Booking.
  + Dashboard (utilization + revenue insights).

**5. Utility Bar**

* Added **Quick Action: New Booking** in the utility bar.

**6. Reports & Dashboards**

* Built reports:
  + **Bookings by Station**
  + **Revenue by Station**
  + **Today’s Bookings**
* Created **EV Project Dashboard** and added it to the Home Page.

**7. Lightning Web Components (LWC)**

* Built **Search Available Chargers** component:
  + Search by Station + Date.
  + Shows results in a datatable.

**8. Apex with LWC**

* Used Apex methods for:
  + Checking charger availability.
  + Creating bookings directly from LWC.

**9. Events in LWC**

* Implemented parent-child communication:
  + Search form (child) sends search inputs.
  + Results component (parent) displays chargers.

**10. Navigation Service**

* After booking → user is navigated automatically to the **Booking Record Page**.

**Deliverables in Phase 6**

* EV Charging CRM App (with Tabs + Record Pages).
* Customized Home Page with Dashboard + Quick Actions.
* Reports & Dashboards for insights.
* LWC for searching chargers and creating bookings.