**Phase 6: User Interface Development – Replastix Innovation**

## 1. Lightning App Builder

* Salesforce tool to **create custom pages** for apps without code.
* Allows dragging and dropping components to build responsive UI.
* Example: Replastix Management app can have a **Plastic Waste Dashboard** and related lists on one page.
* **Screenshot placeholder:** Lightning App Builder workspace

## 2. Record Pages

* Custom layout for **object records** (Plastic Waste, Recycled Product, Order).
* Includes sections like **Highlights Panel**, **Related Lists**, **Tabs**.
* Allows **different pages for desktop and mobile**.
* **Screenshot placeholder:** Plastic Waste record page

## 3. Tabs

* Tabs organize objects in your app for **easy navigation**.
* Types: Standard Tabs (Accounts, Contacts), Custom Tabs (Plastic Waste, Recycled Product).
* Add Tabs in **App Manager → Navigation Items**.
* **Screenshot placeholder:** App navigation bar with tabs

## 4. Home Page Layouts

* Customize **home page** with dashboards, recent records, and key metrics.
* Example for Replastix:
  + Total Plastic Waste Collected
  + Recycled Products Produced
  + Pending Orders
* **Screenshot placeholder:** Replastix home page layout

## 5. Utility Bar

* Bottom bar for **quick actions** like:
  + Create New Record
  + Search Plastic Waste Batch
  + Access Reports Dashboard
* **Setup → App Manager → Utility Bar**
* **Screenshot placeholder:** Utility Bar in Lightning app

## 6. Lightning Web Components (LWC)

* Modern **UI framework** for Salesforce.
* Allows **custom components** with HTML, JavaScript, and CSS.
* Example: Custom table showing Plastic Waste batch status dynamically.
* **Screenshot placeholder:** LWC component preview

## 7. Apex with LWC

* Use **Apex classes** to fetch or update data from Salesforce in LWC.
* Example: Fetch Plastic Waste data and display in a custom table.
* **Code Example (simplified):**

@AuraEnabled  
public static List<Plastic\_Waste\_\_c> getWasteRecords() {  
 return [SELECT Id, Type\_\_c, Weight\_\_c, Status\_\_c FROM Plastic\_Waste\_\_c];  
}

## 8. Events in LWC

* Components can communicate using **Custom Events**.
* Example: Selecting a Plastic Waste batch in one component triggers update in another component.
* **Screenshot placeholder:** Event flow diagram

## 9. Wire Adapters

* Fetch Salesforce data **reactively** in LWC using @wire.
* Example: Display live list of Recycled Products.
* **Screenshot placeholder:** LWC with wired data

## 10. Imperative Apex Calls

* Call Apex methods **on demand** rather than automatically.
* Example: Trigger an inventory check when a button is clicked.
* **Screenshot placeholder:** Imperative call button in LWC

## 11. Navigation Service

* Allows **programmatic navigation** in LWC.
* Example: Navigate to a Plastic Waste record when a row is clicked.
* **Screenshot placeholder:** Navigation service example

✅ **Result of Phase 6:** - Fully functional, user-friendly UI for Replastix CRM - Lightning pages, tabs, LWC components, and utility bar ready for operations - Components communicate and fetch data dynamically