**Phase 6: User Interface (UI)**

**1. Lightning Pages**

Lightning Pages provide a customizable UI layout for your Salesforce objects. For the bookstore, you can set up:

**a) Book Record Page**

* **Purpose:** Display detailed information about a book, including stock and availability.
* **Components:**
  + **Book Details:** Standard record detail component.
  + **Stock Banner (custom LWC):** Shows a warning if stock is low (Stock\_Quantity\_\_c < threshold).
* **Behavior:** Displays stock status dynamically using an LWC (Low Stock Alert).

**b) Order Page**

* **Purpose:** Manage customer orders.
* **Components:**
  + **Order Lines LWC:** Table of books added to the order.
  + **Order Summary:** Displays total price, payment method, and status.
  + **Place Order Button:** Submits the order and triggers payment integration.

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**2. Lightning Web Components (LWCs)**

**a) Book Search Component**

* **Purpose:** Allow users to search and filter books by **genre, price, or keywords**.
* **Key Features:**
  + Search bar for title, author, or ISBN.
  + Combobox filters for **Genre**.
  + Price range filter using two number inputs.
  + Displays results in a lightning-datatable.
* **Integration:** Uses Apex methods like searchBooks and getAllBooks.

**b) Order Placement Form**

* **Purpose:** Allow sales staff or customers to create orders.
* **Key Features:**
  + Select books from inventory.
  + Specify quantity (check stock).
  + Calculate **total price** automatically.
  + Payment method selection (Credit Card, UPI, Cash).
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    AI-generated content may be incorrect.Submit button calls Apex method to create the order.

**c) Low Stock Alert Popup (Manager)**

* **Purpose:** Notify managers if any book has low stock.
* **Implementation:**
  + Apex query to check stock below threshold.
  + LWC modal pops up on dashboard load.

**3. Utility Bar**

* **Purpose:** Provide quick access to the **Sales Dashboard** and common actions.
* **Components:**
  + Sales metrics LWC (dashboardStats).
  + Quick add book or order button.
* **Setup:**
  + Go to **App Manager → SmartBookstore App → Utility Bar**.
  + Add dashboardStats LWC and configure icons.
  + Users can see live updates without leaving the page.

**4. Navigation Service**

* **Purpose:** Link LWCs with record details and pages.
* **Use Cases:**
  + From BookManagement datatable, click a book → navigate to Book Record Page.
  + From Order LWC, navigate to Order Record Page on creation.

**5. Integration with Aura App**

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