Task 8: Viewing Details of Buyers, Products, and Transactions

1. Purpose

This feature provides users with a **comprehensive, organized, and searchable** interface to view and manage details related to buyers, products, and transactions. The goal is to enhance data accessibility and usability for better decision-making.

---

2. Viewing Buyers' Details

A. Description

Users should be able to view **key information** about buyers, including contact details and purchase history.

B. Steps to Implement

✅ **Table/List View:**

- Display buyers in a **structured table** with columns such as:
  - **Name**
  - **Email**
  - **Phone Number**
  - **Address**

✅ **Search and Filter Options:**

- Implement a **search bar** to find buyers by **name, email, or phone number**.
- Add **filters** for sorting buyers by **location or registration date**.

✅ **Detailed View:**

- Clicking a buyer's name should open a **detailed profile**, displaying:
  - **Purchase history**
  - **Total amount spent**
  - **Preferred payment method**

✅ **Sorting Functionality:**

- Enable **sorting options** to arrange buyers **alphabetically** or by **registration date** for easier navigation.

---

3. Viewing Products' Details

A. Description

Users should be able to view **detailed product information**, including stock availability and pricing.

B. Steps to Implement

✅ **Table/List View:**

- Display all products in a **structured table** with columns for:
  - **Product Name**
  - **Category**
  - **Price**
  - **Stock Availability**
  - **Description**

✅ **Sorting and Filtering:**

- Allow users to **sort products** by **price, category, or stock levels**.
- Add **filters** to view only **in-stock products** or filter by **category**.

✅ **Stock Indicators:**

- Implement **color-coded alerts** for stock status:
  - **Green:** Sufficient stock
  - **Yellow:** Low stock
  - **Red:** Out of stock

✅ **Detailed View:**

- Clicking on a product should open a **detailed view**, including:
  - **Supplier information**
  - **Product images**
  - **Related items or alternatives**

---

4. Viewing Transaction Details

A. Description

Users should be able to access **transaction records**, including buyer details, product information, and total amounts.

B. Steps to Implement

✅ **Table View:**

- Display transactions in a **structured table** with columns for:
  - **Transaction ID**
  - **Buyer Name**
  - **Product Name**

   - **Transaction Date**
   - **Quantity Purchased**
   - **Total Amount Spent**

✅ **Search and Filter Options:**

- Implement a **search bar** to find transactions by **buyer name, product name, or date**.
- Add a **date range filter** to view transactions within a specific period.

✅ **Detailed View:**

- Clicking a transaction should show:
   - **Payment method (Credit Card, UPI, Cash, etc.)**
   - **Order status (Completed, Pending, Canceled, etc.)**
   - **Additional notes (if applicable)**

✅ **Export Functionality:**

- Provide an option to **export transaction data** to **PDF or Excel** for record-keeping and reporting.

---

5. Additional Enhancements (Optional)

🔹 **Dark & Light Mode Support** for a better user experience.
🔹 **Download as CSV** for bulk data handling.
🔹 **Graphical Insights** (e.g., sales trends, top buyers, low-stock alerts).
