

Task 7: Generating the Bill

1. Purpose

This feature enables users to generate a bill for transactions, displaying essential purchase details such as product names, quantities, unit prices, and the total amount due. **No discounts, tax calculations, or bill number** will be included.

2. Bill Generation Process

A. Description

The bill will provide a structured breakdown of purchased products along with buyer and transaction details, ensuring clarity and ease of reference.

B. Steps to Implement

Buyer Details:

- Display the buyer's **name, address, contact number, and email** at the top.

Product Details:

- List all purchased items in a **table format**, including:
 - Product Name**
 - Quantity Purchased**
 - Unit Price**
 - Total Price Per Item** ($Quantity \times Unit\ Price$)

Total Calculation:

- Compute and display the **subtotal** (sum of all product totals).
- Show the **final total amount due** without any additional calculations (no tax or discounts).

Transaction Details:

- Include relevant details at the bottom, such as:
 - Transaction ID**
 - Purchase Date**
 - Payment Method (Cash, Card, UPI, etc.)**

3. User Interface for Generating Bills

A. Description

The UI should offer a **simple and user-friendly** experience, enabling users to quickly generate, preview, and save bills for completed transactions.

B. Steps to Implement

Preview Option:

- Allow users to **preview** the bill before printing or saving it.

Print/Export Options:

- Provide buttons to **print** the bill directly.
- Offer an option to **export the bill as a PDF** for offline storage.

Save for Future Reference:

- Enable users to **store generated bills** within the system for easy access later.

Search Functionality:

- Implement a search bar to find **specific transactions** and generate the corresponding bill.

4. Formatting and Layout

A. Description

The bill should have a **clean, professional, and easy-to-read** layout, ensuring all information is well-organized and visually clear.

B. Steps to Implement

Header Section:

- Display **company details** (name, logo, address) at the top for branding and professionalism.

Table Layout:

- Use a structured table with **clear column headers**:

Product Name	Quantity	Unit Price	Total Price
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Summary Section:

- At the bottom of the bill, display:
 - **Subtotal**
 - **Final Total Amount Due**

 **Footer Section:**

- Include **Transaction Date** and **Payment Method** for reference.
 - Add any **important terms or conditions** if required.
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Additional Enhancements (Optional)

- ◆ **Dark & Light Mode Support** for better readability.
- ◆ **Download as CSV** option for bulk data processing.
- ◆ **Email Integration** to send bills to buyers automatically.