

# Stock Management System Requirements

## 1. Login Module

- **Main Screen**
- **Label Of (Apna Zarai Markaz Ladhana) on top**
  - Login form with fields:
    - Username
    - Password
  - Authentication:
    - Can be hardcoded or integrated with an authentication system.

## 2. Main Screen

- **Navigation Menu**
  - Sales Page
  - Purchase Report
  - Purchase Entry
  - Sale Price Update
  - Sales Report
  - Sale Return
  - Sale Return View
  - Single Product Sale
  - Remaining Stock Details
  - Product Details
  - Add New Batch
  - Date-wise Purchase Report
  - Customer Credit

### 3. Sales Page

- **Customer Information**
  - Fields:
    - Name
    - Father's Name
    - Address
    - CNIC
    - Phone Number
    - Date
- **Product Details**
  - Fields:
    - Product ID
    - Product Quantity
    - Price
    - Batch ID
- **Payment Information**
  - Fields:
    - Cash Collected
    - Remaining in Credit
- **Actions**
  - Print Button that print bill with apna zarai markaz on top name

### 4. Purchase Report Page

- **Report Generation**
  - Select date range (From-Date, To-Date)
  - Generate report for purchases

### 5. Purchase Entry Page

- **Product Entry Form**
  - Fields:
    - Date
    - Product ID
    - Product Invoice Number
    - Batch Number
    - Batch
    - Purchase Price
    - Selling Price
    - Expiry Date
    - Quantity
  - Actions:
    - Add Product Button
    - Save Button

## 6. Sale Price Update Page

- **Price Update Form**
  - Fields:
    - Product ID
    - New Price
  - Actions:
    - Update Price Button

## 7. Sales Report Page

- **Report Generation**
  - Select date range (From-Date, To-Date)
  - Generate sales report

## 8. Sale Return Page

- **Return Entry Form**
  - Fields:
    - Sale Invoice Number
    - Date of Return
    - Quantity to be Returned
    - Unit Price
    - Total Price
    - Label Return
  - Actions:
    - Submit Return

## 9. Sale Return View Page

- **View Returns**
  - Display list of returned sales with details

## 10. Single Product Sale Page

- **Search and View Sales**
  - Fields:
    - Product ID
    - Date Range (From-Date, To-Date)
  - Display sales details for the selected product within the date range

## 11. Remaining Stock Details Page

- **View Stock**
  - Display remaining stock details by product wise

## 12. Product Details Page

- **Product Information Form**
  - Fields:
    - Product Name
    - Type
    - Size
    - Volume
    - Company
    - Weight
    - Price

## 13. Add New Batch Page

- **Batch Entry Form**
  - Fields:
    - Product ID
    - Select Product
    - Batch Number
  - Actions:
    - Add Batch Button

## 14. Date-wise Purchase Report Page

- **Report Generation**
  - Select date range (From-Date, To-Date)
  - Select Company
  - Generate report showing purchases date-wise and company-wise

## 15. Customer Credit Page

- **Credit Information**
  - Display a list of customers with their total credit amount
  - Fields:
    - Customer Name
    - Total Credit Amount
    -

# Functional Requirements

1. **User Authentication:**
  - Users must authenticate using a username and password.
2. **Customer and Sales Management:**
  - Capture and store customer details.
  - Record sales transactions with product and payment details.
  - Allow printing of sales receipts.
3. **Purchase Management:**
  - Enter and save purchase details.
  - Generate purchase reports based on date range.
4. **Price Management:**
  - Update product selling prices.
5. **Sales Reporting:**
  - Generate and view sales reports based on date range.
  - View detailed sales of a single product within a date range.
6. **Return Management:**
  - Record sales returns with details.
  - View list of all sales returns.
7. **Stock Management:**
  - View remaining stock details by product.
8. **Product Information Management:**
  - Enter and update product information.
  - Add new batches for products.
9. **Date-wise Purchase Reporting:**
  - Generate detailed purchase reports based on date range and company.
10. **Customer Credit Management:**
  - Display the credit details for each customer, showing the total amount given by each person.

# Non-Functional Requirements

1. **Usability:**
  - The system should have an intuitive and user-friendly interface.
2. **Performance:**
  - The system should respond quickly to user inputs and queries.
3. **Security:**
  - Ensure data security and integrity.
  - Implement secure authentication mechanisms.
4. **Scalability:**
  - The system should be scalable to handle increasing data volumes.
5. **Reliability:**
  - The system should be reliable with minimal downtime.
6. **Maintainability:**

- The system should be easy to maintain and update.
- 7. **Compatibility:**
  - The system should be compatible with various devices and browsers.