Functional Requirement Document (FRD)

1. Project Details

1.1 Project Title: Poultry Feed Management Software
1.2 Modules: Admin, Salesman, Sales Manager, Sales Authorizer, Plant Head, Accountant
1.3 Prepared By: Rajesh Nahak
1.4 Date: 18-07-2025

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2. User Roles & Functional Requirements

2.1 Admin

Objective:
Manages the entire system including products, warehouses, staff, and high-level reports.

Functions:

- **Authentication**: Login using Email & Password (optional 2FA)

- **Dashboard**:

    o   Total Sales

    o   Advance Collected

    o   Due Amount

    o   Total Employees

    o   Graphs: Weekly Sales, Advance vs Due, Rate Charts

- **Product Management**:

    o   Add / Edit / Delete Products

    o   Add price while adding to warehouse

    o   Product details visible by warehouse

- **Warehouse Management**:

    o   Add/Edit/Delete Warehouses

    o   Assign unique Plant Head and Accountant per warehouse

    o   View warehouse stock and orders

    o   Approve warehouse before it becomes operational

- **Employee Management**:

    o   Add/Edit/Delete Salesman, Sales Manager, Authorizer, Plant Head, Accountant

    o   Assign roles and manage access

- **Order Management**:

    o   View all orders

- o Cancel orders

- o Approve pending warehouses

- o View order details

- **Reports**:

  - o Exportable reports (Excel, PDF)

  - o Sales, Payment, Dispatch, etc.

2.2 Salesman

Objective:
Create and manage orders from assigned parties.

Functions:

- **Create Order**:

  - o Select Party

  - o Select Product Type, Item

  - o Enter Quantity → auto-calculate total

  - o Enter Advance Payment and Due Date

- **View Orders**:

  - o All orders placed by the salesman

  - o Track order status (e.g., Forwarded, Approved, Dispatched)

- **Due Payments**:

  - o List all unpaid/partially paid orders

  - o Enter amount, mode of payment

  - o Submit payment → update backend

2.3 Sales Manager

Objective:
Review new orders and forward them to Sales Authorizer.

Functions:

- **View Assigned Orders** (those placed by salesman)

- **Validate & Forward**:

  - o Lock orders after forwarding

  - o Track forwarded orders

- **View Order Details**

2.4 Sales Authorizer

Objective:
Review forwarded orders and assign warehouses.

Functions:

- **View Orders Forwarded by Manager**

- **Approve & Assign Warehouse**

    o   Select warehouse based on availability

- **Check Warehouse Status**:

    o   See if assigned warehouse is approved

- **View Assignment History**

2.5 Plant Head

Objective:
Update stock in assigned warehouse and dispatch orders.

Functions:

- **Warehouse Stock**:

    o   View products in warehouse

    o   Update stock quantity only (price fixed by admin)

- **Order Management**:

    o   View orders assigned to their warehouse

    o   Dispatch orders (enter transport info)

- **Transport Info**:

    o   Vehicle Number

    o   Driver Name, Contact

    o   Transport Company

- **Production vs Dispatch Chart**

2.6 Accountant

Objective:
Generate and manage invoices for dispatched orders.

Functions:

- **View Dispatched Orders** (for their warehouse only)

- **Generate Invoice**:
  - Calculates due
  - Stores invoice details
- **View Invoice by Order ID**
- **Download/Share Invoice**
- **Update Payment Status (Final)**

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3. General Notes

- **Roles** are linked to specific **warehouses** (especially Plant Heads and Accountants).
- Each warehouse can only have **one Plant Head** and **one Accountant**.
- **Admin** has master control over all modules.
- **Salesman** can only access their own orders and dues.
- Order status flows as:
- Placed → ForwardedToAuthorizer → WarehouseAssigned → Approved → Dispatched → Delivered → Paid

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