
Project Details

Project Name:	Inventory Management System
Assigned To:	Dongari Anantha Srinivas
Due Date:	2025-04-01

Description:

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The **Inventory Management System** is a web-based application that allows businesses to **track, manage, and update stock levels** efficiently. It provides a structured way to manage products, suppliers, and stock movements. This project will be developed using **PHP, Bootstrap, and MySQL** to ensure a **user-friendly and well-organized inventory system**.

Features to Implement

1.

User Authentication

- **Admin login** to manage inventory.
- **Employee login** (optional) for limited access.

2.

Product Management

- Add new **products** with details:
 - **Product Name**
 - **Category**
 - **Quantity in Stock**
 - **Supplier Details**
 - **Price**

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- Edit or delete existing products.

3.

Stock Tracking

- Update stock levels when items are **added or sold**.
- Display **low-stock alerts** when inventory drops below a set threshold.

4.

Sales & Purchase Records

- Log all **transactions** (products sold, restocked, or returned).
- Maintain **purchase history** for future reference.

5.

Search & Filter Functionality

- Search for products by **name, category, or supplier**.
- Filter products by **stock levels or date added**.

6.

Admin Panel (Inventory Control)

- Manage **products, sales records, and supplier details**.
 - Generate **stock and sales reports**.
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7.

Database Management

- Store **inventory details, sales transactions, and supplier records** in MySQL.

8.

Security Measures

- Implement **role-based access control** to restrict unauthorized actions.
- Prevent **SQL injection and unauthorized database modifications**.