

Project Proposal

Team Members

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1. Project Title

- **Title:** Inventory Management System (Stationery)

2. Project Description

- **Summary:**

The Inventory Management System (IMS) is a web-based platform designed to help organizations efficiently manage their stationery supplies. Users can track stock levels, add or remove items, and generate inventory reports. The system ensures proper supply management, prevents shortages, and simplifies the monitoring of office stationery.

Scope:

- Track various stationery items such as pens, pencils, notebooks, folders, printer paper, and office tools.
- Role-based access: Admins can manage items and users, while staff can update stock and view inventory.
- Generate reports on current stock levels and low-stock alerts.
- Focus on core inventory management functionalities without integrating advanced features like barcode scanning or financial management.

3. Objectives

1. To provide a system for tracking and managing stationery inventory efficiently.
2. To reduce errors from manual inventory management.
3. To help staff and administrators monitor stock levels and avoid shortages.
4. To develop a functional, web-based system using modern technologies suitable for educational or small business environments.

4. Target Users

1. Office staff responsible for stationery and supply management.
2. School or college administrators managing office materials.
3. Small business owners who want a simple system to track stationery stock.

5. System Features

1. User Registration/Login with role-based access (Admin, Staff)
2. Product Management (Add, Edit, Delete Stationery Items)
3. Stock Tracking (View quantity, update stock, low-stock alerts)
4. Dashboard with key metrics (total items, low-stock items, recent updates)
5. Inventory Reports (current stock, history, optional CSV/PDF export)

6. Technologies and Tools

- **Frontend:**
 - React.js
- **Backend:**
 - [Node.js](#) with Express.js
- **Database:**
 - MongoDB
- **Version Control:**
 - GitHub

7. Designing Tools

- Figma
- Canva