

Project Proposal: Jeans Fabric Business Database

Business scenario

The objective of this project is to develop a database application for a small business that specializes in selling jeans fabric. The database will streamline operations, track inventory, manage customer orders, and generate essential business reports.

Overview of business

The business is in the textile sector and specializes in the manufacturing and retailing of denim fabric. The company purchases raw yarn from several vendors, which is subsequently sent to a weaving factory for further processing. After it is manufactured, the cloth is kept in the business's inventory until it is purchased by clients. From procurement to sales, the database will assist in managing the complete workflow, guaranteeing effective operations and precise record-keeping.

Key Functionalities

- Inventory Management: Track the quantity of yarn and finished fabric in stock.
- Supplier Management: Maintain records of suppliers, including contact information and transaction history.
- Order Processing: Manage customer orders, including order details, status, and delivery information.
- Sales Tracking: Record sales transactions and generate sales reports.
- Customer Management: Store customer information and purchase history.

Entities and Attributes

1. Suppliers:
2. Yarn Inventory:
3. Fabric Inventory:
4. Customers:
5. Orders:

Reports

- Monthly Sales Report: Summarizes sales transactions for the month, including total revenue and number of orders.
- Inventory Report: Details of current stock levels of yarn and fabric.
- Supplier Report: Lists all suppliers and their transaction history.

- Customer Orders Report: Provides a summary of customer orders, including order status and delivery information.

