UMAK COOP Inventory Management System

Proponents: JJAC (III - ACDS)

Short Description:

A dynamic inventory management system that automatically updates item stock, description and price according to seller's input or changes. Items including the school uniform, school id lace, patches. Headers for the items include Item Id, Item name, Price, Stock or Quantity and rank in sales.

Here are the four modules for the Inventory Management System:
1. Inventory management
   > This module involves functions such as tracking of inventory, updating of stock number, availability of product and other functions in relation to product inventory

2. Order management
   > This module involves functions in managing orders such as order consolidation, processing, order fulfillment and order placement.

3. Accounting
   > This module tackles the scope of revenue tracking functions, expenses recording, profit calculations and financial reporting.

4. Data Administration
   > This module tackles the user management, back-up and recovery, security measure, and system maintenance.

Features

Inventory
- **Inventory Item tracking:** Allows users to track items in stock, including school uniform, school ID lace, patches, etc.
- **Stock updates:** Enables users to update the stock numbers of items based on inputs or changes.
- **Availability checking:** Provides functionality to check the availability of a product in real-time.
- **Product management:** Allows for updating item descriptions and prices as needed.
- **Sales ranking:** Tracks and displays the rank of items based on sales.

Order Management

- **Order processing:** Facilitates the processing of orders, including order verification and validation.
- **Order fulfillment:** Manages the fulfillment process, including packaging and shipping.
- **Order placement:** Allows users to place new orders.
- **Automatic order cancellation:** Automatically cancels orders if payment is not received within 24 hours.

Accounting
- **Revenue tracking:** Tracks revenue generated from sales.
- **Expenses recording:** Records expenses related to inventory management and order processing.
- **Profit calculations:** Calculates profits based on revenue and expenses.
- **Financial reporting:** Generates reports summarizing financial data and performance metrics.
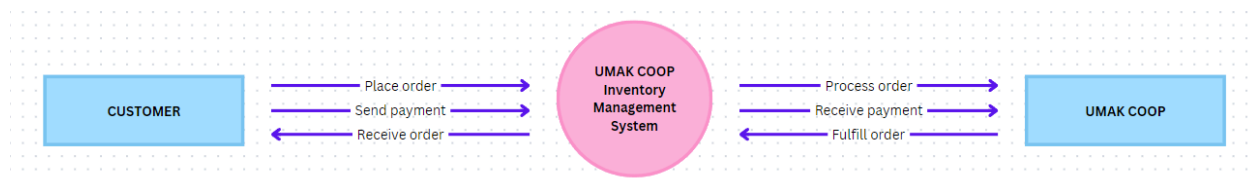
Data Administration
- **User management:** Manages user accounts, roles, and permissions.
- **Backup and recovery:** Implements regular backups of system data and provides mechanisms for data recovery in case of failure.
- **Security measures**: Implements security measures such as authentication, authorization, and encryption to protect system data.
- **System maintenance:** Provides tools for system maintenance, including software updates, performance monitoring, and troubleshooting.
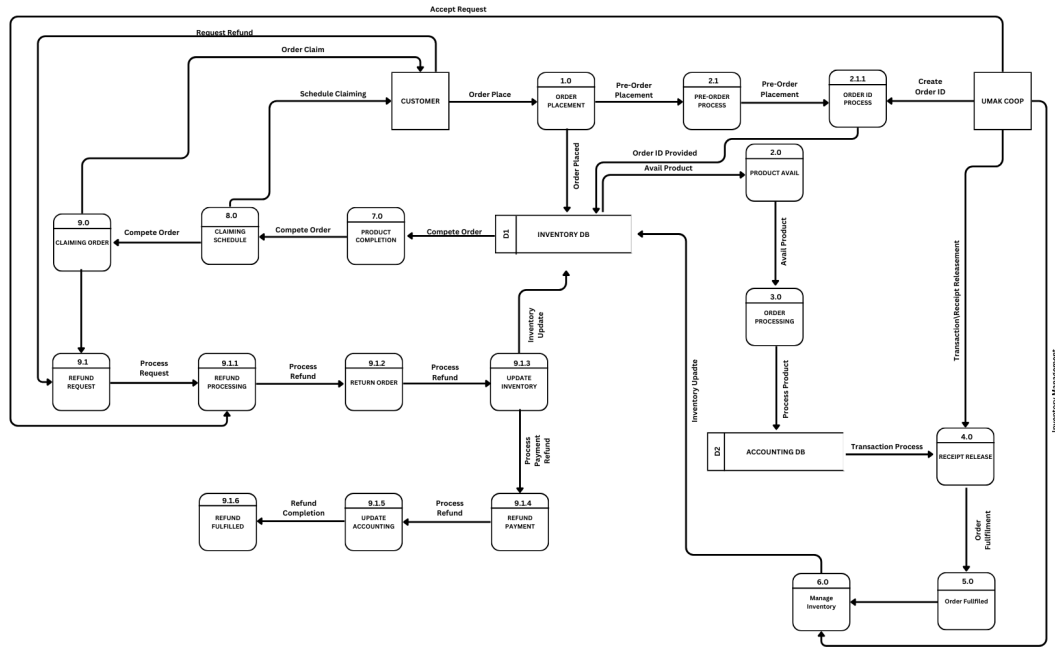
Additional:
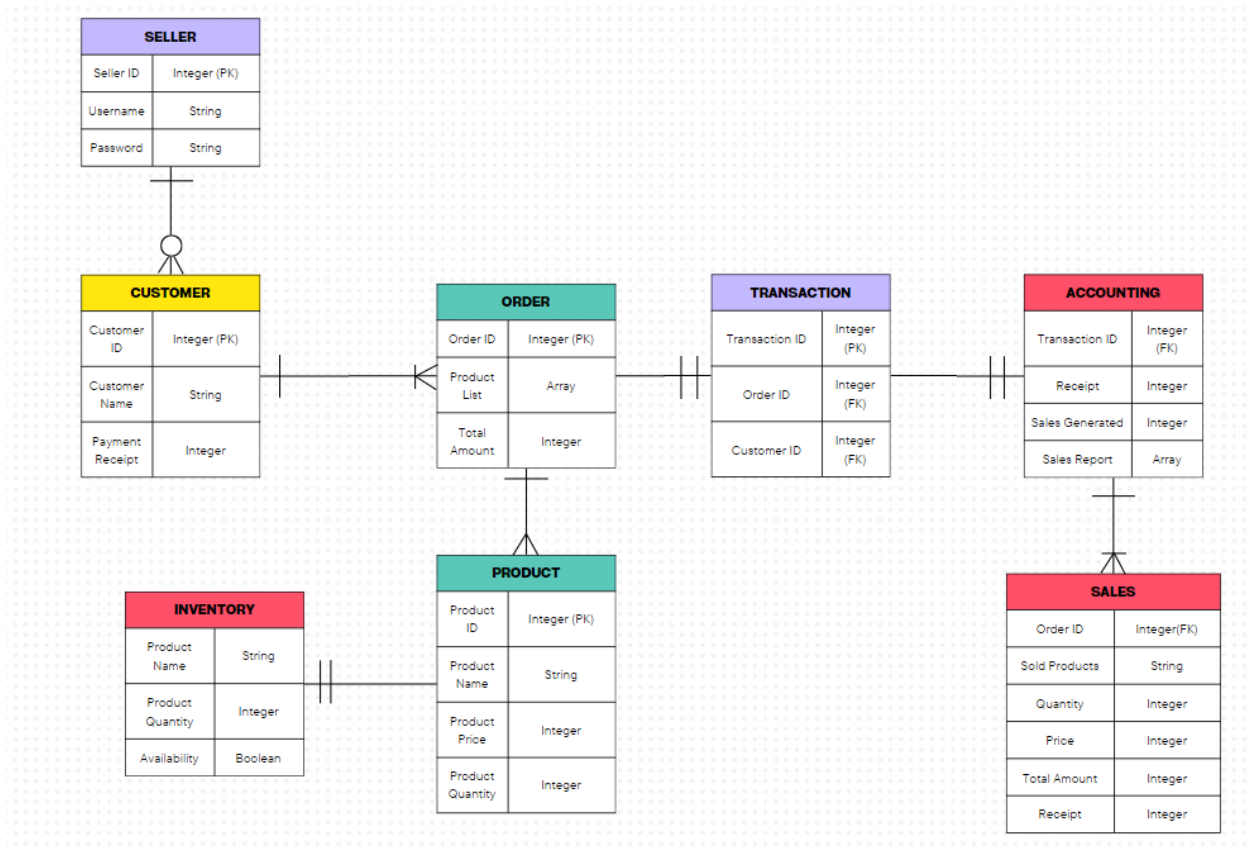- 7 days warranty (NO return , NO Exchange Policy)

DFD 0

https://www.canva.com/design/DAGD5V0e-_g/gh4j5wkMcHCtFOQtIOm5bg/edit?utm_content=DAGD5V0e-_g&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton

DFD 1

ERD

References:
https://fairtrade.dti.gov.ph/faq/is-no-return-no-exchange-policy-allowed/