USER MANUAL (MANUFACTURERS GUIDE)

This is the dashboard for the Automatic Order Processing System.

The dashboard has 4 panels - order, inventory, analytics and chatbot

The landing page of the dashboard is the order tab

Order Tab

The order tab displays all the customer and order information and has the following data -

1. A table with the following columns -
     a. Serial Number
     b. Order ID
     c. Customer Name
     d. Status of the order - Status can be Processing, Pending or Completed and has a drop down box through which the Status can be changed
     e. Order Date
     f. Deadline Date of the order
2. A filter orders a search box above the table through which data from the table can be filtered from any of the column parameters.
3. At the top right side, there is an export data button through which we can download the order table data in an excel or csv format.
4. At the bottom left side, statistic is shown how many entries are being shown in current table page and how many total entries are there in the table
5. At the bottom right side, there is a navigation panel for the table with table page number and previous and next.

Inventory Tab

The inventory tab contains details about the inventory of the manufacturer and has the following data -

1. A table with the following columns-
     a. Product ID
     b. Name - Name of the product
     c. Category
     d. Price
     e. Quantity
     f. Supplier - Name of supplier

     g.   Last Restocked - Date of last restocking of product

     h.   Actions tab which has 2 options - edit and delete
           Edit option can be used to edit any column data of any entry
           Delete option can be used to delete any row of an entry in the table

2. Total Products above the table which gives number of types of products in the table
3. Low Stock Items above the table which gives a number of products that have a quantity below a certain threshold.
4. Total Value above the table which gives total monetary value of the inventory.
5. Categories above the table which gives number of categories of the products in the inventory
6. On the top right, there is a search box through which data from the table can be filtered from any of the column parameters.
7. Add Product button on the top left, by which new products can be added to the inventory by giving all appropriate table column entries.
8. Forecasting button on the top right which predicts the product demands for more efficient inventory management. Based on order trends and inventory movement the forecasting predicts recommended stock for each product, and if any restock is necessary, along with unitary value.
9. Price Adjustment button on the top right which performs dynamic pricing for the products.Based on order trends and inventory movement, new prices for the products are suggested based on the demand and supply
10. Deadstock button on the top right provides deadstock analysis. Based on order trends and inventory movement, products are flagged which are no longer in demand or not selling as expected or are slow moving in the inventory.The deadstock products are further categorized into 3 labels - low, moderate and excess.

Analytics Tab

The analytics tab displays customer analysis and product analysis as follows -

     Customer => 1) Most frequent Customers (Loyal Customer)

     2)Top 10 customers by spending

     3)Order Trends

     Product => 1) Best and Worst selling products 2) Revenue per day 3) Customer Feedback

Chatbot Tab

The chatbot tab provides a chatbot interface with a search bar at the bottom for the manufacturer to ask questions -

1. Order related queries can be asked. The chatbot takes into account all the order data to formulate an answer
2. Inventory related queries can be asked. The chatbot takes all the inventory data and analytics to answer the query
3. Analytics related queries can be asked. All the customer and products analytics are taken by the chatbot to answer any questions by the manufacturers.
4. The chatbot also answers queries regarding general navigation of the dashboard. The manufacturer can ask questions like, How do i edit the order entry? And the chatbot provides appropriate navigation to go the particular section for the same.

Orders Tab

Features:

- **Order Details Table**: Displays order information, including:
    - Serial Number (S.No)
    - Order ID
    - Customer Name
    - Status (Processing, Pending, etc.)
    - Order Date
    - Deadline Date
- **Filtering**: Allows users to filter orders based on different criteria.
- **Share Button**: Enables sharing order data.
- **Export Data Button**: Facilitates exporting data for further analysis or record-keeping.

User Actions:

1. Filter orders by status or date.
2. Share selected order details via the Share button.
3. Export the table data in CSV or other formats using the Export Data button.

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2. Inventory Management Tab

Features:

- **Add Product**: Allows adding new products to the inventory.
- **Forecasting**: Predicts inventory demand based on historical data.
- **Price Adjustment**: Modifies product pricing.
- **Inventory Details Table**: Contains the following columns:
    - Product ID
    - Product Name
    - Category
    - Price
    - Quantity
    - Reorder Point
    - Supplier
    - Last Restocked
    - Action (Edit/Delete)

User Actions:

1. Add new products with the 'Add Product' button.
2. Adjust prices and forecast demand.
3. Track stock levels and reorder points.
4. Edit or delete entries using the Action column.

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3. Analytics Tab

Features:

- **Customer Analysis**: Provides insights into customer behavior and preferences.
- **Product Analysis**: Analyzes product performance and sales trends.

User Actions:

1. Select Customer Analysis for customer-centric metrics.
2. Choose Product Analysis for sales and inventory performance.

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4. Chatbot Tab

Features:

- **Search Bar**: Allows users to ask questions and get quick responses.

User Actions:

1. Enter queries related to orders, inventory, or analytics.
2. Receive instant feedback and suggestions.