User Story

# Management Page:

 1. View product inventory list: As a store manager

I want to see a complete list of all products in the inventory

So that I can monitor our current stock levels and product details

Acceptance Criteria:

- I can access the inventory list through the management page

- I can view each product's name, product line, quantity, and price

- The list should display all products currently in the database

- The information should be retrieved using the GET /api/inventory endpoint

2. Add new product to inventory As a store manager

I want to add new products to the inventory system

So that I can keep track of new merchandise

Acceptance Criteria:

- I can access a form to add new products

- I must provide product name, product line, quantity, and price

- The system should automatically assign a product ID and creation timestamp

- The new product should be added using the POST /api/inventory endpoint

- I should receive confirmation when the product is successfully added

3. Update product information As a store manager

I want to modify existing product details

So that I can keep product information accurate and up-to-date

Acceptance Criteria:

- I can select any product from the inventory list to edit

- I can modify the product name, product line, quantity, and price

- Changes should be saved using the PUT /api/inventory/{id} endpoint

- I should receive confirmation when updates are successful

- The system should maintain the original product ID

4. Remove product from inventory As a store manager

I want to remove products from the inventory

So that I can maintain an accurate catalog of available items

Acceptance Criteria:

- I can select products to remove from the inventory list

- The system should prompt for confirmation before deletion

- Deletion should be performed using the DELETE /api/inventory/{id} endpoint

- I should receive confirmation when the product is successfully removed

- The system should handle related sales order items appropriately due to the CASCADE delete

5. View individual product details As a store manager

I want to view detailed information about specific products

So that I can review individual item information quickly

Acceptance Criteria:

- I can select any product to view its complete details

- The system should retrieve the information using GET /api/inventory/{id}

- I should see all product information including ID, name, product line, quantity, price, and creation date

- The view should be easily accessible from the main inventory list

Visualization Page:

1. View sales performance dashboard

As a store manager

I want to view a sales performance dashboard

So that I can analyze sales trends and make informed business decisions

Acceptance Criteria:

- I can access the dashboard from the management page

- The dashboard displays visualizations such as charts and graphs

- I can view sales data by product line, order status, and time period

- The data is retrieved from the sales\_order and sales\_order\_items tables

- The dashboard updates dynamically as new sales data is added

- I can filter the visualizations by date range and product line

- The system should provide insights into top-selling products and revenue trends