

DAY 2 PLANNING THE TECHNICAL FOUNDATION

Category-Specific Instructions:

1. Product Browsing

- **Workflow:**

Customers browse the available products across different categories (e.g., Fresh Produce, Bakery, Dairy). They can filter products by type, price, rating, etc.

- **Example Endpoint:**

- **Endpoint Name:** `/products`

Method: `GET`

Description: Fetch the list of all available products from the database (e.g., Sanity).

- **Response:** A list of products with ID, name, price, stock, image, and category.

2. Cart Management

- **Workflow:**

After browsing, customers add products to their cart. They can view, modify (increase/decrease quantity), or remove items.

- **Example Endpoint:**

- **Endpoint Name:** `/cart`
 - **Method:** `POST`
 - **Description:** Add a product to the customer's shopping cart.
 - **Payload:** Product ID, quantity.
 - **Response:** Cart details (ID, items, total price).
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- **Endpoint Name:** `/cart`
 - **Method:** `GET`
 - **Description:** Fetch the current contents of the cart.
 - **Response:** Cart details with products, quantities, and total price.

3. Order Placement

- **Workflow:**

Once the cart is ready, customers proceed to checkout, providing their address, payment details, and confirming the order.

- **Example Endpoint:**

- **Endpoint Name:** `/orders`
- **Method:** `POST`

- **Description:** Place a new order for the items in the cart.
 - **Payload:** Customer information (name, address), cart details, payment info.
 - **Response:** Order confirmation (order ID, status, estimated delivery date).
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- **Endpoint Name:** `/orders`
 - **Method:** `GET`
 - **Description:** Fetch order details after placement.
 - **Response:** Order ID, status, items, total cost, and payment status.

These endpoints and workflows cover the key areas of product browsing, cart management, and order placement in my general e-commerce platform.

