**✅ 1. Decrease Product Quantity (On Order Placement)**

* **API:** PUT /api/products/decreaseQuantity/{productId}/{quantity}
* **Purpose:**
  + This will be called by **Order Service** when an order is **PLACED**.
  + It will reduce the **Product Quantity**.
  + If the **quantity is insufficient**, it will return an error.

**✅ 2. Increase Product Quantity (On Order Cancellation)**

* **API:** PUT /api/products/increaseQuantity/{productId}/{quantity}
* **Purpose:**
  + This will be called by **Order Service** when an order is **CANCELLED**.
  + It will increase the **Product Quantity** based on the cancelled quantity.

**✅ 3. Check Product Availability (Optional)**

* **API:** GET /api/products/checkAvailability/{productId}
* **Purpose:**
  + This is optional but useful.
  + It will allow **Order Service** to check if the product is available or out of stock.

👉 I'll now modify the **Product Service** and add these APIs. 🚀

Edited Product Service

Answer in chat instead

✅ **Product Service** now has the following APIs:

1. 🚀 **Decrease Quantity:** /decreaseQuantity/{productId}/{quantity} → Called when the order is placed.
2. 🚀 **Increase Quantity:** /increaseQuantity/{productId}/{quantity} → Called when the order is cancelled.
3. 🚀 **Check Availability:** /checkAvailability/{productId} → Check product availability.

👉 **Next Step:** Shall I now modify the **Order Service** to call these APIs using **RestTemplate** or **FeignClient**? 🚀

Exception Part:

com.mall.demo5.exception

│

├── ProductNotFoundException.java

├── ProductOutOfStockException.java

├── GlobalExceptionHandler.java ✅ (NEW)

├── ErrorResponse.java ✅ (NEW)