

System Design Requirements:

Customer Details

- Full name
- Email address
- Shipping address
- Phone number
- Account username & password (for login)
- Payment method (credit/debit card, PayPal, etc.)

Product Information

- Product ID
- Name of item
- Description (condition, size, color, era)
- Category (clothing, accessories, home goods, etc.)
- Price
- Quantity in stock
- Date added
- Product images

Sales Transactions

- Order ID
- Customer ID
- Date/time of purchase

- Items purchased (with quantities and prices)
- Shipping method
- Total amount
- Payment status
- Order status (processing, shipped, delivered)

Other Possible Data

- Product reviews/ratings
- Wishlist or favorites
- Shopping cart data
- Return/refund requests
- Discount codes or promotions

Process Documentation:

I began by considering what a normal customer would require in order to browse, buy, and get things from a vintage e-commerce site in order to decide what to include in my online vintage store project. I looked at websites of clothing brands I like such as Nike, Supreme, and Adidas. I then focused on the elements they provide, like product descriptions, customer profiles, and payment methods.

I also considered what information is required to track orders, manage inventory, and respond to customer support concerns from the viewpoints of the admin and seller. As a result, I added functionality like order statuses, stock levels, and product categories.

Additionally, I included fundamental e-commerce features including user identification, the checkout process, and a shopping cart. Given that condition and uniqueness varies for secondhand goods, I added the opportunity for users to view thorough product photographs and descriptions as well as the ability to give reviews because I know that consumer happiness and trust are especially crucial when it comes to antique things. In order to link the requirements with practical demands and usability best practices, I made sure that all of the data gathered supported the consumer journey as well as the internal operations of the company.