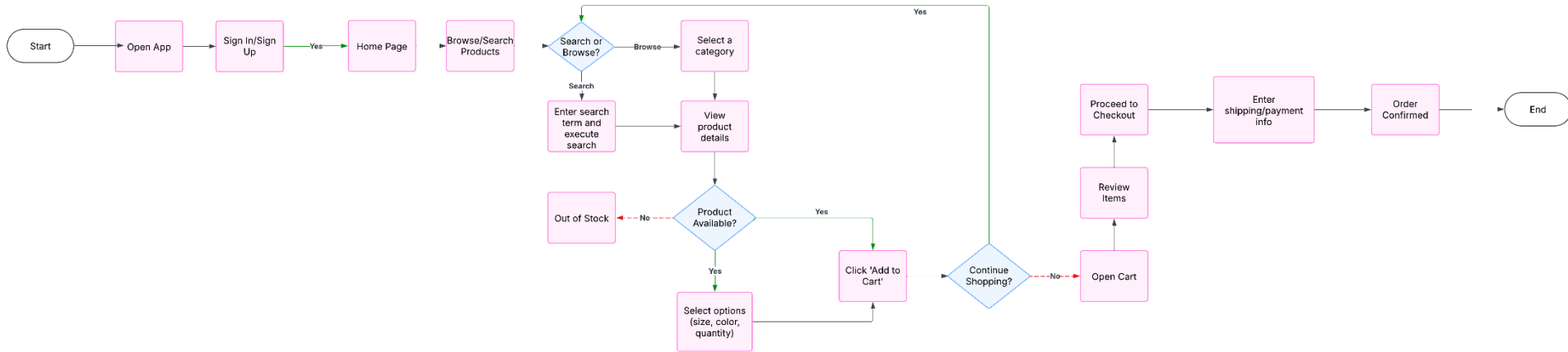


E-Commerce Application



Task Analysis:

- Opening the App & Authentication
- Browsing or Searching for Products
- Adding a Product to the Cart
- Checking Out

Process Flow:

1. Opening the App & Authentication

- Start: User launches the application.
- Open App: App opens to the welcome screen.
- Sign In/Sign Up: User logs in or creates an account.
- Home Page: If authenticated, user lands on the home page.

Flow: Start → Open App → Sign In/Sign Up → Home Page

2. Browsing or Searching for Products

Browsing Products

- Browse/Search Products: User chooses to browse categories.
- Select a Category: User selects a product category.
- View Product Details: User views detailed information about a product.
- Check Availability: The system checks if the product is in stock.

Flow: Browse/Search Products → Select a Category → View Product Details → Check Availability

Searching for a Specific Product

- Search or Browse Decision: User selects the search option.
- Enter Search Term: User types a product name or keyword.
- Execute Search: The system returns matching results.

- View Product Details: User selects a product to see details.
- Check Availability: The system checks if the product is in stock.

Flow: Search or Browse? → Enter Search Term → Execute Search → View Product Details → Check Availability

3. Adding a Product to the Cart

- Product Available?: System checks if the product is available.
- If No, the system displays "Out of Stock" and the flow stops.
- If Yes, the user selects product options (size, color, quantity).
- Add to Cart: User clicks "Add to Cart".
- Continue Shopping Decision: User decides whether to continue shopping or proceed to checkout.

Flow: Product Available? → (Yes) → Select Options → Add to Cart → Continue Shopping Decision

4. Checking Out

- Open Cart: User taps on the cart icon.
- Review Items: User checks all products in the cart.
- Proceed to Checkout: User confirms readiness for payment.
- Enter Shipping/Payment Info: User provides shipping and payment details.
- Order Confirmed: The system confirms a successful order.

Flow: Open Cart → Review Items → Proceed to Checkout → Enter Shipping/Payment Info → Order Confirmed