User Manual — E-commerce Application (Demo Version)

Document Purpose

This manual describes the procedure for using the demonstration application, detailing the flow for exploring products, managing the shopping cart, and completing a simulated transaction.

1. Application Overview

The application is designed following a sequential flow structured as follows:

- **Catalog (Homepage):** Product exploration, with options for filtering by category and searching by name.
- **Shopping Cart:** Review of selected items, modification of quantities, and confirmation of selection.
- **Checkout (Simulated Payment Process):** Registration of shipping information and payment details (simulated).
- **Purchase Confirmation:** Display of a confirmation notification and automatic return to the catalog.

2. Homepage: Product Catalog

Upon accessing the application, the product catalog will be presented as the main screen.

2.1. Pagination

- 8 products are shown per page.
- Pagination controls (navigation arrows) are located in the upper right corner.
- Pagination buttons will automatically be disabled when no more pages are available in the corresponding direction.

2.2. Filtering by Categories

- A category bar is located below the header (or at the top of the catalog content).
- Upon selecting a category, the catalog will automatically update to show only the corresponding products.

2.3. Product Cards

Each product is represented by a card that includes:

- Product image.
- Title (if excessively long, it will be truncated with an ellipsis).
- Rating and additional information.

- Price.
- Action buttons:
  - "Details": To access extended product information.
  - "Add to Cart": To add the product to the shopping cart.

Tip: Positioning the cursor over the title (or tapping it on touch devices) will display the full product name.

3. Header and Search Functionality

The header includes direct access to the search, shopping cart, and authentication functions.

3.1. Search

- The search field allows locating products using textual terms (e.g., by name).
- This functionality is only available in the catalog view.
- On mobile devices, the search field is represented by an icon; selecting it will expand the corresponding field.

4. Authentication (Modal)

- Authentication is performed via a modal (pop-up window), without a separate login page.
- It is possible to browse the catalog and add products to the cart without authenticating.
- Upon attempting to access the shopping cart without having logged in:
  - The application will display a message requesting authentication.
  - The user will be redirected to the home page (/) to log in from the modal.

5. Shopping Cart

Once authenticated, the user can access the shopping cart to confirm their selection.

5.1. Cart Features

- Viewing the list of added products.
- Adjusting quantities per product.
- Removing products from the cart.
- Calculation and display of the subtotal and total purchase amount.

5.2. Restrictions

- Access to the shopping cart requires prior authentication.
- If the cart is empty, the application will display a corresponding status with a suggestion to return to the catalog.

6. Checkout (Simulated Payment Process)

From the shopping cart, the user can proceed to checkout to complete the simulated purchase.

6.1. Forms

The checkout includes two simulated forms:

- **Shipping Details:**
  - Required fields: First Name, Last Name, Address, City, Postal Code.
  - All fields must be completed with valid information.
- **Payment Details:**
  - Required fields: Cardholder Name, Card Number.
  - The data is required to comply with a valid format.

6.2. Transaction Processing

- Upon submitting the payment information, a loading indicator (spinner) will be displayed for a few seconds.
- Possible outcomes:
  - **Success:** A confirmation notification will be displayed, and the application will automatically redirect to the catalog.

7. Notifications and System Messages

The application uses "toast" style notifications to inform the user about:

- Successful authentication or logout.
- Network errors or data loading failures.
- Action confirmations (e.g., purchase completed).

These notifications appear at the top of the screen without interrupting the main flow.

8. Loading States

In certain operations, the application displays a loading indicator (spinner) to improve the user experience:

- During the initial loading of the catalog (products and categories).
- While the transaction is being processed in the checkout.