Hackathon Task #4

Add to Cart Functionality Documentation:

Objective

To implement an **Add to Cart** feature that allows users to select products and store them in a cart. Users can also remove products, and the cart will display an appropriate message when empty.

Features Overview

Add to Cart Functionality

1. **Product Addition**:
   - The "Add to Cart" button is displayed on the product page.
   - When a user clicks the button, the selected product is saved to the cart.
   - The cart dynamically updates to reflect the added product.
2. **Cart Display**:
   - The cart is visually accessible and shows all added products in a list format.
   - The first image displays the cart UI, showcasing the added products.
3. **Product Removal**:
   - Each product in the cart has a "Remove" option.
   - When a product is removed, it is deleted from the cart.
   - The cart dynamically updates to reflect the changes.
4. **Empty Cart Message**:
   - If all products are removed from the cart, the cart displays the message: **"Your cart is empty."**

Implementation Steps

1. Product Addition

- **Button Integration**: An "Add to Cart" button is placed on each product card or details page.
- **State Management**:

- The cart functionality uses a state management technique React Hook to store the product data.
- On clicking the button, the product details (e.g., ID, name, price) are added to the cart state.

2. Cart Display

- **Dynamic Rendering**:

  - The cart component renders the list of products dynamically based on the cart's state.
  - Each product is displayed with its name, quantity, and price.

3. Product Removal

- **Remove Button**:

  - Each product in the cart has a "Remove" button.
  - When clicked, the product is deleted from the cart state.
  - A re-render ensures the product is no longer visible in the cart.

4. Empty Cart State

- **Conditional Rendering**:

  - When the cart state is empty, the message **"Your cart is empty"** is displayed.
  - This ensures users are informed of the cart's status.