

# Task 4

## 1.Task Description:

Create a shopping cart component where users can add, remove, and update items along with their quantities. This cart component mimics basic e-commerce functionality.

## 2.Task Output Screenshot

React Shopping Cart

Shopping Cart

Add Item 1 Add Item 2

Your cart is empty.

React Shopping Cart

(Hover effect)

Shopping Cart

Add Item 1 Add Item 2

Your cart is empty.

# React Shopping Cart

## Shopping Cart

Add Item 1 Add Item 2

Item 1 (Quantity: 1)

1 Remove

Item 2 (Quantity: 1)

1 Remove

# React Shopping Cart

## Shopping Cart

Add Item 1 Add Item 2

Item 1 (Quantity: 1)

1 Remove

Item 2 (Quantity: 3)

3 Remove

## React Shopping Cart

### Shopping Cart

Add Item 1 Add Item 2

Item 1 (Quantity: 1)

1 Remove

Item 2 (Quantity: 3)

3 Remove

After Remove the item.

## React Shopping Cart

### Shopping Cart

Add Item 1 Add Item 2

Item 1 (Quantity: 1)

1 Remove

### 3.Widget/Algorithm Used In Task

- a. useState Hook:** Manages the state of the items in the cart, including their quantities and prices.
- b . Array Methods (map, filter):** Used to handle cart operations, such as adding a new item, removing an item, or updating quantities.
- c. Event Handlers:** Handle user interactions for adding, updating, and removing items.
- d. Conditional Rendering:** Displays cart contents dynamically based on the items added by the user.