Day- 8: CW

1.App.js

```javascript
import React, { useState, useEffect } from 'react';

const App = () => {
  const [message, setMessage] = useState("Hello dear one. learning React...?");

  useEffect(() => {
    console.log('useEffect hook called');

    const timeoutId = setTimeout(() => {
      setMessage("Great.... This is time to learn about HOOKS");
    }, 2000);


    return () => clearTimeout(timeoutId);

  }, []);

  return (
    <div>
      <p>{message}</p>
    </div>
  );
};

export default App;
```

2.PAH:

App.js:

```javascript
import React, { useReducer } from 'react'

const cartReducer = (state, action) => {
  switch (action.type) {
    case 'ADD_TO_CART':
      return {
        ...state,
        cart: [...state.cart, action.payload],
      };
```

```jsx
      case 'REMOVE_FROM_CART':
        return {
          ...state,
          cart: state.cart.filter(item => item.id !== action.payload),
        };
      default:
        return state;
  }
};

const App = () => {

  const [state, dispatch] = useReducer(cartReducer, { cart: [] });

  const addToCart = (item) => {
    dispatch({ type: 'ADD_TO_CART', payload: item });
  };

  const removeFromCart = (itemId) => {
    dispatch({ type: 'REMOVE_FROM_CART', payload: itemId });
  };

  return (
    <div>
      <h1>My E-Commerce App</h1>

      <div>
        <h2>Product List</h2>

        <ul>

          <li>
            Apple - $20
            <button onClick={() => addToCart({ id: 1, name: 'Apple ', price:
20 })}>
              Add to Cart
            </button>
          </li>
          <li>
            orange - $200
            <button onClick={() => addToCart({ id: 1, name: 'orange', price:
200 })}>
              Add to Cart
            </button>
          </li>
          <li>
            Banana- $20
```

```jsx
          <button onClick={() => addToCart({ id: 1, name: 'Banana', price:
40 })}>
            Add to Cart
          </button>
        </li>
        <li>
          Kiwi - $20
          <button onClick={() => addToCart({ id: 1, name: 'Kiwi', price: 20
})}>
            Add to Cart
          </button>
        </li>

      </ul>
    </div>

    <div>
      <h2>Your Cart</h2>

      <ul>
        {state.cart.map(item => (
          <li key={item.id}>
            {item.name} - ${item.price}
            <button onClick={() => removeFromCart(item.id)}>
              Remove from Cart
            </button>
          </li>
        ))}
      </ul>
    </div>
  </div>
  );
};

export default App;
```