



```
const initialState = {
  cartItems: [],
  total: 0,
  quantity: 0
}

const cartSlice = createSlice({
  name: 'cart',
  initialState,
  reducers: {
    addToCart: (state, action) => {
      state.cartItems.push(action.payload);
      state.total += action.payload.price;
      state.quantity++;
    },
    increment: (state, action) => {
      const item = state.cartItems.find(p => p.id === action.payload);
      item.quantity++;
      state.total = state.cartItems.map(item => item.amount).reduce((v1, v2) => v1 + v2, 0.0);
    },
    clearCart: (state) => {
      state.cartItems = [];
      state.total = 0;
      state.quantity = 0;
    }
  }
})

export const cartReducer = cartSlice.reducer
export const {addToCart, increment, clearCart} = cartSlice.actions

const store = configureStore({
  // similar to combineReducers --> Root Reduces
  reducer: {
    cart: cartReducer,
    profile: profileReducer
  }
})

{
  cart: {
    cartItems: [],
    total: 0,
    quantity: 0
  },
  profile: {
    avatar: 'banu.png',
    name: 'Banu Prakash'
  }
}
```

```
const initialState = {
  avatar: "banu.png",
  name: "Banu Prakash"
}

const profileSlice = createSlice({
  name: 'profile',
  initialState,
  reducers: {}
});

export const profileReducer = profileSlice.reducer
```

```
const initialState = {
  cartItems: [],
  total: 0,
  quantity: 0
}

const cartSlice = createSlice({
  name: 'cart',
  initialState,
  reducers: {
    addToCart: (state, action) => {
      state.cartItems.push(action.payload);
      state.total += action.payload.price;
      state.quantity++;
    },
    increment: (state, action) => {
      const item = state.cartItems.find(p => p.id === action.payload);
      item.quantity++;
      state.total = state.cartItems.map(item => item.amount).reduce((v1, v2) => v1 + v2, 0.0);
    },
    clearCart: (state) => {
      state.cartItems = [];
      state.total = 0;
      state.quantity = 0;
    }
  }
})

export const cartReducer = cartSlice.reducer
export const {addToCart, increment, clearCart} = cartSlice.actions

const initialState = {
  avatar: "banu.png",
  name: "Banu Prakash"
}

const profileSlice = createSlice({
  name: 'profile',
  initialState,
  reducers: {}
});

export const profileReducer = profileSlice.reducer
```

State

```
{
  cart: {
    cartItems: [],
    total: 0,
    quantity: 0
  },
  profile: {
    avatar: 'banu.png',
    name: 'Banu Prakash'
  }
}
```

ProductCard

```
import { useDispatch } from 'react-redux'
let dispatch = useDispatch();
import {addToCart} from '../redux/cartSlice'

<FontAwesomeIcon
  onClick={() => dispatch(addToCart({
    id: product.id,
    title: product.title,
    image: product.image,
    price: product.price,
    quantity: 1,
    amount: product.price
  }))}
  icon={faShoppingCart}
/>
```

action.payload