Work Flow Diagram

Initialize the Cart.
The cart will add items into it.

Bar Code

The item will be scanned by using bar code reader and it will invoke the add api.

Resolve the bar code and get the item.

Add or Remove item in to the cart by invoking the API's

Add or Remove more items

Yes

No

Proceed with checkout by invoking checkout api of CheckoutProcessor

Is Item eligible for special offer

Yes

Apply offer based on special price and quantity and get final price.

No

Prepare a Bill based on calculated price.

Print the Bill.