

# Assignment Software Construction Fundamental

## **Implementation of Shopping Cart**

Implement a Shopping Cart Using Object-Oriented Concepts in JAVA. Shopping Cart will contain items along with their quantities.

An Item should have the following fields .

- ItemId (Unique Key to identify an item).
- Name
- Description
- Price

Keep the items in memory. Use either hashMap or ArrayList for storing items and their quantities. Shopping Cart will support the following features.

- Add an item to a cart with the given quantity .
  - addToCart(Item item,Integer quantity)
- Show quantity for added item .
  - Integer displayQty(Item item)
- Update quantity of added item.
  - updateQty(Item item,Integer quantity)
- Delete Item from cart.
  - deleteItem(Item item)
- Display cart total value (Total bill Amount)
  - Double displayBill()

**Note: Please do validation upfront**