SHOPPING CART IN A PHYSICAL STORE

A shopping cart is which helps the customers to keep all the things in a place which they shopped. This help them to roam in the entire store carrying in hand and dropping few things. This shopping cart is limited say n, given in command lines depending upon the owners need. The entire program runs in view of the owner. If carts are unavailable they is a message popping up saying the customer to wait for cart. A thread will b initialised when the cart is taken by the customer. As the thread is initialised (starts)the customer in timing will pop up. The thread moves to running mode when the customer starts placing items in it. As the items are inserted the item code, item price and type must be recorded. The customers are assumed to be 5. the customer preference is set by getter and setters in Customer class. Thisdata is set and printed in main method which is present in Test class. The Product info is set in ProductInfo class and this methods data is even set in Test Class. A Cart class initializes the number of customers with thread method. The Test class Has an Array list which has added items to the cart. As the data for 5 customer is set assume to have 5 customer and have they Cart data set. The use class has the initialization of the carts. Assuming one customer has one cart. The assumptions regarding the items and types are made below:-

**Customer :-**

Teens(13-19) Middle age (20-30) Married/ Parents(30-59) Elderly(60+)

**Atrributes of customer:-** (this is set in Customer class)

Heavy shopper or light shopper

shopping time preferences.

Interest in Which Type of clothes

**Products in store:\_**

Kids wear

Formals

Causals

Fashionable/Party wear

Ethnic Wear

**Things related to Kart:-**

No. of items

type of item(code)

quantity of each item

Amount/bills

what are the item.

**Related to shop:-**

Sale in day

No. of people at particular time.

**Price:-**

kids wear ----Rs 300-Rs 500

Formals --- Rs 500-Rs 2500

Causals ---Rs 200-Rs 1500

etnic wear –Rs 1500-Rs5000

Party wear—Rs 500-Rs 3000

**BLOCK DIAGRAM OF CLASS:-**

CUSTOMER CLASS

Display()

Getter Setter for customer details

CART CLASS

Shopper ()

Run()

Start()

TEST CLASS

Main()

PRODUCT-INFO CLASS

Getter-Setter for data of product

USE CLASS

Basic ()