ASSUMPTIONS

1. CUSTOMER REGISTRATION

Basically customer registration is not required for offline supermarket simulation (any one can come to the supermarket and buy any product what he want and he leave) .But my intention behind creating customer registration are-

* In order to maintain entry and exit time of that particular customer
* Based on the registration I can provide carts to person who comes first.
* And also if I want to know at any point of time which customer is there in the supermarket.
* One more advantage is based on the customer choice I will provide products .This is done only through registration.

2. CARTS INFO

Initially I mentioned available carts fixed (I initialized available carts=some integer value). My assumption on the cart info class are-

* Registration is there so at a time more customers entering into the supermarket is not possible (one after another)
* One customer =one cart
* If carts are exhausted then customer need to wait some time.

3. PRODUCT LIST IN THE SUPERMARKET

I listed some of items in the supermarket shelves, their prices per/unit and quantity. The assumptions are-

* The number of units of item available can be input at the start of the simulation and it is a variable.
* The customer may select product or he may not select the products-if he don’t want he may exit from the supermarket.

4. BILLING –TOTAL AMOUNT

Before going to the total amount, I will give some discount based on the product (not based on the customer) which the customer is purchased.