

Story 1:

CODE ASSIGNMENT

Shopping Cart

A big retail brand, on the eve of Christmas wants to offer attractive discounts to its customers to boost their sales.

The requirement is to offer different discount rates based on the customer billing.

Discount Slabs for Customers:

Slab	Discount Percentage
\$ 0 - \$ 5,000	Nil
\$ 5,000 - \$ 10,000	10.0 %
\$ 10,000 and above	20.0 %

Build a system that will take the Purchase amount as input, calculates and outputs the final Bill amount that will be charged back to the customer.

TEST CASES

Here are the test cases for some combinations of customer type and purchase amount

Customer Type	Purchase Amount (INPUT)	Bill Amount (EXPECTED OUTPUT)
Regular	\$ 5,000	\$ 5,000
Regular	\$ 10,000	\$ 9,500
Regular	\$ 15,000	13,500

CONSIDERATIONS:

- We are looking for elegant design and solution for this problem
- The code should be extensible and maintainable
- i.e. it should be easy to
 - Add/remove new discount slabs
- Follow 10 minutes' iterations, there should be something working to demo at the end of every iteration, commit your changes on github.
- Write Unit tests to execute and verify the program