JV-114 Assignment

Object Oriented Programming Concepts

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Assignment: OOP – Billing System

In this assignment, an application 'billing system' of a retail website has to be developed in which different type of customers have different type of discount schemes. And for a given bill, a net payable amount should be generated based on the type of the customer and the product. By the time you have worked your way through the training material mentioned in the course pathway, you will see how OOPs concept can be used to build an application.

As part of your deliverables, you need to provide following:

1. Running application
2. A small write-up explaining the different OOP concept used in this application.
3. Source Code (should be refactored) of the application

OOP Assignment – Requirements

On a retail website, the following discounts apply:

- If the user is an employee of the store, he gets a 30% discount
- If the user is an affiliate of the store, he gets a 10% discount
- If the user has been a customer for over 2 years, he gets a 5% discount.
- For every $100 on the bill, there would be a $ 5 discount (e.g. for $ 990, you get $ 45 as a discount).
- The percentage based discounts do not apply on groceries.
- A user can get only one of the percentage based discounts on a bill.