

Identify Class, properties, and methods. Also implement inheritance, encapsulation, and polymorphism where needed

LAB 4

You want to develop an e-commerce website DarazLite where buyers can sell different types of products. Since it's Daraz**Lite**, you want to store mainly two types of products: Clothes and Books. You need to maintain a log where the name, quantity, description, and base price of the product are logged. There are different sizes of clothes. Books have author, publisher names, and genres. You can sell the products and calculate the total sales for each purchase.

Since the *Pohela Falgun* is just around the corner, DarazLite offers flat 10% discounts on all products. However, on Classic literature books, there is an additional 3%; on Science Fiction books there is an additional 2% discount available. In order to promote your store, you are providing a coupon (code: 1234) on social media platforms, during the processing of the order, customers can provide the coupon and get 50tk off of the whole purchase.

In the main class, display all the information of each class in a way that all the cases are covered.