

IT 206: Lab 10

Topic: Interface

You are working at Bob's Retail Store. The store sells books, DVDs, and consulting services. All items incur a 6% sales tax charge. Information associated to each thing sold is shown below using examples:

Book – Under the Dome by Stephen King [Retail Cost: \$9.95]

DVD – Casablanca, Drama Section [Retail Cost: \$14.99 + \$1.00 handling fee]

Note: The handling fee is the same for all DVDs, but may change in the future

Consulting Service – DVD Repair [Retail Cost: \$100.00 per hour]

Using solid OO design principles, simulate the purchase of the three things listed above by creating the appropriate data definition and implementation classes.

Start with the given code. Copy and paste each class into a separate file in your IDE. Then fill in ONLY the parts where comments suggest code is needed. Do not create/edit code outside of the comment blocks.

Your code must compile. If your code does not compile, a grade of 0 will be earned. No exceptions! Upload your completed .java files. Make sure you upload the .java file and not the .class file.

Grading Rubrics:

Requirements	Points
Task 1: Making changes to Book class as specified.	10
Task 2 Making changes to DVD class as specified.	15
Task 3: Making changes to ConsultingService class as specified.	30
Task 4: Making changes to Product class as specified.	15
Task 4: Making changes to Purchase class as specified.	30
Total	100