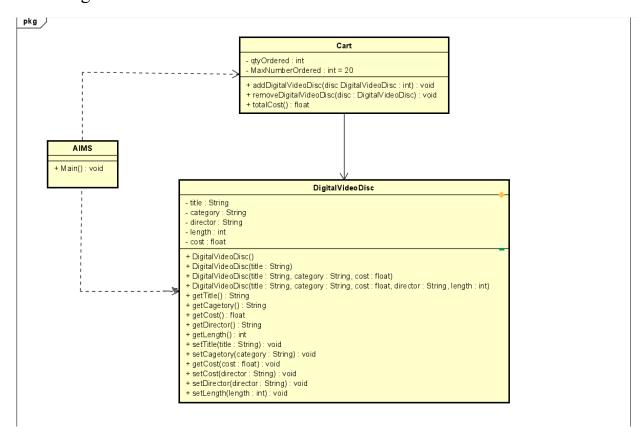
Object-Oriented Programming

Lab 02: Problem Modeling and Encapsulation

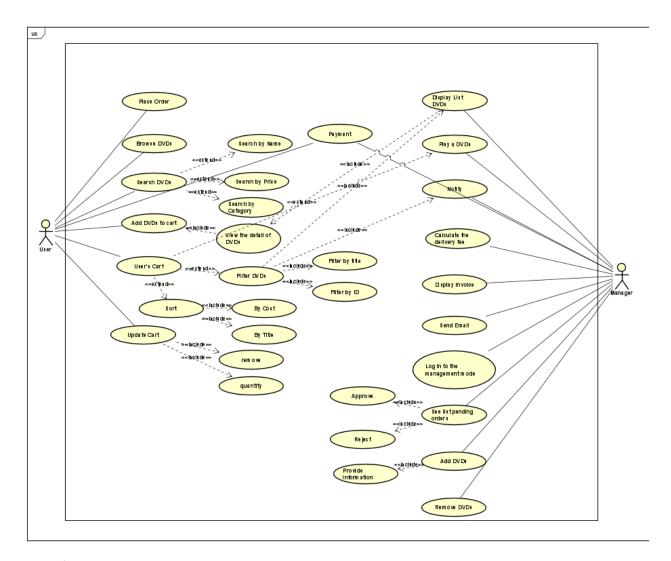
Họ và tên: Lê Bá Ngọc Hiểu

Mssv: 20225627

Class diagam:



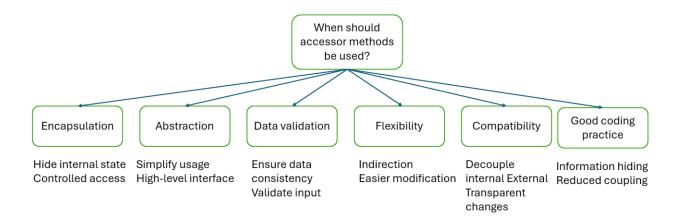
UseCase diagram:



Cart.java:

```
state of the state of the
```

Reading Assignment: When should accessor methods be used?



Question: If you create a constructor method to build a DVD by title then create a constructor method to build a DVD by category. Does JAVA allow you to do this?

Answer: Java does not allow this because both constructors would have a single String parameter, which would cause ambiguity. If you create a constructor that accepts a String for the title and another constructor that also accepts a String for the category, Java cannot determine which constructor to call. To solve this, you could either:

- 1. Use different parameter types (e.g., use String for title and int or enum for category).
- 2. Use a different parameter order if there are multiple parameters.