

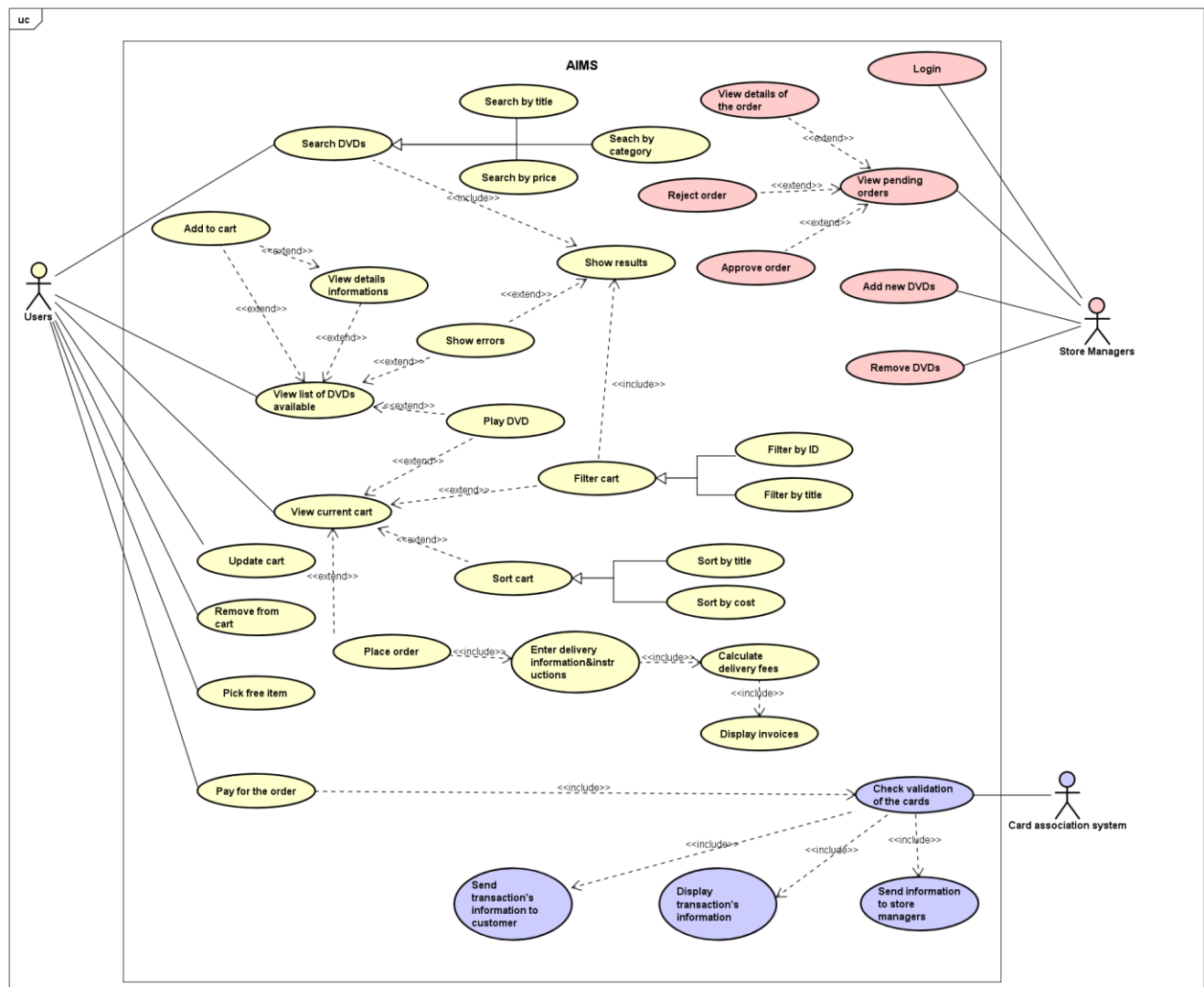
BÁO CÁO THỰC HÀNH OOP 02

Trần Khánh Quỳnh – 20225762

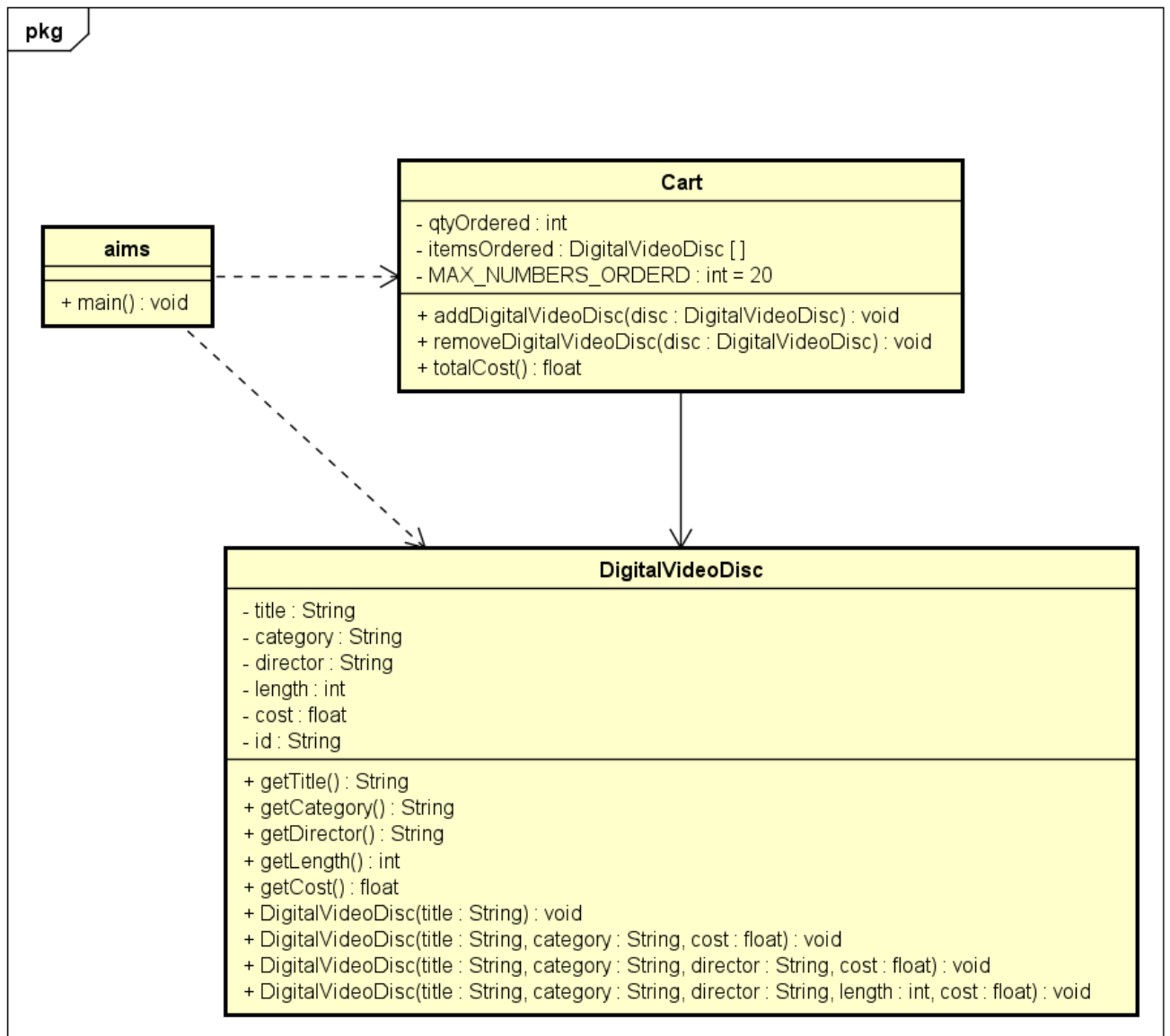
1. Folder structure

- Lab02/AimsProject:Project folder
- Lab02/AimsProject/src/aimspackage: source code
- Lab02/Design: class diagram source file (.asta) & exported image
- Lab02/Requirements: usecase diagram source file (.asta) & exported image
- Lab02/ReadingAssignment: reading assignment's answer

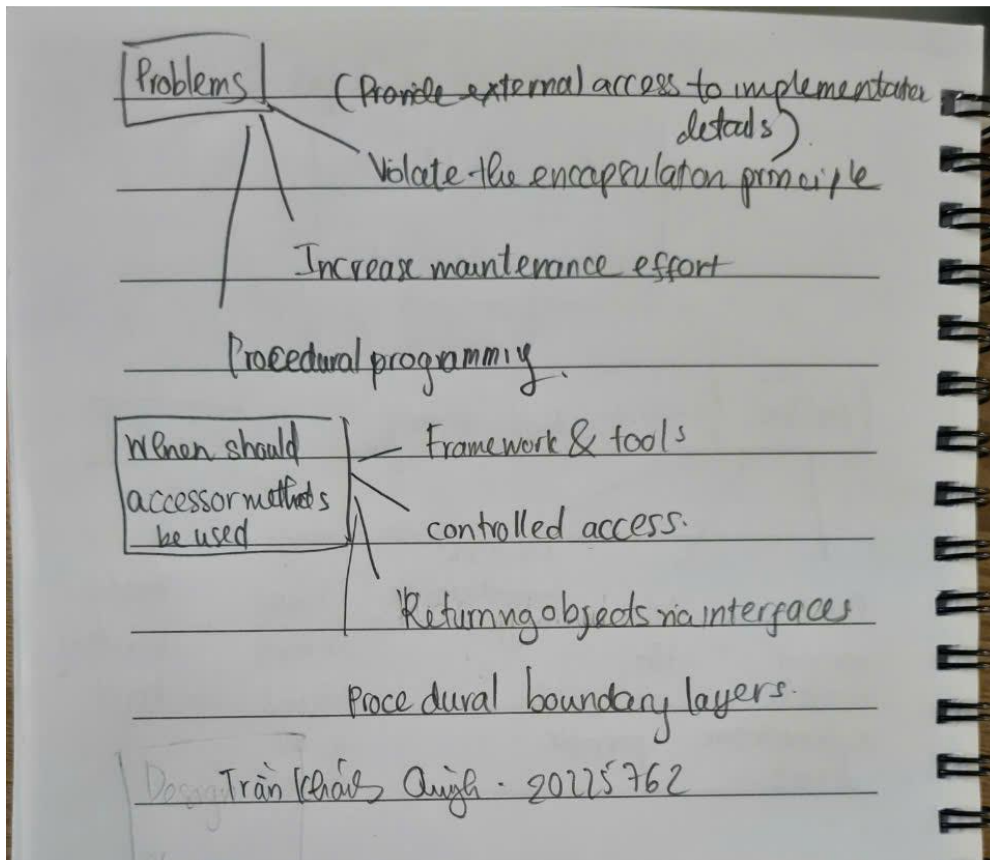
2. Usecase diagram



3. Class diagram



4. Reading assignment



5. 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: No.

Java allows you to create multiple constructors in a class, a feature known as **constructor overloading**. This means you can have multiple constructor methods with the same name (the name of the constructor is always the same as the class name) but different parameter lists (different types, number, or order of parameters).

However, if you create a constructor method to build a DVD by title then create a constructor method to build a DVD by category, this would cause a compilation error because Java cannot distinguish between these two constructors. Both have the same signature: they take a single String parameter. Even though you're using the parameters differently (one for category and one for title), Java only looks at the parameter types to differentiate between constructors.