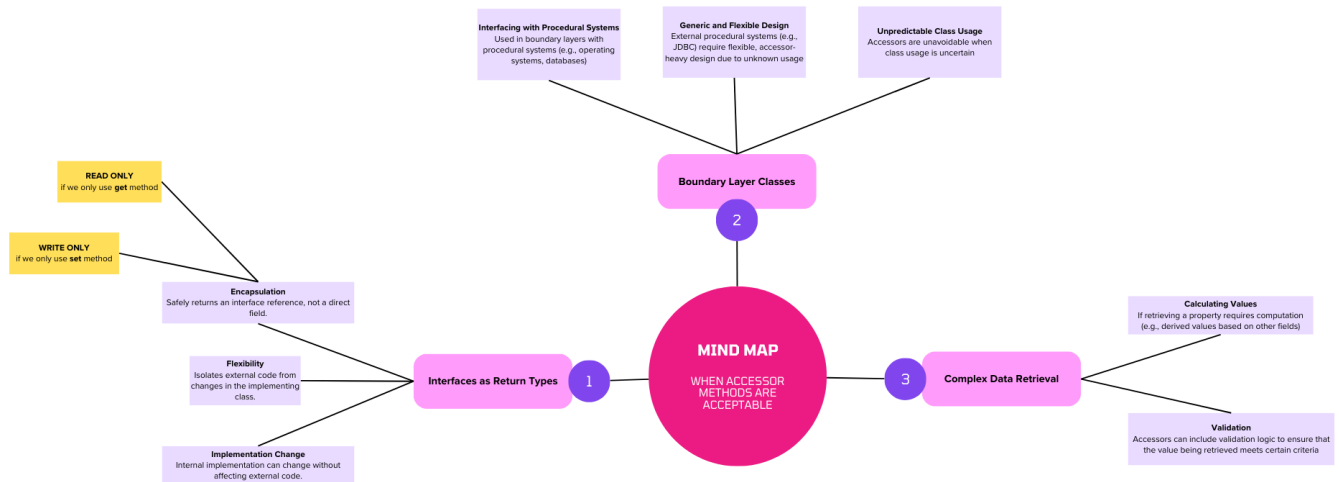


Reading Assignment

1. When should accessor methods be used?



2. 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 does not allow programmer to do this

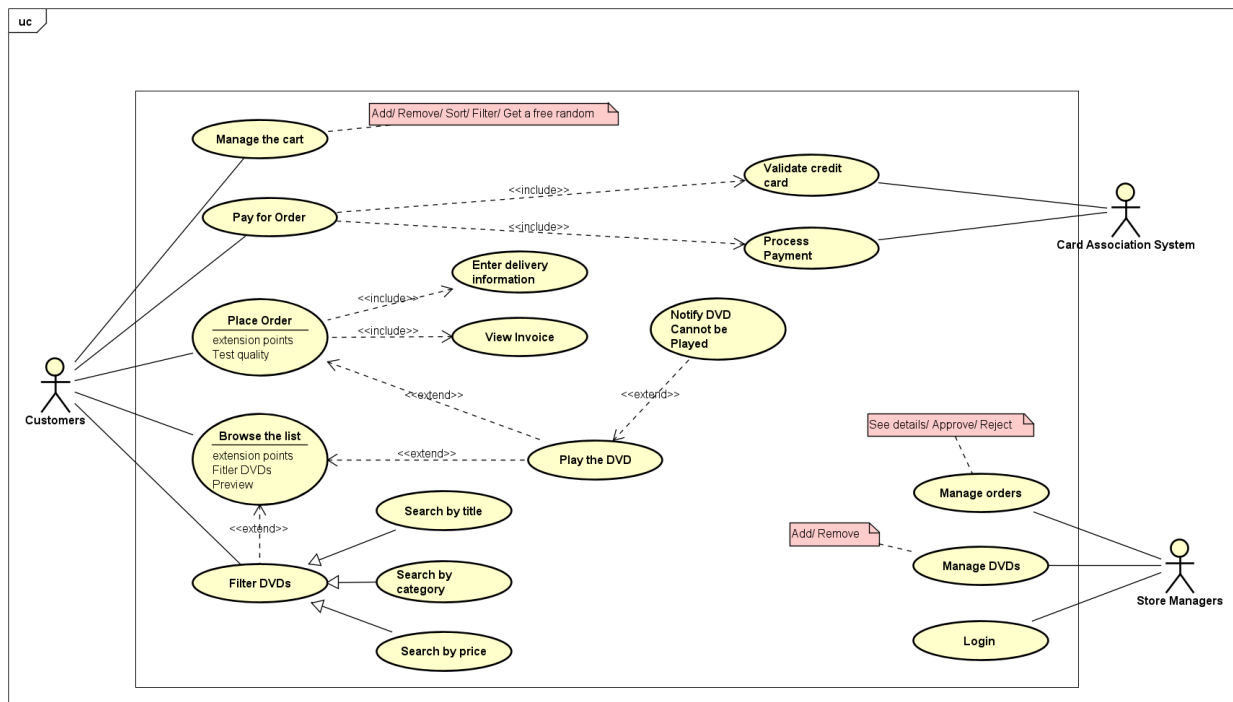
In Java, constructor overloading is allowed as long as the *signature* of each constructor is unique. Since both "title" and "category" have the same data type (String) and the constructor methods have the same number of parameter, Java would not differentiate between these two constructors because their signatures would indeed be identical (both having a single String parameter).

```
Codeium: Refactor | Explain
1 public class DVD {
2     private String title;
3     private String category;
4
5     public DVD(String title) {
6         this.title = title;
7     }
8     public DVD(String category) {
9         this.category = category;
10    }
11
12    Run | Debug | Codeium: Refactor | Explain | Generate Javadoc | X
13    public static void main(String args[]){
14        try {
15            DVD myObj = new DVD(title:"Chien");
16            System.out.println(myObj.title);
17        } catch (Exception e) {
18            e.printStackTrace();
19        }
20    }
21 }
```

PS C:\Code\Java> cd "c:\Code\Java\" ; if (\$?) { javac DVD.java } ; if (\$?) { java DVD }

DVD.java:8: error: constructor DVD(String) is already defined in class DVD
public DVD(String category) {
 ^
1 error
PS C:\Code\Java>

Usecase Diagram



Class Diagram

