

# Indholdsfortegnelse

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# Tema Design

# 1

## 1.1 Java kode eksempel

```
1 package ControlLayer;
import java.util . ArrayList;
3 //model layer package has to be imported
/**
5  * Controller class for the DVD collection
6  *
7  * @author (kbh)
8  * @version (2005.03.31)
9  * @revised version English (Ab)
10  * (FEN): 2006.03.21: Some changes to the architecture in order to assure layering
11  * and loose coupling
12  */
13 public class DVDCtr
14 {
15     //declare instance variables to reference containers
16
17
18     /**
19      * Constructor for objects of class DVDCtr
20      */
21     public DVDCtr()
22     {
23         //set up references to containers
24     }
25
26     //Dummy implementation: after implementing the model layer
27     //objects of class DVD are to be returned, not String
28     public String findDVD( int no)
29     {
30         //this method is to search the container for a DVD
31         //with an id-number equal to the parameter no
32         //when the dvd is found, the method is to call print-methods in the TUI layer
33
34         return "dvd";
35     }
36
37     //Dummy implementation: more parameters are probaly to added
38     public void createDVD(String dvd)
39     {
```

```
41      //this method constructs a new dvd object
42      //and stores it in the container
43  }
44
45  public void deleteDVD(long id)
46  {
47      //search for the dvd and delete the object from the container
48
49  }
50
51  public void createCopy(long id)
52  {
53      //create a copy of the specified dvd and add it to the dvd
54
55  }
56
57  public ArrayList listAllDvds()
58  {
59      //returns a list of all dvds and their associated copies
60      return null;
61  }
62 }
```

code/DVDCtr.java