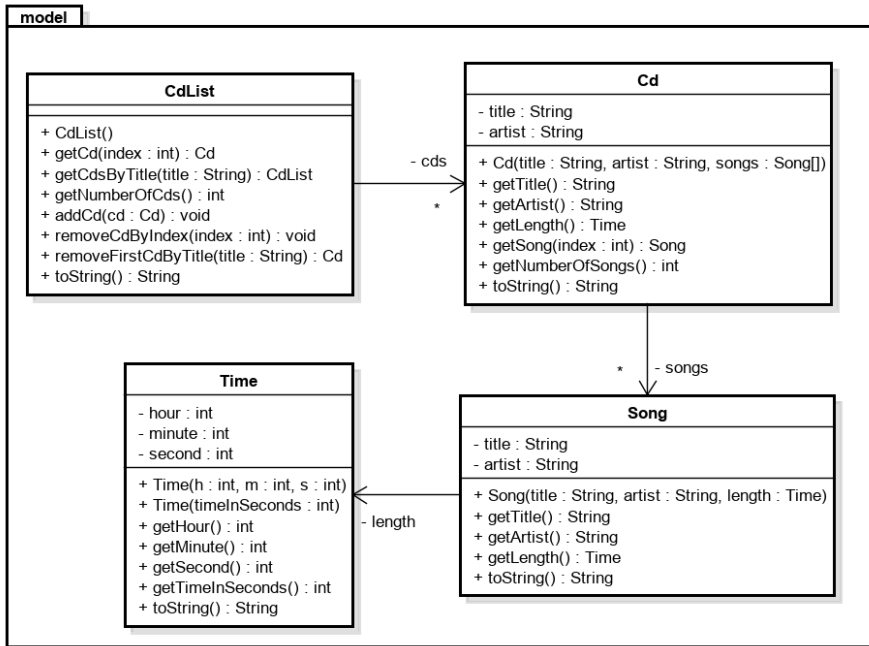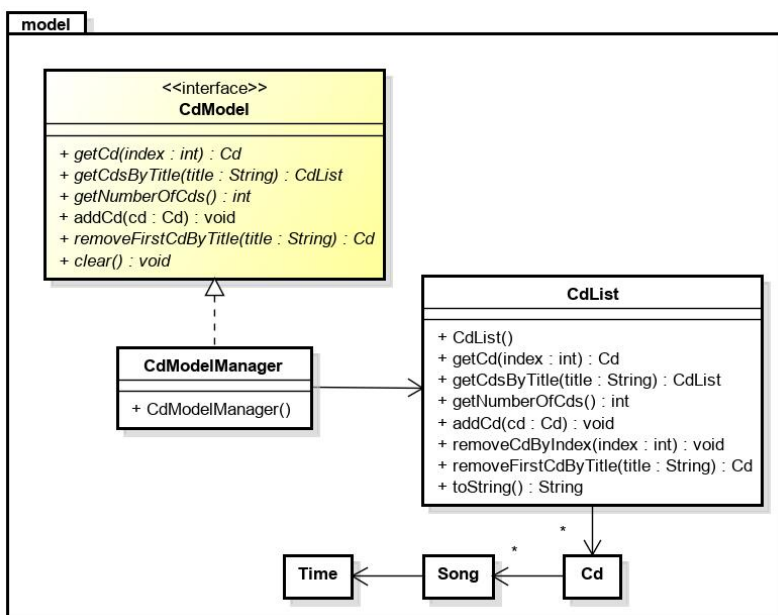# Exercises, SDJ1

Exercise: CdList – Domain Model

a) Create a Module in IntelliJ and copy files `Cd`, `Song`, and `Time` (from a previous exercise). Note it is ok if you do not have the exact same methods as shown in the class diagram below.

b) "Move" all three files into a package `model`.

c) Implement class `CdList` with the methods exactly as shown in the class diagram.

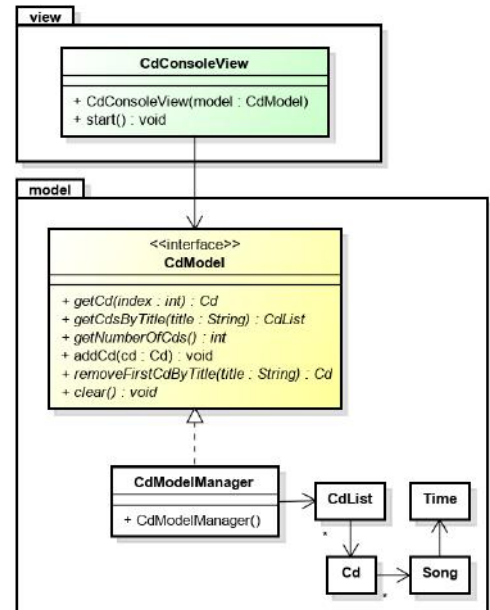## Exercise: CdList – Model interface and Model Manager

a) Create an interface `CdModel` with the methods exactly as shown in the class diagram below.

b) Implement class `CdModelManager` as shown in the class diagram below.

Exercise: CdList - ConsoleView

Modify the last exercise and create a class `CdConsoleView` (in package `view`). The class has

- Association to `CdModel`
- A constructor setting the model instance variable
- A `start` method having a loop with:
  - A menu with input for each of the methods from the interface
  - A switch to execute what to do for each menu item

Exercise: CdList - The main method

Create the following class with a main method, and run it

```
import model.CdModel;
import model.CdModelManager;
import view.CdConsoleView;

public class TestCdApplication
{
  public static void main(String[] args)
  {
    CdModel model = new CdModelManager();
    CdConsoleView view = new CdConsoleView(model);
    view.start();
  }
}
```