SKY NETWORK SERVICES

UNATTENDED PROGRAMMING EXERCISE
DVD RENTAL STORE

Contained within the test pack are five java files in com.sky.dvdstore:
- Dvd.java
- DvdRepository.java
- DvdRepositoryStub.java
- DvdNotFoundException.java
- DvdService.java

The following DVDs are stored within a test repository [reference in brackets]
- Topgun [DVD-TG423]
- Dirty Dancing [DVD-DD878]
- Shrek [DVD-S765]

Instructions

You should try and spend no more than two hours on this problem.

In this problem you are required to provide an implementation of the DvdService interface, a simple service that contains two methods.

Any of the supplied files may be changed as you see fit.

You may choose any means of accepting input and producing output, including the use of a test harness.

Requirements

Complete the implementation of the DvdService interface. The first part of the problem is to complete the following method:

        retrieveDvd(String dvdReference) throws DvdNotFoundException

Unsurprisingly, it should retrieve a DVD by its reference. However, the method must also

- Ensure that the dvdReference is prefixed by 'DVD-'
- Throw a DvdNotFoundException where appropriate

For the second method;

        getDvdSummary(String dvdReference) throws DvdNotFoundException

This method must

- Ensure that the dvdReference is prefixed by 'DVD-'
- Throw a DvdNotFoundException where appropriate
- Provide a DVD summary that concatenates the reference, the title, and the first ten words of the review followed by '...'

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Acceptance criteria

`retrieveDvd(String dvdReference)`

Input criteria	Expected output
INVALID-TEXT	Exception, informing the client that DVD reference must begin with DVD-
DVD-999	DvdNotFoundException
DVD-TG423	The topgun DVD

`getDvdSummary(String dvdReference)`

Input criteria	Expected output
INVALID-TEXT	Exception, informing the client that DVD reference must begin with DVD-
DVD-999	DvdNotFoundException
DVD-TG423	[DVD-TG423] Topgun - All action film
DVD-S765	[DVD-S765] Shrek - Big green monsters, they're just all the rage these days...