SKY NETWORK SERVICES

UNATTENDED PROGRAMMING EXERCISE

LIBRARY STORE

Contained within the test pack are five java files in com.sky.library:

- Book.java
- BookRepository.java
- BookRepositoryStub.java
- BookNotFoundException.java
- BookService.java

The following books are stored within a test repository [reference in brackets]

- The Gruffalo [BOOK-GRUFF472]
- Winnie The Pooh [BOOK-POOH222]
- The Wind In The Willows [BOOK-WILL987]

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 BookService interface, a simple service that contains two methods.

Any of the supplied files may be changed as you see fit. JavaDoc is not necessary.

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

Requirements

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

```
retrieveBook(String bookReference) throws BookNotFoundException
```

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

- Ensure that the bookReference is prefixed by 'BOOK-'

SKY NETWORK SERVICES

- Throw a BookNotFoundException where appropriate

For the second method;

`getBookSummary(String bookReference) throws BookNotFoundException`

This method must
- Ensure that the bookReference is prefixed by 'BOOK-'
- Throw a BookNotFoundException where appropriate
- Provide a book summary that concatenates the reference, the title, and the first nine words of the review. If the review is longer than nine words put an ellipsis ('...') at the end

Acceptance criteria

`retrieveBook(String bookReference)`

Input criteria	Expected output
INVALID-TEXT	Exception, informing the client that book reference must begin with BOOK-
BOOK-999	BookNotFoundException
BOOK-GRUFF472	The Gruffalo book

`getBookSummary(String bookReference)`

Input criteria	Expected output
INVALID-TEXT	Exception, informing the client that book reference must begin with BOOK-
BOOK-999	BookNotFoundException
BOOK-GRUFF472	[BOOK-GRUFF472] The Gruffalo - A mouse taking a walk in the woods.
BOOK-POOH222	[BOOK-POOH222] Winnie The Pooh - In this first volume, we meet all the friends…
BOOK-WILL987	[BOOK-WILL987] The Wind In The Willows - With the arrival of spring and fine weather outside...