

Class LibraryTest

java.lang.Object
LibraryTest

```
public class LibraryTest
extends Object
```

The test class LibraryTest.

Version:

1.0

Author:

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Constructor Summary

Constructors	
Constructor	Description
LibraryTest ()	Default constructor for test class LibraryTest

Method Summary

All Methods		Instance Methods	Concrete Methods
Modifier and Type	Method	Description	
void	setUp ()	Sets up the test fixture.	
void	tearDown ()	Tears down the test fixture.	
void	testAddNewResource ()	Check method adds a new resource to the catalogue.	
void	testEditTitle ()	Check method edits the title of relevant resource.	
void	testFindAuthor ()	Check method finds resource(s) with matching authors.	
void	testFindIsbn ()	Check method finds resource(s) with matcing	

SUMMARY:	NESTED	FIELD	CONSTR	METHOD	DETAIL: FIELD	CONSTR	METHOD
				<code>void testGetLibraryName()</code>			Check method returns the correct value.
				<code>void testGetResources()</code>			Check catalogue collection returned.
				<code>void testLendingBook()</code>			Check method simulates process of lending book by adding book to library member's list of books and marking book not available to other members.
				<code>void testLibraryCatalogueSize()</code>			Check method returns number of resources in catalogue.
				<code>void testListAvailableResources()</code>			Check resources not currently borrowed are listed.
				<code>void testListElectronicResources()</code>			Check only the details electronic resources are listed.
				<code>void testListPhysicalResources()</code>			Check only physical resources are listed.
				<code>void testMessageToMembers()</code>			Check message sent to members and stored to be accessed later.
				<code>void testPrintDetails()</code>			Check the details of the catalogue are printed.
				<code>void testRemoveByIndex()</code>			Check method removes resource at given index.
				<code>void testRemoveResource()</code>			Check method removes requested resource.
				<code>void testResourceAvailableInLibrary()</code>			Check true is returned when a resource is searched for and found in the catalogue.
				<code>void testReturnBook()</code>			Check the method simulates the process of returning a book and making it available for others.
				<code>void testReturningElecResource()</code>			
				<code>void testSetLibraryName()</code>			Check method sets or updates library name.

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructor Detail

Default constructor for test class LibraryTest

Method Detail

setUp

`@BeforeEach public void setUp()`

Sets up the test fixture. Called before every test case method.

tearDown

`@AfterEach public void tearDown()`

Tears down the test fixture. Called after every test case method.

testGetLibraryName

`@Test public void testGetLibraryName()`

Check method returns the correct value.

testSetLibraryName

`@Test public void testSetLibraryName()`

Check method sets or updates library name.

testResourceAvailableInLibrary

`@Test public void testResourceAvailableInLibrary()`

Check true is returned when a resource is searched for and found in the catalogue.

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```
@Test public void testFindResource()
```

Check the method finds the resource searched for.

testFindIsbn

```
@Test public void testFindIsbn()
```

Check method finds resource(s) with matching ISBN.

testFindAuthor

```
@Test public void testFindAuthor()
```

Check method finds resource(s) with matching authors.

testRemoveResource

```
@Test public void testRemoveResource()
```

Check method removes requested resource.

testRemoveByIndex

```
@Test public void testRemoveByIndex()
```

Check method removes resource at given index.

testLibraryCatalogueSize

```
@Test public void testLibraryCatalogueSize()
```

Check method returns number of resources in catalogue.

marking book not available to other members.

testAddNewResource

```
@Test public void testAddNewResource()
```

Check method adds a new resource to the catalogue.

testReturnBook

```
@Test public void testReturnBook()
```

Check the method simulates the process of returning a book and making it available for others.
Damage recorded if required.

testMessageToMembers

```
@Test public void testMessageToMembers()
```

Check message sent to members and stored to be accessed later.

testGetResources

```
@Test public void testGetResources()
```

Check catalogue collection returned.

testPrintDetails

```
@Test public void testPrintDetails()
```

Check the details of the catalogue are printed.

testListAvailableResources

```
@Test public void testListAvailableResources()
```

Check resources not currently borrowed are listed.

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```
@Test public void testListPhysicalResources()
```

Check only physical resources are listed.

testListElectronicResources

```
@Test public void testListElectronicResources()
```

Check only the details electronic resources are listed.

testReturningElecResource

```
@Test public void testReturningElecResource()
```

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