

Package hw3TestCases

package hw3TestCases

Classes

Class	Description
CreateAnswerQuestionTestPage	Title: CreateAnswerQuestionTestPage
DeleteAnswerQuestionTestPage	Title: DeleteAnswerQuestionTestPage
QuestionAnswerResolvedTestPage	Title: QuestionAnswerResolvedTestPage
ReadAnswerQuestionTestPage	Title: ReadAnswerQuestionTestPage
UpdateAnswerQuestionTestPage	Title: UpdateAnswerQuestionTestPage

Hierarchy For All Packages

Package Hierarchies:

hw3TestCases

Class Hierarchy

- [java.lang.Object](#)
 - [hw3TestCases.CreateAnswerQuestionTestPage](#)
 - [hw3TestCases.DeleteAnswerQuestionTestPage](#)
 - [hw3TestCases.QuestionAnswerResolvedTestPage](#)
 - [hw3TestCases.ReadAnswerQuestionTestPage](#)
 - [hw3TestCases.UpdateAnswerQuestionTestPage](#)

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C D H Q R S T U

All Classes and Interfaces | All Packages

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connect() - Static method in class hw3TestCases.CreateAnswerQuestionTestPage

Establishes a database connection once before any test cases are executed.

CreateAnswerQuestionTestPage - Class in hw3TestCases

Title: CreateAnswerQuestionTestPage

CreateAnswerQuestionTestPage() - Constructor for class hw3TestCases.CreateAnswerQuestionTestPage

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DeleteAnswerQuestionTestPage - Class in hw3TestCases

Title: DeleteAnswerQuestionTestPage

DeleteAnswerQuestionTestPage() - Constructor for class hw3TestCases.DeleteAnswerQuestionTestPage

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hw3TestCases - package hw3TestCases

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QuestionAnswerResolvedTestPage - Class in hw3TestCases

Title: QuestionAnswerResolvedTestPage

QuestionAnswerResolvedTestPage() - Constructor for class hw3TestCases.QuestionAnswerResolvedTestPage

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ReadAnswerQuestionTestPage - Class in hw3TestCases

Title: ReadAnswerQuestionTestPage

ReadAnswerQuestionTestPage() - Constructor for class hw3TestCases.ReadAnswerQuestionTestPage

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setup() - Static method in class hw3TestCases.DeleteAnswerQuestionTestPage**ReadAnswerQuestionTestPage()** - Constructor for class hw3TestCases.ReadAnswerQuestionTestPage

S

setup() - Static method in class hw3TestCases.DeleteAnswerQuestionTestPage

Establishes a connection to the database before executing any test cases.

setup() - Static method in class hw3TestCases.QuestionAnswerResolvedTestPage

Establishes the database connection before any test method runs.

setup() - Static method in class hw3TestCases.ReadAnswerQuestionTestPage

Establishes a connection to the database before any test is executed.

setup() - Static method in class hw3TestCases.UpdateAnswerQuestionTestPage

Connects to the database once before all test cases are executed.

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testAddAnswer() - Method in class hw3TestCases.CreateAnswerQuestionTestPage

Tests whether an answer can be successfully added for a given question and user.

testAddQuestion() - Method in class hw3TestCases.CreateAnswerQuestionTestPage

Tests whether a question can be successfully added for a given user.

testAddResolvedQuestion() - Method in class hw3TestCases.QuestionAnswerResolvedTestPage

Tests the process of adding a question and marking it as resolved.

testAddUnresolvedQuestion() - Method in class hw3TestCases.QuestionAnswerResolvedTestPage

Tests that a newly added question is unresolved by default.

testCreateAndDeleteAnswerAndQuestion() - Method in class hw3TestCases.DeleteAnswerQuestionTestPage

Performs a complete lifecycle test: Creates a test user Creates a question and an answer Retrieves the inserted data from the database Deletes the question Deletes the user.

testEditQuestion() - Method in class hw3TestCases.UpdateAnswerQuestionTestPage

Tests whether an existing Question can be updated with new content.

testGetAnswerById() - Method in class hw3TestCases.ReadAnswerQuestionTestPage

Tests whether an Answer can be correctly retrieved by its unique database ID.

testGetQuestionById() - Method in class hw3TestCases.ReadAnswerQuestionTestPage

Tests whether a Question can be correctly retrieved by its unique database ID.

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UpdateAnswerQuestionTestPage - Class in hw3TestCases

Title: UpdateAnswerQuestionTestPage

UpdateAnswerQuestionTestPage() - Constructor for class hw3TestCases.UpdateAnswerQuestionTestPage

PACKAGE CLASS TREE INDEX HELP

SUMMARY NESTED FIELD CONSTR | METHOD DETAIL FIELD CONSTR | METHOD

Package hw3TestCases

Class CreateAnswerQuestionTestPage

```
java.lang.Object
    ↪ hw3TestCases.CreateAnswerQuestionTestPage
public class CreateAnswerQuestionTestPage
extends Object
```

Title: CreateAnswerQuestionTestPage

Description: This JUnit test class verifies that the application correctly allows creation of users, questions, and answers in the system database.

The following scenarios are tested:

- Adding a new question for a specific user
- Adding an answer to a previously inserted question

Each test ensures the underlying database operations complete successfully without throwing exceptions.

Constructor Summary

Constructors	Description
CreateAnswerQuestionTestPage()	

Method Summary

All Methods	Static Methods	Instance Methods	Concrete Methods
Modifier and Type	Method		Description
static void	connect()		Establishes a database connection once before any test cases are executed.
void	testAddAnswer()		Tests whether an answer can be successfully added for a given question and user.
void	testAddQuestion()		Tests whether a question can be successfully added for a given user.

Methods inherited from class java.lang.Object

```
clone(), equals(), finalize(), getClass(), hashCode(), notify(), notifyAll(), toString(), wait(), wait(), wait()
```

Constructor Details

CreateAnswerQuestionTestPage

```
public CreateAnswerQuestionTestPage()
```

Method Details

connect

```
public static void connect()
    throws SQLException
```

Establishes a database connection once before any test cases are executed.

Throws:
SQLException - if a connection to the database cannot be established

testAddQuestion

```
public void testAddQuestion()
```

Tests whether a question can be successfully added for a given user.

The test simulates a student user creating a new question. It does not validate the returned data, only that the action does not throw an exception.

testAddAnswer

```
public void testAddAnswer()
```

CreateAnswerQuestionTestPage

```
public CreateAnswerQuestionTestPage()
```

Method Details

connect

```
public static void connect()
    throws SQLException
```

Establishes a database connection once before any test cases are executed.

Throws:
SQLException - if a connection to the database cannot be established

testAddQuestion

```
public void testAddQuestion()
```

Tests whether a question can be successfully added for a given user.

The test simulates a student user creating a new question. It does not validate the returned data, only that the action does not throw an exception.

testAddAnswer

```
public void testAddAnswer()
    throws SQLException
```

Tests whether an answer can be successfully added for a given question and user.

The test performs a complete flow:

- Registers the user if not already in the system
- Adds a question for that user
- Retrieves the inserted question from the database
- Adds an answer linked to that question

Throws:
SQLException - if any database query fails

PACKAGE CLASS TREE INDEX HELP

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

Package hw3TestCases

Class DeleteAnswerQuestionTestPage

java.lang.Object¹²
hw3TestCases.DeleteAnswerQuestionTestPage

public class DeleteAnswerQuestionTestPage
extends Object¹²

Title: DeleteAnswerQuestionTestPage

Description: This JUnit test class verifies the full flow of creating and deleting a Question and its associated Answer for a newly registered user.

The test ensures that both insertion and deletion operations can be performed without throwing exceptions, confirming data integrity and cleanup logic.

Part of HW3's test suite.

Constructor Summary

Constructors
Constructor Description
DeleteAnswerQuestionTestPage()

Method Summary

All Methods	Static Methods	Instance Methods	Concrete Methods
Modifier and Type Method Description			
static void setup()			Establishes a connection to the database before executing any test cases.
void testCreateAndDeleteAnswerAndQuestion()			Performs a complete lifecycle test: Creates a test user Creates a question and an answer Retrieves the inserted data for confirmation Deletes the answer and the question
Methods inherited from class java.lang.Object¹²			
clone ⁶ , equals ⁶ , finalize ⁶ , getClass ⁶ , hashCode ⁶ , notify ⁶ , notifyAll ⁶ , toString ⁶ , wait ⁶ , wait ⁶ , wait ⁶			

Constructor Details

DeleteAnswerQuestionTestPage

```
public DeleteAnswerQuestionTestPage()
```

Method Details

setup

```
public static void setup()  
throws SQLException6
```

Establishes a connection to the database before executing any test cases.

Throws:
SQLException⁶ - if the database connection fails

testCreateAndDeleteAnswerAndQuestion

```
public void testCreateAndDeleteAnswerAndQuestion()  
throws SQLException6
```

Performs a complete lifecycle test:

- Creates a test user
- Creates a question and an answer
- Retrieves the inserted data for confirmation
- Deletes the answer and the question

Each step is validated to ensure no exceptions are thrown, indicating that database insertions and deletions are functioning as expected.

Throws:
SQLException⁶ - if any database operation fails

PACKAGE CLASS TREE INDEX HELP

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

Package hw3TestCases

Class QuestionAnswerResolvedTestPage

java.lang.Object¹²
hw3TestCases.QuestionAnswerResolvedTestPage

public class QuestionAnswerResolvedTestPage
extends Object¹³

Title: QuestionAnswerResolvedTestPage

Description: This JUnit test class verifies whether questions in the system can be correctly marked as resolved or remain unresolved upon creation.

The test cases cover:

- Adding and resolving a question
- Adding a question that remains unresolved by default

Part of HW3 test suite focused on resolution status tracking of questions.

Constructor Summary

Constructors

Constructor	Description
QuestionAnswerResolvedTestPage()	

Method Summary

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type	Method	Description
static void	setup()	Establishes the database connection before any test method runs.
void	testAddResolvedQuestion()	Tests the process of adding a question and marking it as resolved.
void	testAddUnresolvedQuestion()	Tests that a newly added question is unresolved by default.

Methods inherited from class java.lang.Object¹⁴

clone¹⁵, equals¹⁶, finalize¹⁷, getClass¹⁸, hashCode¹⁹, notify²⁰, notifyAll²¹, toString²², wait²³, wait²⁴, wait²⁵

Constructor Details

QuestionAnswerResolvedTestPage

public QuestionAnswerResolvedTestPage()

Method Details

setup

```
public static void setup()  
throws SQLException12
```

Establishes the database connection before any test method runs.

Throws:
SQLException¹⁶ - if database connection fails

testAddResolvedQuestion

```
public void testAddResolvedQuestion()  
throws SQLException12
```

Tests the process of adding a question and marking it as resolved.

This test:

- Creates a unique test user
- Adds a question on behalf of the user
- Marks the question as resolved

testAddUnresolvedQuestion

```
public void testAddUnresolvedQuestion()  
throws SQLException12
```

Tests that a newly added question is unresolved by default.

This test:

- Creates a unique test user
- Adds a question without modifying its resolution status
- Checks that the resolved flag remains false

Throws:

SQLException¹⁶ - if any database operation fails

PACKAGE CLASS TREE INDEX HELP

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

Package hw3TestCases

Class ReadAnswerQuestionTestPage

```
java.lang.Object12
hw3TestCases.ReadAnswerQuestionTestPage
```

```
public class ReadAnswerQuestionTestPage
extends Object12
```

Title: ReadAnswerQuestionTestPage

Description: This JUnit test class verifies that the application correctly supports retrieving Question and Answer records from the database by their IDs.

Test scenarios include:

- Creating and retrieving an answer using its unique ID
- Creating and retrieving a question using its unique ID

These tests confirm the integrity of read operations after data insertion.

Constructor Summary

Constructors	Description
Constructor	
ReadAnswerQuestionTestPage()	

Method Summary

All Methods	Static Methods	Instance Methods	Concrete Methods	Method	Description
Modifier and Type				Method	Description
static void				setup()	Establishes a connection to the database before any test is executed.
void				testGetAnswerById()	Tests whether an Answer can be correctly retrieved by its unique database ID.
void				testGetQuestionById()	Tests whether a Question can be correctly retrieved by its unique database ID.

Methods inherited from class java.lang.Object¹²

```
clone12, equals12, finalize12, getClass12, hashCode12, notify12, notifyAll12, toString12, wait12, wait12, wait12
```

Constructor Details

ReadAnswerQuestionTestPage

```
public ReadAnswerQuestionTestPage()
```

Method Details

setup

```
public static void setup()
throws SQLException12
```

Establishes a connection to the database before any test is executed.

Throws:

SQLException¹² - if a database connection cannot be established

testGetAnswerById

```
public void testGetAnswerById()
throws SQLException12
```

Tests whether an Answer can be correctly retrieved by its unique database ID.

This test performs the following steps:

- Creates a user and adds a question
- Adds an answer linked to that question
- Retrieves the answer using its ID
- Verifies that the fetched answer is not null and content matches

Throws:

SQLException¹² - if any database operation fails

testGetQuestionById

```
public void testGetQuestionById()
throws SQLException12
```

Tests whether a Question can be correctly retrieved by its unique database ID.

This test:

- Registers a user and adds a new question
- Retrieves the question using its assigned ID
- Verifies that the retrieved question content matches the original

Throws:

SQLException¹² - if any database operation fails

PACKAGE **CLASS** **TREE** **INDEX** **HELP**
SUMMARY | **NESTED** | **FIELD** | **CONSTR** | **METHOD** **DETAIL:** **FIELD** | **CONSTR** | **METHOD**

```

java.lang.Object12
  hw3TestCases.UpdateAnswerQuestionTestPage
public class UpdateAnswerQuestionTestPage
extends Object12

Title: UpdateAnswerQuestionTestPage

Description: This JUnit test class verifies that a question's content can be successfully updated in the database using the question ID.

The test flow includes:


- Registering a new user
- Adding a question authored by that user
- Updating the content of the question
- Retrieving and verifying that the update was applied


This ensures the system's edit functionality works as expected.

```

Constructor Summary

Constructors	Description
Constructor	UpdateAnswerQuestionTestPage()

Method Summary

All Methods	Static Methods	Instance Methods	Concrete Methods	Method	Description
				Modifier and Type	
				static void	setup() Connects to the database once before all test cases are executed.
				void	testEditQuestion() Tests whether an existing Question can be updated with new content.
Methods inherited from class java.lang.Object¹²					
clone¹², equals¹², finalize¹², getClass¹², hashCode¹², notify¹², notifyAll¹², toString¹², wait¹², wait¹², wait¹²					

Constructor Details

UpdateAnswerQuestionTestPage
public UpdateAnswerQuestionTestPage()

Method Details

setup

```

public static void setup()
    throws SQLException12

```

Connects to the database once before all test cases are executed.

Throws:
[SQLException¹²](#) - if the database connection fails

testEditQuestion

```

public void testEditQuestion()
    throws SQLException12

```

Tests whether an existing Question can be updated with new content.

The test performs the following operations:

- Creates a user and inserts a question
- Modifies the question text using `updateQuestion`
- Retrieves the updated record and verifies its content

Throws:
[SQLException¹²](#) - if any step of the database operation fails