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Class staffTestable

java.lang.Object application.staffTestable

public class staffTestable
extends Object

StaffTestable provides isolated, testable logic used by the Staff role without any JavaFX dependencies. This class extracts core business logic from the Staff UI so it can be easily tested with JUnit. Author: Muzzamil Jolaade Version: 2025-04-11

Constructor Summary Constructors Constructor Description staffTestable Constructs a testable logic class for staff (databasePart1.DatabaseHelper database operations.

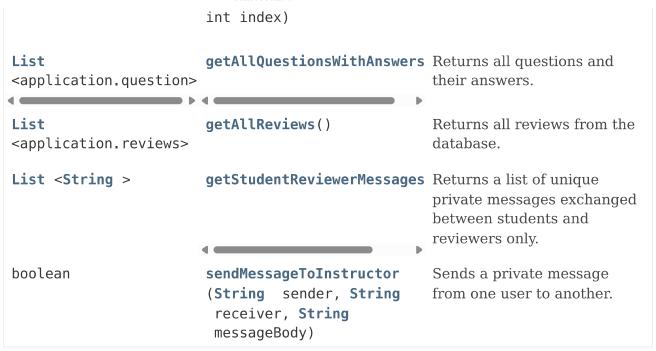
Method Summary

All Methods

All Fictions instance Fictions concrete Fictions		
Modifier and Type	Method	Description
boolean	<pre>deleteQuestionOrAnswer (Object selectedItem)</pre>	Deletes a question or answer based on the selected object.
boolean	<pre>deleteReviewByIndex(List <application.reviews> revi</application.reviews></pre>	

Concrete Methods

Instance Methods



Methods inherited from class java.lang.Object

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

Constructor Details

staffTestable

public staffTestable(databasePart1.DatabaseHelper databaseHelper)

Constructs a testable logic class for staff operations.

Parameters:

databaseHelper - reference to the shared DatabaseHelper

Method Details

deleteReviewByIndex

Deletes a review from the given list by index.

Parameters:

reviews - list of reviews

index - index to delete

Returns:

true if successfully deleted

Throws:

SQLException - if database error occurs

deleteQuestionOrAnswer

Deletes a question or answer based on the selected object.

Parameters:

selectedItem - object selected (question or answer)

Returns:

true if deletion successful, false otherwise

Throws:

SQLException - if database error occurs

sendMessageToInstructor

Sends a private message from one user to another.

Parameters:

```
sender - username of sender
receiver - username of receiver (instructor)
messageBody - content of the message
```

Returns:

true if successfully sent

Throws:

SQLException - if database error occurs

getAllReviews

Returns all reviews from the database.

Returns:

list of reviews

Throws:

SQLException - if database error occurs

getAllQuestionsWithAnswers

Returns all questions and their answers.

Returns:

list of questions with answers inside them (not flattened)

Throws:

SQLException - if database error occurs

getStudentReviewerMessagesOnly

Returns a list of unique private messages exchanged between students and reviewers only.

Returns:

list of formatted message strings

Throws:

SQLException - if database or user role retrieval fails