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Class StaffRoleTests2

java.lang.Object
      application.StaffRoleTests2

```
@TestInstance(PER_CLASS)
public class StaffRoleTests2
extends Object
```

The StaffRoleTests class contains JUnit tests that verify the staff-related functionalities of the application. These tests ensure that staff users can:

- View discussion board questions.
- View answers to discussion board questions.
- Read private chat messages.
- Send private messages.
- Display the staff private messaging user interface without errors.

This test suite validates the proper functioning of the staff role epic.

Version:

   1.0

Author:

Constructor Summary

Constructors

Constructor	Description
StaffRoleTests2()	

Method Summary

All Methods   **Instance Methods**

Concrete Methods

Modifier and Type	Method	Description
void	**initToolkit**()	Initializes JavaFX once before any tests run, and prevents it from

		shutting down after each window closes so that our UI test can execute.
void	**setup**()	Sets up the test environment before each test.
void	**teardown**()	Tears down the test environment after each test.
void	**testStaffCanReadP**	Tests that a staff user is able to read private chat messages sent to them.
void	**testStaffCanSendP**	Tests that a staff user can send private messages.
void	**testStaffCanViewD**	Tests that a staff user can view answers for a discussion board question.
void	**testStaffCanViewD**	Tests that a staff user is able to view discussion board questions.
void	**testStaffPrivateM**	Tests that the staff private messaging interface displays without errors.

Methods inherited from class java.lang.Object

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

Constructor Details

StaffRoleTests2

```
public StaffRoleTests2()
```

Method Details

initToolkit

```
@BeforeAll
public void initToolkit()
```

Initializes JavaFX once before any tests run, and prevents it from shutting down after each window closes so that our UI test can execute.

setup

```
@BeforeEach
public void setup()
            throws SQLException
```

Sets up the test environment before each test. This includes initializing the database connection, clearing relevant tables, and registering a dummy staff user.

Throws:

SQLException - if a database access error occurs.

teardown

```
@AfterEach
public void teardown()
```

Tears down the test environment after each test.

testStaffCanViewDiscussionQuestions

```
@Test
public void testStaffCanViewDiscussionQuestions()
                                            throws
SQLException
```

Tests that a staff user is able to view discussion board questions.

Throws:

   SQLException   - if a database access error occurs.

testStaffCanViewDiscussionAnswers

```
@Test
public void testStaffCanViewDiscussionAnswers()
                                          throws
SQLException
```

Tests that a staff user can view answers for a discussion board question.

Throws:

   SQLException   - if a database access error occurs.

testStaffCanReadPrivateChats

```
@Test
public void testStaffCanReadPrivateChats()
```

Tests that a staff user is able to read private chat messages sent to them.

testStaffCanSendPrivateMessages

```
@Test
public void testStaffCanSendPrivateMessages()
```

Tests that a staff user can send private messages.

testStaffPrivateMessagingInterface

```
@Test
public void testStaffPrivateMessagingInterface()
                                          throws
InterruptedException
```

Tests that the staff private messaging interface displays without errors. This UI test runs on the JavaFX Application Thread and uses a latch to wait for the window to be shown.

Throws:

   InterruptedException   - if the UI does not initialize before timeout.