

com.role

Class Role

java.lang.Object
com.role.Role

Direct Known Subclasses:

AbstractCustomerRole, NormalStaffRole, SystemAdministratorRole

```
public abstract class Role
extends java.lang.Object
```

An abstract class that defines the common behavior that all the Roles in the system can do.

Field Summary

Fields

Modifier and Type	Field and Description
protected java.util.List<java.lang.String>	allChoices Holds all the possible choices that will have been passed to itself from its subclasses.
protected java.util.List<java.lang.String>	allReportsAvailable Holds all the possible available reports that will have been passed to itself from its subclasses.
private java.lang.String[]	choices The choices available for this role.
private java.util.Scanner	in Scanner object to use the standard input console.
private boolean	isLoggedIn Session variable to check whether the user is still logged in.
private ProfileController	pc Requires the ProfileController class to access services in that class.
private java.lang.String[]	reportsAvailable The reports available for this role.
protected int	userChoice The choice of the user for the main menu.
private java.lang.String	username The username of the current user.
protected int	userReportChoice The choice of the user for the report menu.

Constructor Summary

Constructors

Constructor and Description
Role() Default constructor.

Method Summary

Methods

Modifier and Type	Method and Description
protected void	addChoices (java.lang.String[] additionalChoices) Allows subclasses to add the choices unique to that class.
protected void	addReportChoices (java.lang.String[] additionalChoices) Allows subclasses to add the report choices unique to that class.
void	displayChoices () Displays all the choices available and handles the input choice.
void	displayReportMenu () Displays the available report options.
void	executeChoice () Executes the choice that was selected.
void	executeReportChoice () Executes the report choice that was selected.
protected java.util.List<java.lang.String>	getChoices () Gets the List of choices available.
abstract java.lang.String	getRoleString () Gets the name of the role that is currently active.
java.lang.String	getUsername () Gets the username.
boolean	isUserLoggedIn () Checks whether user is currently logged in.
protected void	setUserLoggedIn () Sets the session to active.
protected void	setUserLoggedOut () Unsets the session from active.
void	setUsername (java.lang.String username) Sets the username for the role.

Methods inherited from class java.lang.Object

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

Field Detail

username

private java.lang.String username
The username of the current user.

choices

private java.lang.String[] choices
The choices available for this role.

reportsAvailable

private java.lang.String[] reportsAvailable
The reports available for this role.