## Class User

java.lang.Object
    User

---

```
public class User
extends java.lang.Object
```

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### *Field Summary*

#### Fields

| Modifier and Type | Field and Description |
|---|---|
| private boolean | **hasActiveSession**<br>whether or not a user is currently logged in |
| private java.lang.String | **name**<br>the name of the user |
| private java.lang.String | **password**<br>the password of a user |
| private java.lang.String | **username**<br>the username of a user, must be unique as it is used as the primary key in the database |
| private java.lang.String | **userType**<br>the type of user "F" for faculty or "S" for student |

### *Constructor Summary*

#### Constructors

| Constructor and Description |
|---|
| **User**() |
| **User**(java.lang.String username, java.lang.String name, java.lang.String userType)<br>second user constructor, doesn't specify password |
| **User**(java.lang.String username, java.lang.String password, java.lang.String name, java.lang.String userType)<br>the user constructor |

### *Method Summary*

**All Methods**    Instance Methods    Concrete Methods

| Modifier and Type | Method and Description |
|---|---|
| java.lang.String | **getName**() |
| java.lang.String | **getUsername**() |
| java.lang.String | **getUserType**() |
| boolean | **isActive**() |
| void | **setName**(java.lang.String name)<br>sets the nmae |
| void | **setUsername**(java.lang.String username)<br>sets the username |
| void | **setUserType**(java.lang.String userType)<br>sets the user type |
| void | **toggleActiveSession**()<br>toggles the session |

#### 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 a user, must be unique as it is used as the primary key in the database

### password

```
private java.lang.String password
```

the password of a user

### userType

```
private java.lang.String userType
```

the type of user "F" for faculty or "S" for student

### name

```
private java.lang.String name
```

the name of the user

### hasActiveSession

```
private boolean hasActiveSession
```

whether or not a user is currently logged in

## Constructor Detail

### User

```
public User()
```

### User

```
public User(java.lang.String username,
            java.lang.String password,
            java.lang.String name,
            java.lang.String userType)
```

the user constructor

**Parameters:**

username -

password -

name -

userType - S or F

### User

```
public User(java.lang.String username,
            java.lang.String name,
            java.lang.String userType)
```

second user constructor, doesn't specify password

**Parameters:**

username -

name -

userType -

## Method Detail

### getUsername

```
public java.lang.String getUsername()
```

**Returns:**

the username

### getName

```
public java.lang.String getName()
```

**Returns:**

the name

### getUserType

```
public java.lang.String getUserType()
```

**Returns:**

the type of user S or F

### isActive

```
public boolean isActive()
```

**Returns:**

whether or not the user is active (true or false)

### setUsername

```
public void setUsername(java.lang.String username)
```

sets the username

### setName

```
public void setName(java.lang.String name)
```

sets the nmae

### setUserType

```
public void setUserType(java.lang.String userType)
```

sets the user type

### toggleActiveSession

```
public void toggleActiveSession()
```

toggles the session