

## My Project

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# Chapter 1

## Hierarchical Index

### 1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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## Chapter 2

# Class Index

### 2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

<a href="#">org.openjfx.app.Account</a>	5
<a href="#">org.openjfx.app.App</a>	7
<a href="#">org.openjfx.app.FileNameController</a>	8
<a href="#">org.openjfx.app.FileOperation</a>	8
<a href="#">org.openjfx.app.FolderName2Controller</a>	10
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<a href="#">org.openjfx.app.SignUpController</a>	13





## Chapter 3

# Class Documentation

### 3.1 org.openjfx.app.Account Class Reference

#### Public Member Functions

- void [createNewUser](#) (String username, String password)  
*Add username and password to the database.*
- String **generateSecurePassword** (String password) throws InvalidKeySpecException
- boolean [validateUser](#) (String username, String password)  
*verify username and password against the database*
- void **updatePassword** (String newPassword)

#### Static Public Member Functions

- static boolean [checkUser](#) (String username)  
*checks if the username exists*
- static void [deleteExistingUser](#) (String Username)  
*deletes existing user*

#### 3.1.1 Detailed Description

Author

N1097098

#### 3.1.2 Member Function Documentation

##### 3.1.2.1 checkUser()

```
static boolean org.openjfx.app.Account.checkUser (  
    String username ) [inline], [static]
```

checks if the username exists

**Parameters**

<i>username</i>	- should be of type String
-----------------	----------------------------

**Returns**

true if username exists, otherwise false

**3.1.2.2   createNewUser()**

```
void org.openjfx.app.Account.createNewUser (
    String username,
    String password ) [inline]
```

Add username and password to the database.

**Parameters**

<i>username</i>	of type String
<i>password</i>	of type String

**3.1.2.3   deleteExistingUser()**

```
static void org.openjfx.app.Account.deleteExistingUser (
    String Username ) [inline], [static]
```

deletes existing user

**Parameters**

<i>Username</i>	- username of type string
-----------------	---------------------------

**3.1.2.4   validateUser()**

```
boolean org.openjfx.app.Account.validateUser (
    String username,
    String password ) [inline]
```

verify username and password against the database

## Parameters

<i>username</i>	of type String
<i>password</i>	of type String

## Returns

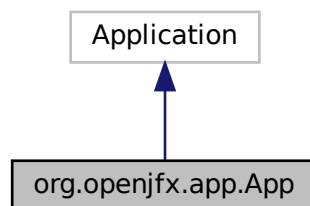
true if username and passwords exists, otherwise false

The documentation for this class was generated from the following file:

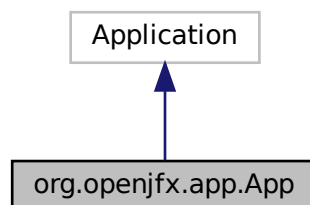
- src/main/java/org/openjfx/app/Account.java

## 3.2 org.openjfx.app.App Class Reference

Inheritance diagram for org.openjfx.app.App:



Collaboration diagram for org.openjfx.app.App:



### Public Member Functions

- void **start** (Stage stage) throws IOException

## Static Public Member Functions

- static void **main** (String[] args)

### 3.2.1 Detailed Description

JavaFX [App](#)

The documentation for this class was generated from the following file:

- src/main/java/org/openjfx/app/App.java

## 3.3 org.openjfx.app.FileNameController Class Reference

### Public Member Functions

- void **initialize** ()
- void **setPath** (String path)

### 3.3.1 Detailed Description

Author

ntu-user

The documentation for this class was generated from the following file:

- src/main/java/org/openjfx/app/FileNameController.java

## 3.4 org.openjfx.app.FileOperation Class Reference

### Public Member Functions

- void [setUsername](#) (String username)  
*sets the username*
- boolean [createDirectory](#) (String path, String dirname)  
*Creates a directory in the container.*
- boolean [createFile](#) (String path, String filename)  
*Creates a file in the container.*
- void **writeContent** (String line, String path, String permission)
- void [deleteFile](#) (String path)  
*deletes a file in the container*

### 3.4.1 Detailed Description

#### Author

ntu-user

### 3.4.2 Member Function Documentation

#### 3.4.2.1 createDirectory()

```
boolean org.openjfx.app.FileOperation.createDirectory (
    String path,
    String dirname ) [inline]
```

Creates a directory in the container.

#### Parameters

<i>path</i>	- path of the directory of type String
<i>dirname</i>	- name of the directory of type String

#### Returns

true if created successfully otherwise return false

#### 3.4.2.2 createFile()

```
boolean org.openjfx.app.FileOperation.createFile (
    String path,
    String filename ) [inline]
```

Creates a file in the container.

#### Parameters

<i>path</i>	- path of the file of type String
<i>filename</i>	- name of the file of type String

#### Returns

true if created successfully otherwise false

### 3.4.2.3 deleteFile()

```
void org.openjfx.app.FileOperation.deleteFile (
    String path ) [inline]
```

deletes a file in the container

#### Parameters

<i>path</i>	- path of the file to be deleted, should be of type String
-------------	--

### 3.4.2.4 setUsername()

```
void org.openjfx.app.FileOperation.setUsername (
    String username ) [inline]
```

sets the username

#### Parameters

<i>username</i>	- username should be of type String
-----------------	-------------------------------------

The documentation for this class was generated from the following file:

- src/main/java/org/openjfx/app/FileOperation.java

## 3.5 org.openjfx.app.FolderName2Controller Class Reference

### Public Member Functions

- void **setPath** (String p)

### 3.5.1 Detailed Description

#### Author

ntu-user

The documentation for this class was generated from the following file:

- src/main/java/org/openjfx/app/FolderName2Controller.java

## 3.6 org.openjfx.app.FolderNameController Class Reference

### Public Member Functions

- void **setPath** (String path)

### 3.6.1 Detailed Description

#### Author

N1097098

The documentation for this class was generated from the following file:

- src/main/java/org/openjfx/app/FolderNameController.java

## 3.7 org.openjfx.app.LoginController Class Reference

### Public Member Functions

- void **initialize** ()

### Static Public Member Functions

- static String **getTextUsername** ()

### 3.7.1 Detailed Description

FXML Controller class

#### Author

ntu-user

### 3.7.2 Member Function Documentation

#### 3.7.2.1 initialize()

```
void org.openjfx.app.LoginController.initialize ( ) [inline]
```

Initializes the controller class.

The documentation for this class was generated from the following file:

- src/main/java/org/openjfx/app/LoginController.java

## 3.8 org.openjfx.app.ReadOnlyController Class Reference

### 3.8.1 Detailed Description

Author

ntu-user

The documentation for this class was generated from the following file:

- src/main/java/org/openjfx/app/ReadOnlyController.java

## 3.9 org.openjfx.app.Screen1Controller Class Reference

### Public Member Functions

- void **initialize** ()
- void **setUsername** (String user)
- void **changeStage** () throws IOException

### 3.9.1 Detailed Description

FXML Controller class

Author

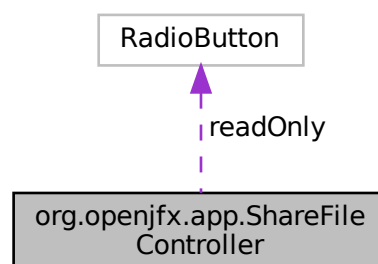
ntu-user

The documentation for this class was generated from the following file:

- src/main/java/org/openjfx/app/Screen1Controller.java

## 3.10 org.openjfx.app.ShareFileController Class Reference

Collaboration diagram for org.openjfx.app.ShareFileController:





## Public Member Functions

- void **setFileToBeShared** (String filename)
- void **setPath** (String p)

### 3.10.1 Detailed Description

Author

N1097098

The documentation for this class was generated from the following file:

- src/main/java/org/openjfx/app/ShareFileController.java

## 3.11 org.openjfx.app.SignUpController Class Reference

## Public Member Functions

- void **initialize** ()

### 3.11.1 Detailed Description

FXML Controller class

Author

ntu-user

### 3.11.2 Member Function Documentation

#### 3.11.2.1 initialize()

```
void org.openjfx.app.SignUpController.initialize ( ) [inline]
```

Initializes the controller class.

The documentation for this class was generated from the following file:

- src/main/java/org/openjfx/app/SignUpController.java



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- createNewUser
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