

CloudStorage

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Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all documented namespaces with brief descriptions:

[com.mycompany.cloudstorage](#)

The [LoginController](#) class is a JavaFX controller for the login page of a Cloud Storage application ??

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

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

Application	
com.mycompany.cloudstorage.App	??
Initializable	
com.mycompany.cloudstorage.ChangeController	??
com.mycompany.cloudstorage.FilesController	??
com.mycompany.cloudstorage.HomepageController	??
com.mycompany.cloudstorage.LoginController	??
com.mycompany.cloudstorage.RegisterController	??

Chapter 3

Class Index

3.1 Class List

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

com.mycompany.cloudstorage.App		
The App class is the main class of the Cloud Storage application	..	??
com.mycompany.cloudstorage.ChangeController		
FXML Controller class	..	??
com.mycompany.cloudstorage.FilesController		
Controller class for the Files tab of the application	..	??
com.mycompany.cloudstorage.HomepageController		
This is the controller class for the homepage of a cloud storage application	..	??
com.mycompany.cloudstorage.LoginController		??
com.mycompany.cloudstorage.RegisterController		
This class is responsible for managing the registration screen	..	??

Chapter 4

File Index

4.1 File List

Here is a list of all documented files with brief descriptions:

src/main/java/com/mycompany/cloudstorage/ App.java	??
src/main/java/com/mycompany/cloudstorage/ FilesController.java	
This is the controller class for the Files tab of the application	??
src/main/java/com/mycompany/cloudstorage/ HomepageController.java	
This is the controller class for the homepage of a cloud storage application	??
src/main/java/com/mycompany/cloudstorage/ RegisterController.java	
This file contains the implementation of the RegisterController class	??

Chapter 5

Namespace Documentation

5.1 Package com.mycompany.cloudstorage

The [LoginController](#) class is a JavaFX controller for the login page of a Cloud Storage application.

Classes

- class [App](#)
The [App](#) class is the main class of the Cloud Storage application.
- class [ChangeController](#)
FXML Controller class.
- class [FilesController](#)
Controller class for the Files tab of the application.
- class [HomepageController](#)
This is the controller class for the homepage of a cloud storage application.
- class [LoginController](#)
- class [RegisterController](#)
This class is responsible for managing the registration screen.

5.1.1 Detailed Description

The [LoginController](#) class is a JavaFX controller for the login page of a Cloud Storage application.

It contains methods for handling button actions, initializing database connections, and opening new pages.

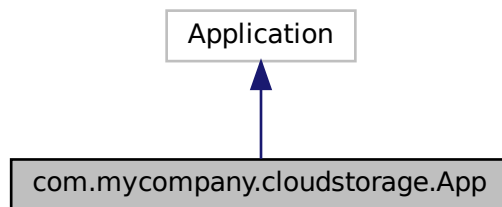
Chapter 6

Class Documentation

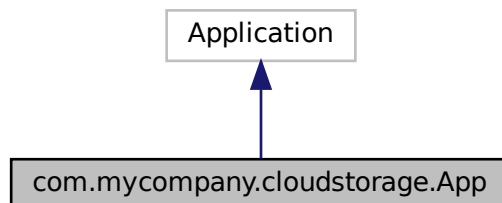
6.1 com.mycompany.cloudstorage.App Class Reference

The [App](#) class is the main class of the Cloud Storage application.

Inheritance diagram for com.mycompany.cloudstorage.App:



Collaboration diagram for com.mycompany.cloudstorage.App:



Public Member Functions

- void [start](#) (Stage stage) throws IOException
The [start\(\)](#) method is called when the JavaFX application is launched.

Static Public Member Functions

- static void [main](#) (String[] args)
The [main\(\)](#) method is the entry point for the JavaFX application.

6.1.1 Detailed Description

The [App](#) class is the main class of the Cloud Storage application.

It extends the JavaFX Application class and defines the [start\(\)](#) method, which is called when the application is launched. The [start\(\)](#) method loads the login user interface defined in login.fxml and displays it in a new Stage.

6.1.2 Member Function Documentation

6.1.2.1 [main\(\)](#)

```
static void com.mycompany.cloudstorage.App.main (  
    String[] args ) [inline], [static]
```

The [main\(\)](#) method is the entry point for the JavaFX application.

It simply calls the [launch\(\)](#) method of the Application class to start the JavaFX application.

Parameters

args	The command line arguments passed to the JavaFX application.
----------------------	--------------------------------------------------------------

6.1.2.2 [start\(\)](#)

```
void com.mycompany.cloudstorage.App.start (  
    Stage stage ) throws IOException [inline]
```

The [start\(\)](#) method is called when the JavaFX application is launched.

It loads the login.fxml file using FXMLLoader and displays the user interface defined in the file in a new Scene, which is then displayed in a new Stage.

Parameters

<i>stage</i>	The primary Stage object for the JavaFX application.
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Exceptions

<i>IOException</i>	If an I/O error occurs while loading the login.fxml file.
--------------------	-----------------------------------------------------------

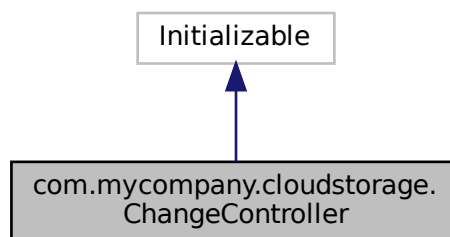
The documentation for this class was generated from the following file:

- src/main/java/com/mycompany/cloudstorage/[App.java](#)

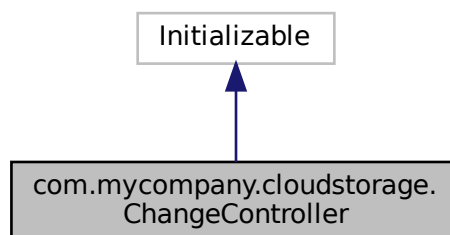
6.2 com.mycompany.cloudstorage.ChangeController Class Reference

FXML Controller class.

Inheritance diagram for com.mycompany.cloudstorage.ChangeController:



Collaboration diagram for com.mycompany.cloudstorage.ChangeController:



Public Member Functions

- void [initialize](#) (URL url, ResourceBundle rb)
Initializes the controller by establishing a connection to the database.

6.2.1 Detailed Description

FXML Controller class.

Author

ntu-user [ChangeController](#) class that handles the user interface for changing login details.

6.2.2 Member Function Documentation

6.2.2.1 initialize()

```
void com.mycompany.cloudstorage.ChangeController.initialize (  
    URL url,  
    ResourceBundle rb ) [inline]
```

Initializes the controller by establishing a connection to the database.

Parameters

<i>url</i>	The location used to resolve relative paths for the root object, or null if the location is not known.
<i>rb</i>	The resources used to localize the root object, or null if the root object was not localized.

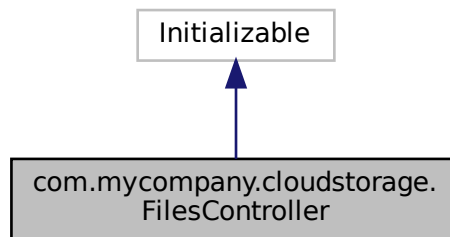
The documentation for this class was generated from the following file:

- src/main/java/com/mycompany/cloudstorage/ChangeController.java

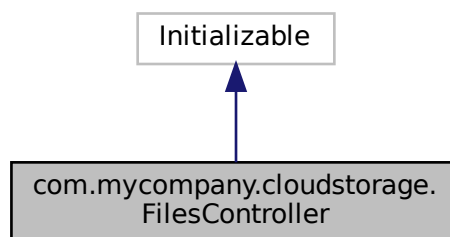
6.3 com.mycompany.cloudstorage.FilesController Class Reference

Controller class for the Files tab of the application.

Inheritance diagram for com.mycompany.cloudstorage.FilesController:



Collaboration diagram for com.mycompany.cloudstorage.FilesController:



Public Member Functions

- void **initialize** (URL location, ResourceBundle resources)

6.3.1 Detailed Description

Controller class for the Files tab of the application.

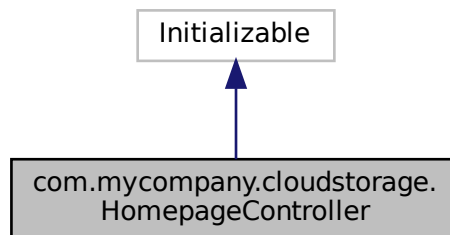
The documentation for this class was generated from the following file:

- `src/main/java/com/mycompany/cloudstorage/FilesController.java`

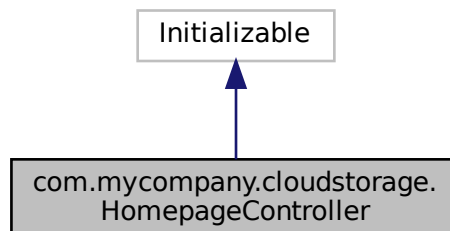
6.4 com.mycompany.cloudstorage.HomepageController Class Reference

This is the controller class for the homepage of a cloud storage application.

Inheritance diagram for com.mycompany.cloudstorage.HomepageController:



Collaboration diagram for com.mycompany.cloudstorage.HomepageController:



Public Member Functions

- void `initialize` (URL url, ResourceBundle rb)
This method initializes the components and variables of the class.

6.4.1 Detailed Description

This is the controller class for the homepage of a cloud storage application.

6.4.2 Member Function Documentation

6.4.2.1 initialize()

```
void com.mycompany.cloudstorage.HomepageController.initialize (
    URL url,
    ResourceBundle rb ) [inline]
```

This method initializes the components and variables of the class.

This method is called when the class is loaded. It initializes the list of allowed commands for the terminal.

Parameters

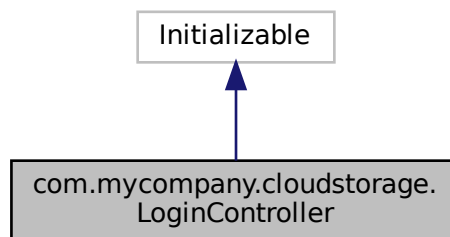
<i>url</i>	The location used to resolve relative paths for the root object, or null if the location is not known.
<i>rb</i>	The resources used to localize the root object, or null if the root object was not localized.

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

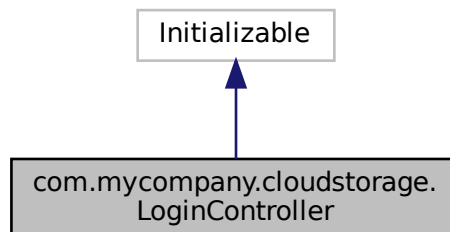
- src/main/java/com/mycompany/cloudstorage/[HomepageController.java](#)

6.5 com.mycompany.cloudstorage.LoginController Class Reference

Inheritance diagram for com.mycompany.cloudstorage.LoginController:



Collaboration diagram for com.mycompany.cloudstorage.LoginController:



Public Member Functions

- void [initialize](#) (URL url, ResourceBundle rb)
Initializes the controller class.
- void [handleLoginButtonAction](#) (ActionEvent event)
Handles the login button action.

6.5.1 Member Function Documentation

6.5.1.1 [handleLoginButtonAction\(\)](#)

```
void com.mycompany.cloudstorage.LoginController.handleLoginButtonAction (
   (ActionEvent event) [inline]
```

Handles the login button action.

Queries the database to check if the username and password are correct. If they are correct, opens the homepage of the application. If they are incorrect, shows an error message.

Parameters

<i>event</i>	The(ActionEvent) that triggered this method.
--------------	----------------------------------------------

6.5.1.2 [initialize\(\)](#)

```
void com.mycompany.cloudstorage.LoginController.initialize (
    URL url,
    ResourceBundle rb ) [inline]
```

Initializes the controller class.

Creates a connection to the SQLite database.

Parameters

<i>url</i>	The URL of the FXML file.
<i>rb</i>	The ResourceBundle for the FXML file.

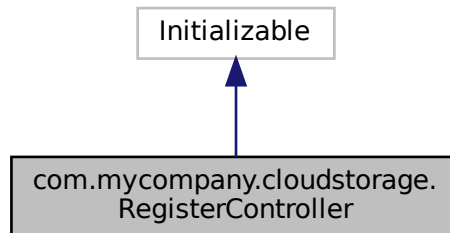
The documentation for this class was generated from the following file:

- src/main/java/com/mycompany/cloudstorage/LoginController.java

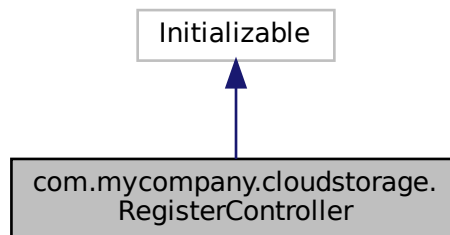
6.6 com.mycompany.cloudstorage.RegisterController Class Reference

This class is responsible for managing the registration screen.

Inheritance diagram for com.mycompany.cloudstorage.RegisterController:



Collaboration diagram for com.mycompany.cloudstorage.RegisterController:



Public Member Functions

- void `initialize` (URL url, ResourceBundle rb)
Initializes the controller class and sets up the database connection.

6.6.1 Detailed Description

This class is responsible for managing the registration screen.

6.6.2 Member Function Documentation

6.6.2.1 initialize()

```
void com.mycompany.cloudstorage.RegisterController.initialize (
    URL url,
    ResourceBundle rb ) [inline]
```

Initializes the controller class and sets up the database connection.

Parameters

<i>url</i>	The URL to the FXML file for the registration screen.
<i>rb</i>	The resource bundle for the registration screen.

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

- [src/main/java/com/mycompany/cloudstorage/RegisterController.java](#)

Chapter 7

File Documentation

7.1 src/main/java/com/mycompany/cloudstorage/App.java File Reference

Classes

- class [com.mycompany.cloudstorage.App](#)
The [App](#) class is the main class of the Cloud Storage application.

Packages

- package [com.mycompany.cloudstorage](#)
The [LoginController](#) class is a JavaFX controller for the login page of a Cloud Storage application.

7.1.1 Detailed Description

This file contains the definition of the App class, which is the main class of the Cloud Storage application.

7.2 src/main/java/com/mycompany/cloudstorage/FilesController.java File Reference

This is the controller class for the Files tab of the application.

Classes

- class [com.mycompany.cloudstorage.FilesController](#)
Controller class for the Files tab of the application.

Packages

- package [com.mycompany.cloudstorage](#)
The [LoginController](#) class is a JavaFX controller for the login page of a Cloud Storage application.

7.2.1 Detailed Description

This is the controller class for the Files tab of the application.

7.3 src/main/java/com/mycompany/cloudstorage/HomepageController.java File Reference

This is the controller class for the homepage of a cloud storage application.

Classes

- class [com.mycompany.cloudstorage.HomepageController](#)
This is the controller class for the homepage of a cloud storage application.

Packages

- package [com.mycompany.cloudstorage](#)
The [LoginController](#) class is a JavaFX controller for the login page of a Cloud Storage application.

7.3.1 Detailed Description

This is the controller class for the homepage of a cloud storage application.

The class handles events triggered by the user interface components and executes the corresponding actions.

Author

[Your Name]

Date

[Date]

7.4 src/main/java/com/mycompany/cloudstorage/RegisterController.java File Reference

This file contains the implementation of the RegisterController class.

Classes

- class [com.mycompany.cloudstorage.RegisterController](#)
This class is responsible for managing the registration screen.

Packages

- package [com.mycompany.cloudstorage](#)
The [LoginController](#) class is a JavaFX controller for the login page of a Cloud Storage application.

7.4.1 Detailed Description

This file contains the implementation of the RegisterController class.