

Gigantic Granite

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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:

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Chapter 3

Class Documentation

3.1 gui.simpleWindow.ActorRectangle Class Reference

Inherits Rectangle.

Public Member Functions

- boolean [isActive](#) ()
- String [getImdb](#) ()

Package Functions

- [ActorRectangle](#) (int x, int y, int width, int height, String name, String imdb, String reliability)

Private Member Functions

- void [showName](#) (MouseEvent event)
- void [hideName](#) ()

3.1.1 Detailed Description

Class with graphical representation of actor's rectangle

3.1.2 Constructor & Destructor Documentation

3.1.2.1 ActorRectangle()

```
gui.simpleWindow.ActorRectangle.ActorRectangle (
    int x,
    int y,
    int width,
    int height,
    String name,
    String imdb,
    String reliability ) [package]
```

Class constructor

Parameters

| | |
|--------------------|----------------------------|
| <i>x</i> | coordinate |
| <i>y</i> | coordinate |
| <i>width</i> | width of rectangle |
| <i>height</i> | height of rectangle |
| <i>name</i> | full name for tooltip |
| <i>imdb</i> | imdb id |
| <i>reliability</i> | recognition is right/wrong |

3.1.3 Member Function Documentation**3.1.3.1 getImdb()**

```
String gui.simpleWindow.ActorRectangle.getImdb ( )
```

Returns

actor's imdb identifier

3.1.3.2 hideName()

```
void gui.simpleWindow.ActorRectangle.hideName ( ) [private]
```

Hides tooltip with name

3.1.3.3 isActive()

```
boolean gui.simpleWindow.ActorRectangle.isActive ( )
```

Returns

if user is pointing this actor

3.1.3.4 showName()

```
void gui.simpleWindow.ActorRectangle.showName (
    MouseEvent event ) [private]
```

Shows tooltip with actor's name near to the rectangle

Parameters

| | |
|--------------|-----------------------------|
| <i>event</i> | mouse event for coordinates |
|--------------|-----------------------------|

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

- src/main/java/gui/simpleWindow/ActorRectangle.java

3.2 screenshots.BashCommandExecutor Class Reference

Static Package Functions

- static void [runCommand](#) (String command) throws Exception

3.2.1 Detailed Description

Class executing bash command

3.2.2 Member Function Documentation

3.2.2.1 runCommand()

```
static void screenshots.BashCommandExecutor.runCommand (  
    String command ) throws Exception [static], [package]
```

Runs given command

Parameters

| | |
|----------------|--------------------|
| <i>command</i> | command to execute |
|----------------|--------------------|

Exceptions

| | |
|------------------|--|
| <i>Exception</i> | |
|------------------|--|

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

- src/main/java/screenshots/ScreenshotViaGnome.java

3.3 cleaner.Cleaner Class Reference

Private Member Functions

- void [deleteScreenshotsFromSession](#) (Vector< String > paths)

3.3.1 Detailed Description

Class with actions to perform before exiting the program

3.3.2 Member Function Documentation

3.3.2.1 deleteScreenshotsFromSession()

```
void cleaner.Cleaner.deleteScreenshotsFromSession (
    Vector< String > paths ) [private]
```

Removes screens from drive

Parameters

| | |
|--------------|------------------------------|
| <i>paths</i> | vactor of screenshots' paths |
|--------------|------------------------------|

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

- src/main/java/cleaner/Cleaner.java

3.4 transmission.Client Class Reference

Inherited by transmission.User.

3.4.1 Detailed Description

[Client](#) class to communicate with server

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

- src/main/java/transmission/Client.java

3.5 keylistener.GlobalKeyListener Class Reference

Inherits Thread, and NativeKeyListener.

Public Member Functions

- void [run](#) ()
- void [nativeKeyPressed](#) (NativeKeyEvent e)
- void [nativeKeyReleased](#) (NativeKeyEvent e)

Static Public Member Functions

- static void [setListenerState](#) (boolean state)
- static void [setConfig](#) (int basic, int extra)
- static int [] [getCurrentConfig](#) ()

Static Private Member Functions

- static void [startListener](#) ()

3.5.1 Detailed Description

Class of global keyboard listener (defined actions for PRTSCR and combination ALT+PRTSCR).

3.5.2 Member Function Documentation

3.5.2.1 [getCurrentConfig\(\)](#)

```
static int [] keylistener.GlobalKeyListener.getCurrentConfig ( ) [static]
```

Gets current key configuration

Returns

array with basic and extra keys

3.5.2.2 [nativeKeyPressed\(\)](#)

```
void keylistener.GlobalKeyListener.nativeKeyPressed (
    NativeKeyEvent e )
```

Listens for keys pressing

Parameters

| | |
|----------|--------------------|
| <i>e</i> | mouse click events |
|----------|--------------------|

3.5.2.3 nativeKeyReleased()

```
void keylistener.GlobalKeyListener.nativeKeyReleased (
    NativeKeyEvent e )
```

Listens for keys releasing

Parameters

| | |
|----------|--------------------|
| <i>e</i> | mouse click events |
|----------|--------------------|

3.5.2.4 run()

```
void keylistener.GlobalKeyListener.run ( )
```

Start listener thread

3.5.2.5 setConfig()

```
static void keylistener.GlobalKeyListener.setConfig (
    int basic,
    int extra ) [static]
```

Sets new keys configuration

Parameters

| | |
|--------------|---------------|
| <i>basic</i> | new basic key |
| <i>extra</i> | new extra key |

3.5.2.6 setListenerState()

```
static void keylistener.GlobalKeyListener.setListenerState (
    boolean state ) [static]
```

Enables or disables listener

Parameters

| | |
|--------------|--------------------|
| <i>state</i> | new listener state |
|--------------|--------------------|

3.5.2.7 startListener()

```
static void keylistener.GlobalKeyListener.startListener ( ) [static], [private]
```

Starts global key listener

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

- src/main/java/keylistener/GlobalKeyListener.java

3.6 gui.GUIManager Class Reference

Static Public Member Functions

- static void [createSimpleWindow](#) (ArrayList< SimpleActor > actorsData)
- static void [showDetailsPane](#) ()
- static void [setScreenSize](#) (WindowInfo info)
- static void [clearSimpleWindow](#) ()
- static void [setProgramMode](#) (boolean isEnabled)
- static String [] [loadSettings](#) ()
- static void [saveConfig](#) (String basic, String extra)

3.6.1 Detailed Description

Class with static methods to communicate between javafx GUI and other components

3.6.2 Member Function Documentation

3.6.2.1 clearSimpleWindow()

```
static void gui.GUIManager.clearSimpleWindow ( ) [static]
```

Clear javafx window data

3.6.2.2 createSimpleWindow()

```
static void gui.GUIManager.createSimpleWindow (
    ArrayList< SimpleActor > actorsData ) [static]
```

Creates javafx window from given actors data

Parameters

| | |
|-------------------|---------------------------|
| <i>actorsData</i> | list of actors to display |
|-------------------|---------------------------|

3.6.2.3 loadSettings()

```
static String [] gui.GUIManager.loadSettings ( ) [static]
```

Loads current listener settings

Returns

settings

3.6.2.4 saveConfig()

```
static void gui.GUIManager.saveConfig (
    String basic,
    String extra ) [static]
```

Sets new listener settings

Parameters

| | |
|--------------|---------------|
| <i>basic</i> | new basic key |
| <i>extra</i> | new extra key |

3.6.2.5 setProgramMode()

```
static void gui.GUIManager.setProgramMode (
    boolean isEnabled ) [static]
```

Enables or disables key listener

Parameters

| | |
|------------------|--------------------|
| <i>isEnabled</i> | new listener state |
|------------------|--------------------|

3.6.2.6 setScreenSize()

```
static void gui.GUIManager.setScreenSize (
    WindowInfo info ) [static]
```

Sets local window info

Parameters

| | |
|-------------|----------------|
| <i>info</i> | new windowInfo |
|-------------|----------------|

3.6.2.7 showDetailsPane()

```
static void gui.GUIManager.showDetailsPane ( ) [static]
```

Shows javafx details window

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

- src/main/java/gui/GUIManager.java

3.7 screenshots.IScreenshooter Interface Reference

Inheritance diagram for screenshots.IScreenshooter:

3.8 gui.simpleWindow.JavaFXSimpleWindow Class Reference

Inherits Application.

Public Member Functions

- void [start](#) (final Stage stage)

Static Public Member Functions

- static void [relocateWindow](#) (WindowInfo windowPos)
- static void [loadActors](#) (ArrayList< SimpleActor > recognizedActors)
- static void [drawRectangles](#) ()
- static void [clearData](#) ()
- static void [showDetailsPanel](#) ()
- static void [setActorDetails](#) (String imdb_id)
- static void [main](#) (String[] args)

Static Private Member Functions

- static void [setLabelCss](#) (Label label)
- static SimpleActor [getActiveActor](#) ()

3.8.1 Detailed Description

Base JavaFX application window

3.8.2 Member Function Documentation

3.8.2.1 [clearData\(\)](#)

```
static void gui.simpleWindow.JavaFXSimpleWindow.clearData ( ) [static]
```

Removes data from vectors and windows

3.8.2.2 [drawRectangles\(\)](#)

```
static void gui.simpleWindow.JavaFXSimpleWindow.drawRectangles ( ) [static]
```

Draws rectangles around all recognized actors' faces

3.8.2.3 [getActiveActor\(\)](#)

```
static SimpleActor gui.simpleWindow.JavaFXSimpleWindow.getActiveActor ( ) [static], [private]
```

Gets current active SimpleActor instance

Returns

3.8.2.4 [loadActors\(\)](#)

```
static void gui.simpleWindow.JavaFXSimpleWindow.loadActors (
    ArrayList< SimpleActor > recognizedActors ) [static]
```

Load actors got from server

Parameters

| | |
|-------------------------|-------------------------------|
| <i>recognizedActors</i> | vector with recognized actors |
|-------------------------|-------------------------------|

3.8.2.5 main()

```
static void gui.simpleWindow.JavaFXSimpleWindow.main (
    String [] args ) [static]
```

Launches application window

Parameters

| | |
|-------------|---------------------|
| <i>args</i> | program's arguments |
|-------------|---------------------|

3.8.2.6 relocateWindow()

```
static void gui.simpleWindow.JavaFXSimpleWindow.relocateWindow (
    WindowInfo windowPos ) [static]
```

Sets window position to given coordinates

Parameters

| | |
|------------------|--------------------|
| <i>windowPos</i> | active window info |
|------------------|--------------------|

3.8.2.7 setActorDetails()

```
static void gui.simpleWindow.JavaFXSimpleWindow.setActorDetails (
    String imdb_id ) [static]
```

Sets details fields for clicked actor

Parameters

| | |
|----------------------|-----------------|
| <i>imdb↔ _id</i> | imdb identifier |
|----------------------|-----------------|

3.8.2.8 setLabelCss()

```
static void gui.simpleWindow.JavaFXSimpleWindow.setLabelCss (
    Label label ) [static], [private]
```

Sets font for given label

Parameters

| | |
|--------------|-----------------|
| <i>label</i> | label to modify |
|--------------|-----------------|

3.8.2.9 showDetailsPanel()

```
static void gui.simpleWindow.JavaFXSimpleWindow.showDetailsPanel ( ) [static]
```

Shows panel with actor's details

3.8.2.10 start()

```
void gui.simpleWindow.JavaFXSimpleWindow.start (
    final Stage stage )
```

Starts JavaFX and creates main components

Parameters

| | |
|--------------|--|
| <i>stage</i> | |
|--------------|--|

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

- src/main/java/gui/simpleWindow/JavaFXSimpleWindow.java

3.9 json.JSONModelParser Class Reference**Static Public Member Functions**

- static ArrayList< SimpleActor > [parseToSimpleActor](#) (JSONArray json)
- static ArrayList< Actor > [parseToActor](#) (JSONArray json)

Static Private Member Functions

- static ArrayList< MovieCredit > [parseToMovieCredit](#) (JSONArray json)

3.9.1 Detailed Description

JSON parser class

3.9.2 Member Function Documentation

3.9.2.1 parseToActor()

```
static ArrayList<Actor> json.JSONModelParser.parseToActor (
    JSONArray json ) [static]
```

Gets actor info from given json

Parameters

| | |
|-------------|------------------|
| <i>json</i> | json from server |
|-------------|------------------|

Returns

list of Actor instances

3.9.2.2 parseToMovieCredit()

```
static ArrayList<MovieCredit> json.JSONModelParser.parseToMovieCredit (
    JSONArray json ) [static], [private]
```

Gets movies info from given json

Parameters

| | |
|-------------|------------------|
| <i>json</i> | json from server |
|-------------|------------------|

Returns

list of MoveCredit instances

3.9.2.3 parseToSimpleActor()

```
static ArrayList<SimpleActor> json.JSONModelParser.parseToSimpleActor (
    JSONArray json ) [static]
```

Gets actor info from given json

Parameters

| | |
|-------------|------------------|
| <i>json</i> | json from server |
|-------------|------------------|

Returns

list of SimpleActor instances

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

- src/main/java/json/JSONModelParser.java

3.10 keylistener.KeyTranslator Class Reference

Static Public Member Functions

- static int [getKeyNumber](#) (String name)
- static String [getKeyName](#) (int number)

3.10.1 Detailed Description

Translates given names to JNativeHook numbers and numbers to JVativeHook names

3.10.2 Member Function Documentation

3.10.2.1 [getKeyName\(\)](#)

```
static String keylistener.KeyTranslator.getKeyName (  
    int number ) [static]
```

Translates key number to key name

Parameters

| | |
|---------------|------------|
| <i>number</i> | key number |
|---------------|------------|

Returns

key name

3.10.2.2 getKeyNumber()

```
static int keylistener.KeyTranslator.getKeyNumber (
    String name ) [static]
```

Translates string with name to key number

Parameters

| | |
|-------------|----------|
| <i>name</i> | key name |
|-------------|----------|

Returns

key number

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

- src/main/java/keylistener/KeyTranslator.java

3.11 main.Main Class Reference

3.11.1 Detailed Description

[Main](#) class

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

- src/main/java/main/Main.java

3.12 gui.simpleWindow.RunSimpleWindow Class Reference

Inherits Thread.

Public Member Functions

- [RunSimpleWindow](#) ()
- void [run](#) ()

3.12.1 Detailed Description

Thread to run JavaFX window from the outside thread

3.12.2 Constructor & Destructor Documentation

3.12.2.1 RunSimpleWindow()

```
gui.simpleWindow.RunSimpleWindow.RunSimpleWindow ( )
```

Constructor

3.12.3 Member Function Documentation

3.12.3.1 run()

```
void gui.simpleWindow.RunSimpleWindow.run ( )
```

Runs thread

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

- src/main/java/gui/simpleWindow/RunSimpleWindow.java

3.13 screenshots.ScreenshotManager Class Reference

Collaboration diagram for screenshots.ScreenshotManager:

Public Member Functions

- void [captureFullScreen](#) () throws Exception
- void [captureActiveWindow](#) () throws Exception
- void [sendScreenshot](#) ()

3.13.1 Detailed Description

Class with methods to manage created screenshots

3.13.2 Member Function Documentation

3.13.2.1 captureActiveWindow()

```
void screenshots.ScreenshotManager.captureActiveWindow ( ) throws Exception
```

Takes screenshot of active window

Exceptions

| | |
|------------------|--|
| <i>Exception</i> | |
|------------------|--|

3.13.2.2 captureFullScreen()

```
void screenshots.ScreenshotManager.captureFullScreen ( ) throws Exception
```

Takes full screenshot

Exceptions

| | |
|------------------|--|
| <i>Exception</i> | |
|------------------|--|

3.13.2.3 sendScreenshot()

```
void screenshots.ScreenshotManager.sendScreenshot ( )
```

Runs method on client to send screenshot

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

- src/main/java/screenshots/ScreenshotManager.java

3.14 screenshots.ScreenshotViaGnome Class Reference

Inheritance diagram for screenshots.ScreenshotViaGnome:

Collaboration diagram for screenshots.ScreenshotViaGnome:

3.14.1 Detailed Description

Class implements interface for taking screenshots using a Linux program called gnome-screenshot

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

- src/main/java/screenshots/ScreenshotViaGnome.java

3.15 gui.simpleWindow.TestDetailsPane Class Reference

3.15.1 Detailed Description

Test class for details panel with dummy data

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

- src/main/java/gui/simpleWindow/TestDetailsPane.java

3.16 gui.tray.TrayGUI Class Reference

Static Public Member Functions

- static void [showTooltipBalloon](#) (String message)

Private Member Functions

- void [createAndShow](#) ()
- void [showLoginWindow](#) ()
- void [showSettingsWindow](#) ()

3.16.1 Detailed Description

Tray icon with context menu. Linux-friendly.

3.16.2 Member Function Documentation

3.16.2.1 createAndShow()

```
void gui.tray.TrayGUI.createAndShow ( ) [private]
```

Creates simple context menu attached to tray image

3.16.2.2 showLoginWindow()

```
void gui.tray.TrayGUI.showLoginWindow ( ) [private]
```

Displays dialog asking for login credentials.

3.16.2.3 showSettingsWindow()

```
void gui.tray.TrayGUI.showSettingsWindow ( ) [private]
```

Displays dialog with settings

3.16.2.4 showTooltipBalloon()

```
static void gui.tray.TrayGUI.showTooltipBalloon (
    String message ) [static]
```

Shows balloon tooltip with message

Parameters

| | |
|----------------|-------------------|
| <i>message</i> | string to display |
|----------------|-------------------|

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

- src/main/java/gui/tray/TrayGUI.java

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