

---

**Package**

**io.reneses.tela**

# io.reneses.tela

## Class App

java.lang.Object

└─io.reneses.tela.App

public class **App**  
extends java.lang.Object

### Constructor Summary

public     [App\(\)](#)

### Method Summary

static void     [main](#)(java.lang.String[] args)  
Basic app sample

Methods inherited from class java.lang.Object

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

### Constructors

#### App

public **App**()

### Methods

#### main

public static void **main**(java.lang.String[] args)

Basic app sample

#### Parameters:

args - Ignored

## io.reneses.tela Class Assembler

java.lang.Object

└─io.reneses.tela.Assembler

public class **Assembler**  
extends java.lang.Object

The purpose of the Assembler is to read the configuration, createOrUpdate and configure the desired components and bind everything together, returning a TelaServer instance

### Method Summary

static <a href="#">TelaServer</a>	<a href="#">build</a> ( <a href="#">Configuration</a> config, <a href="#">TelaModule[]</a> modules) Create, configure and bind the required components
static <a href="#">TelaServer</a>	<a href="#">build</a> ( <a href="#">TelaModule[]</a> modules) Create, configure and bind the required components

### Methods inherited from class java.lang.Object

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

## Methods

### build

public static [TelaServer](#) **build**([Configuration](#) config,  
[TelaModule\[\]](#) modules)

Create, configure and bind the required components

#### Parameters:

config - Tela configuration  
modules - Tela modules

#### Returns:

Tela Server configured instance

### build

public static [TelaServer](#) **build**([TelaModule\[\]](#) modules)

Create, configure and bind the required components

#### Parameters:

modules - Tela modules

#### Returns:

Tela Server configured instance

---

**Package**

**io.reneses.tela.core.api.controllers**

io.reneses.tela.core.api.controllers

# Class ActionController



```
public class ActionController
extends TelaController
```

Controller in charge of executing actions

Fields inherited from class <a href="#">io.reneses.tela.core.api.controllers.TelaController</a>
<a href="#">dispatcher</a> , <a href="#">scheduler</a> , <a href="#">sessionManager</a>

## Constructor Summary

public	<a href="#">ActionController</a> () Constructor for ActionController.
--------	--

## Method Summary

javax.ws.rs.core.Response	<a href="#">execute</a> (javax.servlet.http.HttpServletRequest request, java.lang.String authorization, java.lang.String module, java.lang.String action) Execute an action
---------------------------	--

Methods inherited from class <a href="#">io.reneses.tela.core.api.controllers.TelaController</a>
<a href="#">buildErrorResponse</a> , <a href="#">buildResponse</a> , <a href="#">configureComponents</a> , <a href="#">extractSession</a> , <a href="#">getIntParameter</a> , <a href="#">getParameter</a>

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructors

### ActionController

```
public ActionController()

    Constructor for ActionController.
```

## Methods

(continued from last page)

## **execute**

```
public javax.ws.rs.core.Response execute( javax.servlet.http.HttpServletRequest
request,
    java.lang.String authorization,
    java.lang.String module,
    java.lang.String action)
```

Execute an action

### **Parameters:**

request - Http request  
authorization - Authorization header  
module - Module  
action - Action

### **Returns:**

Action result

# io.reneses.tela.core.api.controllers

## Class AuthController

java.lang.Object

```

  |
  +--io.reneses.tela.core.api.controllers.TelaController
      |
      +--io.reneses.tela.core.api.controllers.AuthController
  
```

public class **AuthController**  
 extends [TelaController](#)

Auth controller

Fields inherited from class [io.reneses.tela.core.api.controllers.TelaController](#)

[dispatcher](#), [scheduler](#), [sessionManager](#)

## Constructor Summary

public	<a href="#">AuthController</a> () Constructor for AuthController.
--------	--

## Method Summary

javax.ws.rs.core.Response	<a href="#">addToken</a> (javax.servlet.http.HttpServletRequest request, java.lang.String authorization, java.lang.String module, java.lang.String token) Add a module token to the current session
javax.ws.rs.core.Response	<a href="#">create</a> (javax.servlet.http.HttpServletRequest request, java.lang.String module, java.lang.String token) Create a session
javax.ws.rs.core.Response	<a href="#">delete</a> (javax.servlet.http.HttpServletRequest request, java.lang.String authorization) Delete a session
javax.ws.rs.core.Response	<a href="#">deleteToken</a> (javax.servlet.http.HttpServletRequest request, java.lang.String authorization, java.lang.String module) Delete a module token from the current user

Methods inherited from class [io.reneses.tela.core.api.controllers.TelaController](#)

[buildErrorResponse](#), [buildResponse](#), [configureComponents](#), [extractSession](#), [getIntParameter](#), [getParameter](#)

Methods inherited from class java.lang.Object

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

## Constructors

(continued from last page)

## AuthController

```
public AuthController()
```

Constructor for AuthController.

## Methods

### create

```
public javax.ws.rs.core.Response create(javax.servlet.http.HttpServletRequest request,  
    java.lang.String module,  
    java.lang.String token)
```

Create a session

#### Parameters:

request - HTTP request  
module - Module token  
token - Token

#### Returns:

Access token

### delete

```
public javax.ws.rs.core.Response delete(javax.servlet.http.HttpServletRequest request,  
    java.lang.String authorization)
```

Delete a session

#### Parameters:

request - HTTP request  
authorization - Authorization header

#### Returns:

Success response

### addToken

```
public javax.ws.rs.core.Response addToken(javax.servlet.http.HttpServletRequest  
request,  
    java.lang.String authorization,  
    java.lang.String module,  
    java.lang.String token)
```

Add a module token to the current session

#### Parameters:

request - HTTP request  
authorization - Authorization header  
module - Module  
token - Token

#### Returns:

Success response



(continued from last page)

## deleteToken

```
public javax.ws.rs.core.Response deleteToken( javax.servlet.http.HttpServletRequest  
request,  
        java.lang.String authorization,  
        java.lang.String module)
```

Delete a module token from the current user

### Parameters:

request - HTTP request  
authorization - Authorization header  
module - Module

### Returns:

Success response

## io.reneses.tela.core.api.controllers

### Class GeneralController

java.lang.Object

└-[io.reneses.tela.core.api.controllers.TelaController](#)  
 └-[io.reneses.tela.core.api.controllers.GeneralController](#)

public class **GeneralController**  
 extends [TelaController](#)

General controller

Fields inherited from class [io.reneses.tela.core.api.controllers.TelaController](#)

[dispatcher](#), [scheduler](#), [sessionManager](#)

### Constructor Summary

public	<a href="#">GeneralController</a> () Constructor for GeneralController.
--------	--

### Method Summary

javax.ws.rs.core.Response	<a href="#">help</a> () Help endpoint
javax.ws.rs.core.Response	<a href="#">help</a> (java.lang.String module) Help of a specific module
java.lang.String	<a href="#">test</a> () Simply act as test endpoint

Methods inherited from class [io.reneses.tela.core.api.controllers.TelaController](#)

[buildErrorResponse](#), [buildResponse](#), [configureComponents](#), [extractSession](#),  
[getIntParameter](#), [getParameter](#)

Methods inherited from class java.lang.Object

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

### Constructors

#### GeneralController

public **GeneralController**()

Constructor for GeneralController.

### Methods

(continued from last page)

## test

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

Simply act as test endpoint

**Returns:**

OK

---

## help

```
public javax.ws.rs.core.Response help()
```

Help endpoint

**Returns:**

A list of all the configured modules and its actions

---

## help

```
public javax.ws.rs.core.Response help(java.lang.String module)
```

Help of a specific module

**Parameters:**

module - Module

**Returns:**

List of actions of the module

io.reneses.tela.core.api.controllers

Class SchedulerController



```
public class SchedulerController
extends TelaController
```

Scheduler controller exposing the scheduling functionality

Fields inherited from class <a href="#">io.reneses.tela.core.api.controllers.TelaController</a>
<a href="#">dispatcher</a> , <a href="#">scheduler</a> , <a href="#">sessionManager</a>

Constructor Summary

public	<a href="#">SchedulerController</a> () Constructor for SchedulerController.
--------	--

Method Summary

javax.ws.rs.core.Response	<a href="#">cancel</a> (javax.servlet.http.HttpServletRequest request, java.lang.String authorization, java.lang.String actionId) Delete a specific scheduled action
javax.ws.rs.core.Response	<a href="#">cancelAll</a> (javax.servlet.http.HttpServletRequest request, java.lang.String authorization) Cancel all the scheduled actions by the session
javax.ws.rs.core.Response	<a href="#">getScheduled</a> (javax.servlet.http.HttpServletRequest request, java.lang.String authorization) Get all the scheduled actions by the current session
javax.ws.rs.core.Response	<a href="#">schedule</a> (javax.servlet.http.HttpServletRequest request, java.lang.String authorization, java.lang.String module, java.lang.String action) Schedule an action

Methods inherited from class <a href="#">io.reneses.tela.core.api.controllers.TelaController</a>
<a href="#">buildErrorResponse</a> , <a href="#">buildResponse</a> , <a href="#">configureComponents</a> , <a href="#">extractSession</a> , <a href="#">getIntParameter</a> , <a href="#">getParameter</a>

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

(continued from last page)

## SchedulerController

```
public SchedulerController()
```

Constructor for SchedulerController.

## Methods

### schedule

```
public javax.ws.rs.core.Response schedule( javax.servlet.http.HttpServletRequest  
request,  
        java.lang.String authorization,  
        java.lang.String module,  
        java.lang.String action)
```

Schedule an action

**Parameters:**

request - http request  
authorization - authorization header  
module - Action module  
action - Action

**Returns:**

Scheduled task

### getScheduled

```
public javax.ws.rs.core.Response getScheduled( javax.servlet.http.HttpServletRequest  
request,  
        java.lang.String authorization)
```

Get all the scheduled actions by the current session

**Parameters:**

request - Http request  
authorization - Authorization header

**Returns:**

List of scheduled actions

### cancelAll

```
public javax.ws.rs.core.Response cancelAll( javax.servlet.http.HttpServletRequest  
request,  
        java.lang.String authorization)
```

Cancel all the scheduled actions by the session

**Parameters:**

request - Http request  
authorization - Authorization header

**Returns:**

Success response

(continued from last page)

## cancel

```
public javax.ws.rs.core.Response cancel(javax.servlet.http.HttpServletRequest request,  
    java.lang.String authorization,  
    java.lang.String actionId)
```

Delete a specific scheduled action

### Parameters:

request - Http request  
authorization - Authorization header  
actionId - ID of the action to remove

### Returns:

Success response

# io.reneses.tela.core.api.controllers

## Class TelaController

java.lang.Object

↳-io.reneses.tela.core.api.controllers.TelaController

Direct Known Subclasses:

[ActionController](#), [AuthController](#), [GeneralController](#), [SchedulerController](#)

public abstract class **TelaController**  
extends java.lang.Object

The API Service contains logic used by the the API controllers

### Field Summary

protected static	<a href="#">dispatcher</a>
protected static	<a href="#">scheduler</a>
protected static	<a href="#">sessionManager</a>

### Constructor Summary

public	<a href="#">TelaController()</a> Constructor for TelaController.
--------	---

### Method Summary

static javax.ws.rs.core.Response	<a href="#">buildErrorResponse</a> (int code, java.lang.String message) Build an error response
static javax.ws.rs.core.Response	<a href="#">buildResponse</a> (java.lang.Object result) Build a success response
static void	<a href="#">configureComponents</a> ( <a href="#">SessionManager</a> telaSessionManager, <a href="#">ActionDispatcher</a> telaDispatcher, <a href="#">Scheduler</a> telaScheduler) Configure (inject) the components that the controllers will use This has to be done before any controller is instantiated (this is, before starting the server)
<a href="#">Session</a>	<a href="#">extractSession</a> (java.lang.String authorizationHeader) Extract the session from the authorization header
static java.lang.Integer	<a href="#">getIntParameter</a> (java.util.Map params, java.lang.String param, java.lang.Integer defaultValue) Extract an integer parameter, or return a default value
static java.lang.String	<a href="#">getParameter</a> (java.util.Map params, java.lang.String param, java.lang.String defaultValue) Extract a parameter or return a default value

Methods inherited from class java.lang.Object

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

## Fields

### sessionManager

```
protected static io.reneses.tela.core.sessions.SessionManager sessionManager
```

### dispatcher

```
protected static io.reneses.tela.core.dispatcher.ActionDispatcher dispatcher
```

### scheduler

```
protected static io.reneses.tela.core.scheduler.Scheduler scheduler
```

## Constructors

### TelaController

```
public TelaController()
```

Constructor for TelaController.

## Methods

### configureComponents

```
public static void configureComponents(SessionManager telaSessionManager,  
    ActionDispatcher telaDispatcher,  
    Scheduler telaScheduler)
```

Configure (inject) the components that the controllers will use This has to be done before any controller is instantiated (this is, before starting the server)

#### Parameters:

telaSessionManager - Session manager  
telaDispatcher - Action dispatcher  
telaScheduler - Scheduler

### extractSession

```
protected Session extractSession(java.lang.String authorizationHeader)  
throws AuthorizationApiException
```

Extract the session from the authorization header

#### Parameters:

authorizationHeader - Authorization header



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**Returns:**

Session Authorization session

**Throws:**[AuthorizationApiException](#) - If the header is incorrect or the session is not found

---

## getParameter

```
protected static java.lang.String getParameter(java.util.Map params,  
        java.lang.String param,  
        java.lang.String defaultValue)
```

Extract a parameter or return a default value

**Parameters:**

params - Params

params - Params

param - Name of the parameter to extract

defaultValue - Default value

**Returns:**

Param value if present, default value otherwise

---

## getIntParameter

```
protected static java.lang.Integer getIntParameter(java.util.Map params,  
        java.lang.String param,  
        java.lang.Integer defaultValue)  
throws ParameterException
```

Extract an integer parameter, or return a default value

**Parameters:**

params - Params

params - Params

param - Name of the parameter to extract

defaultValue - Default value

**Returns:**

Param value if present, default value otherwise

**Throws:**[ParameterException](#) - If the parameter is not a valid integer

---

## buildResponse

```
protected static javax.ws.rs.core.Response buildResponse(java.lang.Object result)
```

Build a success response

**Parameters:**

result - Result

**Returns:**

Response

(continued from last page)

## buildErrorResponse

```
protected static javax.ws.rs.core.Response buildErrorResponse(int code,  
    java.lang.String message)
```

Build an error response

### Parameters:

code - Error code

message - Error message

### Returns:

Error response

---

**Package**

**io.reneses.tela.core.api.exceptions**

# io.reneses.tela.core.api.exceptions

## Class ApiException

```

java.lang.Object
  |-- java.lang.Throwable
    |-- java.lang.Exception
      |-- io.reneses.tela.core.api.exceptions.ApiException

```

### All Implemented Interfaces:

java.io.Serializable

### Direct Known Subclasses:

[TwitterException](#), [InstagramException](#), [ActionAlreadyScheduledException](#), [ActionNotSchedulableException](#), [ActionNotScheduledException](#), [ForbiddenSchedulerException](#), [ActionNotDefinedException](#), [InvalidParameterTypeException](#), [ModuleNotDefinedException](#), [AuthorizationApiException](#), [ParameterException](#)

public abstract class **ApiException**  
 extends java.lang.Exception

Exception raised by the API, accepting a HTTP status code

### Fields inherited from class java.lang.Exception

serialVersionUID

## Constructor Summary

public	<a href="#">ApiException</a> (java.lang.String message, int statusCode) API Exception constructor
--------	--

## Method Summary

int	<a href="#">getStatusCode</a> () Get the HTTP status code
-----	--

### Methods inherited from class java.lang.Throwable

addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

### Methods inherited from class java.lang.Object

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

## Constructors

(continued from last page)

## ApiException

```
public ApiException(java.lang.String message,  
                    int statusCode)
```

API Exception constructor

### Parameters:

message - Exception message  
statusCode - HTTP code

## Methods

### getStatusCode

```
public int getStatusCode()
```

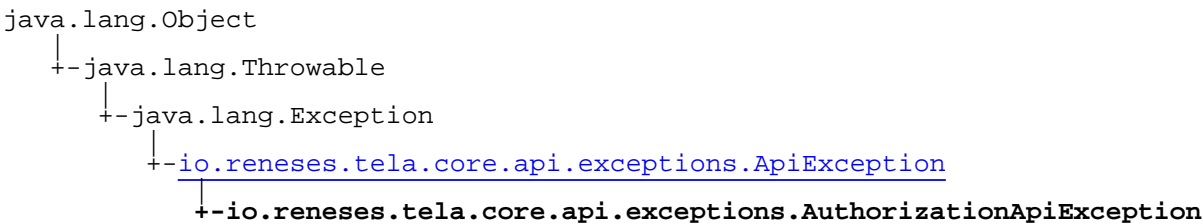
Get the HTTP status code

### Returns:

HTTP status code

# io.reneses.tela.core.api.exceptions

## Class AuthorizationApiException



All Implemented Interfaces:  
java.io.Serializable

Direct Known Subclasses:  
[ModuleTokenNotFoundException](#), [SessionNotFoundException](#)

public class **AuthorizationApiException**  
extends [ApiException](#)

API raised an exception due to an authorization issue

Fields inherited from class java.lang.Exception
serialVersionUID

Constructor Summary	
public	<a href="#">AuthorizationApiException</a> (java.lang.String message) Constructor for AuthorizationApiException.

Methods inherited from class <a href="#">io.reneses.tela.core.api.exceptions.ApiException</a>
<a href="#">getStatusCode</a>

Methods inherited from class java.lang.Throwable
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructors

**AuthorizationApiException**  
public **AuthorizationApiException**(java.lang.String message)

(continued from last page)

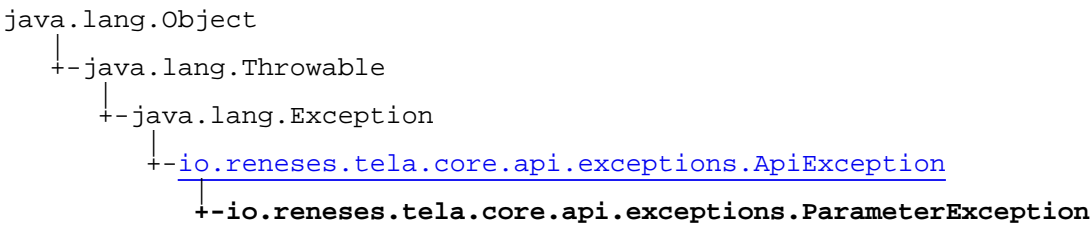
Constructor for AuthorizationApiException.

**Parameters:**

message - Error message

# io.reneses.tela.core.api.exceptions

## Class ParameterException



All Implemented Interfaces:  
java.io.Serializable

Direct Known Subclasses:  
[RequiredParameterException](#)

public class **ParameterException**  
extends [ApiException](#)

API raised an exception due to a required parameter that is missing

Fields inherited from class java.lang.Exception	
	serialVersionUID

Constructor Summary	
public	<a href="#">ParameterException</a> ( java.lang.String message) Constructor for ParameterException.

Methods inherited from class <a href="#">io.reneses.tela.core.api.exceptions.ApiException</a>	
	<a href="#">getStatusCode</a>

Methods inherited from class java.lang.Throwable	
	addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object	
	clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructors

**ParameterException**

public **ParameterException**(java.lang.String message)



(continued from last page)

Constructor for ParameterException.

**Parameters:**

message - Error message

## io.reneses.tela.core.api.exceptions Class RequiredParameterException

```

java.lang.Object
  |-- java.lang.Throwable
    |-- java.lang.Exception
      |-- io.reneses.tela.core.api.exceptions.ApiException
        |-- io.reneses.tela.core.api.exceptions.ParameterException
          |-- io.reneses.tela.core.api.exceptions.RequiredParameterException

```

### All Implemented Interfaces:

java.io.Serializable

public class **RequiredParameterException**  
extends [ParameterException](#)

API raised an exception due to a parameter presents some problem

#### Fields inherited from class java.lang.Exception

serialVersionUID

### Constructor Summary

public	<a href="#">RequiredParameterException</a> ( java.lang.String message) Constructor for RequiredParameterException.
--------	---

#### Methods inherited from class [io.reneses.tela.core.api.exceptions.ApiException](#)

[getStatusCode](#)

#### Methods inherited from class java.lang.Throwable

addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

#### Methods inherited from class java.lang.Object

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

### Constructors

#### RequiredParameterException

public **RequiredParameterException**( java.lang.String message)

Constructor for RequiredParameterException.

(continued from last page)

**Parameters:**

message - Error message

---

**Package**

**io.reneses.tela.core.api.responses**

## io.reneses.tela.core.api.responses

### Class ScheduledActionResponse

```
java.lang.Object
```

```
└--io.reneses.tela.core.api.responses.ScheduledActionResponse
```

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

Response given by the scheduler Once an action is scheduled, the API return its result and the scheduled action

#### Parameters:

T - Result type of the scheduled action

### Constructor Summary

public	<a href="#">ScheduledActionResponse</a> ( ) Constructor for ScheduledActionResponse.
public	<a href="#">ScheduledActionResponse</a> ( <a href="#">ScheduledAction</a> action, java.lang.Object result) Constructor for ScheduledActionResponse.

### Method Summary

<a href="#">ScheduledAction</a>	<a href="#">getAction</a> ( ) Getter for the field action.
java.lang.Object	<a href="#">getResult</a> ( ) Getter for the field result.
void	<a href="#">setAction</a> ( <a href="#">ScheduledAction</a> action) Setter for the field action.
void	<a href="#">setResult</a> (java.lang.Object result) Setter for the field result.

#### Methods inherited from class java.lang.Object

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

### Constructors

#### ScheduledActionResponse

```
public ScheduledActionResponse( )
```

Constructor for ScheduledActionResponse. Needed for deserialization

(continued from last page)

## ScheduledActionResponse

```
public ScheduledActionResponse(ScheduledAction action,  
                               java.lang.Object result)
```

Constructor for ScheduledActionResponse.

**Parameters:**

action - a [ScheduledAction](#) object.

result - a T object.

## Methods

### getAction

```
public ScheduledAction getAction()
```

Getter for the field action.

**Returns:**

a [ScheduledAction](#) object.

### setAction

```
public void setAction(ScheduledAction action)
```

Setter for the field action.

**Parameters:**

action - a [ScheduledAction](#) object.

### getResult

```
public java.lang.Object getResult()
```

Getter for the field result.

**Returns:**

a T object.

### setResult

```
public void setResult(java.lang.Object result)
```

Setter for the field result.

**Parameters:**

result - a T object.

---

**Package**

**io.reneses.tela.core.api.server**

## io.reneses.tela.core.api.server Class AbstractTelaServer

java.lang.Object

└-io.reneses.tela.core.api.server.AbstractTelaServer

All Implemented Interfaces:

[TelaServer](#)

Direct Known Subclasses:

[JettyTelaServer](#)

abstract class **AbstractTelaServer**

extends java.lang.Object

implements [TelaServer](#)

Common functionality for a Tela Server

Fields inherited from interface [io.reneses.tela.core.api.server.TelaServer](#)

[DEFAULT\\_PORT](#)

### Constructor Summary

[AbstractTelaServer](#)(int port)

Constructor admitting a port

### Method Summary

java.lang.String

[getLocalIp](#)()

Get local IP

int

[getPort](#)()

Get the port the server is running at

Methods inherited from class java.lang.Object

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

Methods inherited from interface [io.reneses.tela.core.api.server.TelaServer](#)

[getLocalIp](#), [getPort](#), [isRunning](#), [start](#), [stop](#)

### Constructors

#### **AbstractTelaServer**

**AbstractTelaServer**(int port)

Constructor admitting a port



(continued from last page)

**Parameters:**

port - Port to use

## Methods

**getPort**

```
public int getPort()
```

Get the port the server is running at

**Returns:**Port number

---

**getLocalIp**

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

Get local IP

**Returns:**

Local IP

# io.reneses.tela.core.api.server

## Class JettyTelaServer

java.lang.Object

```

  |
  +--io.reneses.tela.core.api.server.AbstractTelaServer
      |
      +--io.reneses.tela.core.api.server.JettyTelaServer
  
```

All Implemented Interfaces:

[TelaServer](#)

class **JettyTelaServer**  
 extends [AbstractTelaServer](#)

Fields inherited from interface [io.reneses.tela.core.api.server.TelaServer](#)

[DEFAULT\\_PORT](#)

## Constructor Summary

	<a href="#">JettyTelaServer</a> (int serverPort) Constructor admitting a port
--	--

## Method Summary

boolean	<a href="#">isRunning</a> ()
---------	------------------------------

<a href="#">JettyTelaServer</a>	<a href="#">start</a> ()
---------------------------------	--------------------------

boolean	<a href="#">stop</a> ()
---------	-------------------------

Methods inherited from class [io.reneses.tela.core.api.server.AbstractTelaServer](#)

[getLocalIp](#), [getPort](#)

Methods inherited from class java.lang.Object

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

Methods inherited from interface [io.reneses.tela.core.api.server.TelaServer](#)

[getLocalIp](#), [getPort](#), [isRunning](#), [start](#), [stop](#)

## Constructors

### JettyTelaServer

**JettyTelaServer**(int serverPort)

(continued from last page)

Constructor admitting a port

**Parameters:**

serverPort - Port to use

## Methods

**start**

```
public JettyTelaServer start()
```

---

**stop**

```
public boolean stop()
```

---

**isRunning**

```
public boolean isRunning()
```

# io.reneses.tela.core.api.server

## Class NotFoundExceptionMapper

java.lang.Object

└─io.reneses.tela.core.api.server.NotFoundExceptionMapper

### All Implemented Interfaces:

javax.ws.rs.ext.ExceptionMapper

### class NotFoundExceptionMapper

extends java.lang.Object

implements javax.ws.rs.ext.ExceptionMapper

Custom 404 not found response

## Constructor Summary

[NotFoundExceptionMapper\(\)](#)

## Method Summary

javax.ws.rs.core.Response	<a href="#">toResponse</a> (javax.ws.rs.NotFoundException exception) toResponse.
---------------------------	---

### Methods inherited from class java.lang.Object

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

### Methods inherited from interface javax.ws.rs.ext.ExceptionMapper

toResponse

## Constructors

### NotFoundExceptionMapper

**NotFoundExceptionMapper()**

## Methods

### toResponse

```
public javax.ws.rs.core.Response toResponse(javax.ws.rs.NotFoundException exception)
    toResponse.
```

#### Parameters:

(continued from last page)

exception - a `javax.ws.rs.NotFoundException` object.

**Returns:**

a `javax.ws.rs.core.Response` object.

# io.reneses.tela.core.api.server Interface TelaServer

All Known Implementing Classes:

[AbstractTelaServer](#)

public interface **TelaServer**  
extends

TelaServer interface.

## Field Summary

public static final	<a href="#">DEFAULT_PORT</a> Default the sever will be executed at Value: <b>80</b>
---------------------	---

## Method Summary

abstract java.lang.String	<a href="#">getLocalIp()</a> Get local IP
abstract int	<a href="#">getPort()</a> Get the port the server is running at
abstract boolean	<a href="#">isRunning()</a> Check if the server is running
abstract <a href="#">TelaServer</a>	<a href="#">start()</a> Start the server server
abstract boolean	<a href="#">stop()</a> Stop the server

## Fields

### DEFAULT\_PORT

public static final int **DEFAULT\_PORT**

Default the sever will be executed at  
Constant value: **80**

## Methods

### getPort

public abstract int **getPort()**

Get the port the server is running at

**Returns:**

(continued from last page)

Port number

---

## getLocalIp

```
public abstract java.lang.String getLocalIp()
```

Get local IP

**Returns:**

Local IP

---

## start

```
public abstract TelaServer start()
```

Start the server server

**Returns:**

the object itself

---

## stop

```
public abstract boolean stop()
```

Stop the server

**Returns:**

true if stopped, false if it could not been stopped

---

## isRunning

```
public abstract boolean isRunning()
```

Check if the server is running

**Returns:**

true if running, false if not

---

## io.reneses.tela.core.api.server Class TelaServerFactory

java.lang.Object

└─io.reneses.tela.core.api.server.TelaServerFactory

public class **TelaServerFactory**  
extends java.lang.Object

TelaServerFactory class.

### Constructor Summary

public	<a href="#">TelaServerFactory()</a>
--------	-------------------------------------

### Method Summary

static <a href="#">TelaServer</a>	<a href="#">create</a> (int port) Create an instance of an implementation of the Server
-----------------------------------	--

#### Methods inherited from class java.lang.Object

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

### Constructors

#### TelaServerFactory

public **TelaServerFactory**()

### Methods

#### create

public static [TelaServer](#) **create**(int port)

Create an instance of an implementation of the Server

##### Parameters:

port - a int.

##### Returns:

a TelaServer instance



---

**Package**

**io.reneses.tela.core.cache**

# io.reneses.tela.core.cache

## Class AbstractCacheManager

java.lang.Object  
└─io.reneses.tela.core.cache.AbstractCacheManager

All Implemented Interfaces:  
[CacheManager](#)

Direct Known Subclasses:  
[MapCacheManager](#), [RedisCacheManager](#)

abstract class **AbstractCacheManager**  
extends java.lang.Object  
implements [CacheManager](#)

Abstract implementation of the Cache Manager, offering a common constructor

### Field Summary

	<a href="#">ttl</a>
--	---------------------

Fields inherited from interface <a href="#">io.reneses.tela.core.cache.CacheManager</a>
<a href="#">DEFAULT_TTL</a>

### Constructor Summary

	<a href="#">AbstractCacheManager</a> (int ttl) Cache Manager constructor
--	---

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface <a href="#">io.reneses.tela.core.cache.CacheManager</a>
<a href="#">clear</a> , <a href="#">get</a> , <a href="#">put</a>

### Fields

**ttl**  
int ttl

### Constructors

(continued from last page)

## AbstractCacheManager

**AbstractCacheManager**(int ttl)

Cache Manager constructor

**Parameters:**

ttl - TTL (time to live) in seconds for each entry

# io.reneses.tela.core.cache Interface CacheManager

All Known Implementing Classes:

[AbstractCacheManager](#)

public interface **CacheManager**  
extends

Generic cache manager The cache manager is supposed to be global, and different modules will use it.

## Field Summary

public static final	<a href="#">DEFAULT_TTL</a> Default time (in seconds) the cache entries should be stored Value: <b>3600</b>
---------------------	---

## Method Summary

abstract void	<a href="#">clear()</a> Clear all the entries
abstract java.lang.String	<a href="#">get</a> (java.lang.String module, java.lang.String key) Get a string value from the cacheManager
abstract void	<a href="#">put</a> (java.lang.String module, java.lang.String key, java.lang.String value) Store a string value in the cache If the value is null, the entry will be removed

## Fields

### DEFAULT\_TTL

public static final int **DEFAULT\_TTL**

Default time (in seconds) the cache entries should be stored  
Constant value: **3600**

## Methods

### put

```
public abstract void put(java.lang.String module,  
    java.lang.String key,  
    java.lang.String value)
```

Store a string value in the cache If the value is null, the entry will be removed

#### Parameters:

module - Name of the module is implementing a cache  
key - Cache key  
value - Value to cache

## **get**

```
public abstract java.lang.String get(java.lang.String module,  
    java.lang.String key)
```

Get a string value from the cacheManager

### **Parameters:**

module - Name of the module is implementing a cache

key - Cache key

### **Returns:**

Cache value if present, null otherwise

---

## **clear**

```
public abstract void clear()
```

Clear all the entries

## io.reneses.tela.core.cache Class CacheManagerFactory

java.lang.Object

└-io.reneses.tela.core.cache.CacheManagerFactory

public class **CacheManagerFactory**  
extends java.lang.Object

Factory which can be configured at runtime in order to use the desired cacheManager implementation.

### Method Summary

static <a href="#">CacheManager</a>	<a href="#">create()</a> Create a cacheManager manager of the configured implementation
static void	<a href="#">setMemoryMode()</a> Configure the on-memory cacheManager mode
static void	<a href="#">setRedisMode()</a> Configure the redis cacheManager mode
static void	<a href="#">setTtl(int cacheTtl)</a> Set the TTL (time to live) for each entry

### Methods inherited from class java.lang.Object

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

## Methods

### setTtl

public static void **setTtl**(int cacheTtl)

Set the TTL (time to live) for each entry

#### Parameters:

cacheTtl - TTL, in seconds

### setMemoryMode

public static void **setMemoryMode**()

Configure the on-memory cacheManager mode

### setRedisMode

public static void **setRedisMode**()

Configure the redis cacheManager mode

## create

```
public static CacheManager create()
```

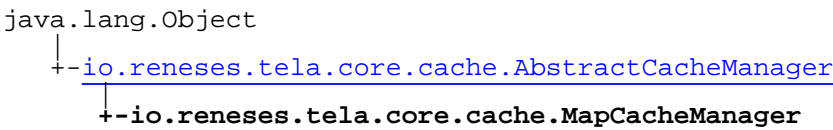
Create a cacheManager manager of the configured implementation

**Returns:**

CacheManager manager

# io.reneses.tela.core.cache

## Class MapCacheManager



All Implemented Interfaces:  
[CacheManager](#)

class **MapCacheManager**  
extends [AbstractCacheManager](#)

On-memory cache implementation Although this implementation takes the configured TTL into account, its performance is not optimal. Therefore, this implementation is only recommended for developing and testing purposes, and not for production environments.

Fields inherited from class <a href="#">io.reneses.tela.core.cache.AbstractCacheManager</a>
<a href="#">ttl</a>

Fields inherited from interface <a href="#">io.reneses.tela.core.cache.CacheManager</a>
<a href="#">DEFAULT_TTL</a>

Constructor Summary	
	<a href="#">MapCacheManager</a> (int ttl) Cache Manager constructor

Method Summary	
void	<a href="#">clear</a> ()
java.lang.String	<a href="#">get</a> (java.lang.String module, java.lang.String key)
void	<a href="#">put</a> (java.lang.String module, java.lang.String key, java.lang.String value)

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface <a href="#">io.reneses.tela.core.cache.CacheManager</a>
<a href="#">clear</a> , <a href="#">get</a> , <a href="#">put</a>

## Constructors



(continued from last page)

## MapCacheManager

**MapCacheManager**(int ttl)

Cache Manager constructor

**Parameters:**

ttl - TTL (time to live) in seconds for each entry

## Methods

**put**

```
public void put(java.lang.String module,  
               java.lang.String key,  
               java.lang.String value)
```

---

**get**

```
public java.lang.String get(java.lang.String module,  
                           java.lang.String key)
```

---

**clear**

```
public void clear()
```

# io.reneses.tela.core.cache

## Class RedisCacheManager

java.lang.Object

```

  |
  +-- io.reneses.tela.core.cache.AbstractCacheManager
      |
      +-- io.reneses.tela.core.cache.RedisCacheManager
  
```

All Implemented Interfaces:  
[CacheManager](#)

class **RedisCacheManager**  
 extends [AbstractCacheManager](#)

Redis cache manager implementation

Fields inherited from class [io.reneses.tela.core.cache.AbstractCacheManager](#)

[ttl](#)

Fields inherited from interface [io.reneses.tela.core.cache.CacheManager](#)

[DEFAULT\\_TTL](#)

## Constructor Summary

	<a href="#">RedisCacheManager</a> (int ttl) Cache Manager constructor
--	--

## Method Summary

void	<a href="#">clear</a> ()
java.lang.String	<a href="#">get</a> (java.lang.String module, java.lang.String key)
void	<a href="#">put</a> (java.lang.String module, java.lang.String key, java.lang.String value)

Methods inherited from class java.lang.Object

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

Methods inherited from interface [io.reneses.tela.core.cache.CacheManager](#)

[clear](#), [get](#), [put](#)

## Constructors

(continued from last page)

## RedisCacheManager

**RedisCacheManager**(int ttl)

Cache Manager constructor

**Parameters:**

ttl - TTL (time to live) in seconds for each entry

## Methods

**put**

```
public void put(java.lang.String module,  
               java.lang.String key,  
               java.lang.String value)
```

---

**get**

```
public java.lang.String get(java.lang.String module,  
                           java.lang.String key)
```

---

**clear**

```
public void clear()
```

---

**Package**

**io.reneses.tela.core.configuration**

# io.reneses.tela.core.configuration

## Interface Configuration

All Known Implementing Classes:  
[ConfigurationImpl](#)

public interface **Configuration**  
 extends

Configuration, component in charge of reading the configurable options, as well as changing them programmatically The priority of configuration for each option is as following: 1. First, if an option has been set programmatically, it value will be taken 2. If not, Tela tries to read the corresponding environmental variable. 3. If it is not present, it tries to read it from the `tela.properties` file. 4. If it is not present neither, it uses the default option.

### Nested Class Summary

class	<a href="#">Configuration.OrientDbMode</a> Configuration.OrientDbMode
class	<a href="#">Configuration.Property</a> Configuration.Property
class	<a href="#">Configuration.TempMode</a> Configuration.TempMode

### Method Summary

abstract int	<a href="#">getIntegerProperty</a> ( <a href="#">Configuration.Property</a> property) Get an integer property value
abstract java.lang.String	<a href="#">getStringProperty</a> ( <a href="#">Configuration.Property</a> property) Get an integer property value
abstract void	<a href="#">setProperty</a> ( <a href="#">Configuration.Property</a> property, int value) Set a property programmatically
abstract void	<a href="#">setProperty</a> ( <a href="#">Configuration.Property</a> property, java.lang.String value) Set a property programmatically

### Methods

#### setProperty

```
public abstract void setProperty(Configuration.Property property,
    int value)
```

Set a property programmatically

#### Parameters:

property - Property to set  
 value - New value

(continued from last page)

## setProperty

```
public abstract void setProperty(Configuration.Property property,  
    java.lang.String value)
```

Set a property programmatically

### Parameters:

property - Property to set  
value - New value

---

## getStringProperty

```
public abstract java.lang.String getStringProperty(Configuration.Property property)
```

Get an integer property value

### Parameters:

property - Property to retrieve

### Returns:

Property value

---

## getIntegerProperty

```
public abstract int getIntegerProperty(Configuration.Property property)
```

Get an integer property value

### Parameters:

property - Property to retrieve

### Returns:

Property value

---

## io.reneses.tela.core.configuration Class Configuration.Property

java.lang.Object

└- java.lang.Enum

└- io.reneses.tela.core.configuration.Configuration.Property

### All Implemented Interfaces:

java.io.Serializable, java.lang.Comparable

public static final class **Configuration.Property**  
extends java.lang.Enum

### Field Summary

public static final	<a href="#">CACHE_MODE</a>
public static final	<a href="#">CACHE_TTL</a>
public static final	<a href="#">ORIENTDB_DATABASE</a>
public static final	<a href="#">ORIENTDB_HOST</a>
public static final	<a href="#">ORIENTDB_LOCAL</a>
public static final	<a href="#">ORIENTDB_MODE</a>
public static final	<a href="#">ORIENTDB_PASSWORD</a>
public static final	<a href="#">ORIENTDB_PORT</a>
public static final	<a href="#">ORIENTDB_USER</a>
public static final	<a href="#">PORT</a>
public static final	<a href="#">REDIS_HOST</a>
public static final	<a href="#">REDIS_PASSWORD</a>
public static final	<a href="#">REDIS_PORT</a>
public static final	<a href="#">REDIS_USER</a>
public static final	<a href="#">SCHEDULER_DELAY</a>

## Method Summary

<code>static <a href="#">Configuration.Property</a> <a href="#">y</a></code>	<code><a href="#">valueOf</a>(java.lang.String name)</code>
<code>static <a href="#">Configuration.Property</a> <a href="#">y[]</a></code>	<code><a href="#">values</a>()</code>

### Methods inherited from class `java.lang.Enum`

`clone`, `compareTo`, `equals`, `finalize`, `getDeclaringClass`, `hashCode`, `name`, `ordinal`, `toString`, `valueOf`

### Methods inherited from class `java.lang.Object`

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

### Methods inherited from interface `java.lang.Comparable`

`compareTo`

## Fields

### PORT

`public static final io.reneses.tela.core.configuration.Configuration.Property PORT`

### SCHEDULER\_DELAY

`public static final io.reneses.tela.core.configuration.Configuration.Property SCHEDULER_DELAY`

### CACHE\_TTL

`public static final io.reneses.tela.core.configuration.Configuration.Property CACHE_TTL`

### CACHE\_MODE

`public static final io.reneses.tela.core.configuration.Configuration.Property CACHE_MODE`

### REDIS\_HOST

`public static final io.reneses.tela.core.configuration.Configuration.Property REDIS_HOST`



(continued from last page)

---

## REDIS\_PORT

```
public static final io.reneses.tela.core.configuration.Configuration.Property  
REDIS_PORT
```

---

## REDIS\_USER

```
public static final io.reneses.tela.core.configuration.Configuration.Property  
REDIS_USER
```

---

## REDIS\_PASSWORD

```
public static final io.reneses.tela.core.configuration.Configuration.Property  
REDIS_PASSWORD
```

---

## ORIENTDB\_MODE

```
public static final io.reneses.tela.core.configuration.Configuration.Property  
ORIENTDB_MODE
```

---

## ORIENTDB\_LOCAL

```
public static final io.reneses.tela.core.configuration.Configuration.Property  
ORIENTDB_LOCAL
```

---

## ORIENTDB\_HOST

```
public static final io.reneses.tela.core.configuration.Configuration.Property  
ORIENTDB_HOST
```

---

## ORIENTDB\_PORT

```
public static final io.reneses.tela.core.configuration.Configuration.Property  
ORIENTDB_PORT
```

---

## ORIENTDB\_DATABASE

```
public static final io.reneses.tela.core.configuration.Configuration.Property  
ORIENTDB_DATABASE
```

---

(continued from last page)

## ORIENTDB\_USER

```
public static final io.reneses.tela.core.configuration.Configuration.Property  
ORIENTDB_USER
```

---

## ORIENTDB\_PASSWORD

```
public static final io.reneses.tela.core.configuration.Configuration.Property  
ORIENTDB_PASSWORD
```

## Methods

### values

```
public static Configuration.Property\[\] values()
```

---

### valueOf

```
public static Configuration.Property valueOf(java.lang.String name)
```

## io.reneses.tela.core.configuration Interface Configuration.TempMode

public interface **Configuration.TempMode**  
extends

### Field Summary

public static final	<a href="#">MEMORY</a> Value: <b>memory</b>
public static final	<a href="#">REDIS</a> Value: <b>redis</b>

### Fields

#### REDIS

public static final java.lang.String **REDIS**

Constant value: **redis**

#### MEMORY

public static final java.lang.String **MEMORY**

Constant value: **memory**

## io.reneses.tela.core.configuration Interface Configuration.OrientDbMode

public interface **Configuration.OrientDbMode**  
extends

### Field Summary

public static final	<a href="#">LOCAL</a> Value: <b>local</b>
public static final	<a href="#">MEMORY</a> Value: <b>memory</b>
public static final	<a href="#">REMOTE</a> Value: <b>remote</b>

### Fields

#### REMOTE

public static final java.lang.String **REMOTE**

Constant value: **remote**

#### MEMORY

public static final java.lang.String **MEMORY**

Constant value: **memory**

#### LOCAL

public static final java.lang.String **LOCAL**

Constant value: **local**

# io.reneses.tela.core.configuration

## Class ConfigurationFactory

java.lang.Object  
└─io.reneses.tela.core.configuration.ConfigurationFactory

public class **ConfigurationFactory**  
extends java.lang.Object

Configuration Factory to retrieve an instance of a configuration implementation

Method Summary	
static <a href="#">Configuration</a>	<a href="#">create()</a> Retrieve a Configuration instance

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Methods

### create

public static [Configuration](#) **create()**

Retrieve a Configuration instance

**Returns:**  
Configuration instance

# io.reneses.tela.core.configuration

## Class ConfigurationImpl

java.lang.Object

└-io.reneses.tela.core.configuration.ConfigurationImpl

All Implemented Interfaces:

[Configuration](#)

class **ConfigurationImpl**  
 extends java.lang.Object  
 implements [Configuration](#)

Implementation of the configuration

### Field Summary

	<a href="#">properties</a>
--	----------------------------

### Constructor Summary

	<a href="#">ConfigurationImpl()</a> Constructor, initiating all the configurable properties
--	--

### Method Summary

int	<a href="#">getIntegerProperty</a> ( <a href="#">Configuration.Property</a> key)
java.lang.String	<a href="#">getStringProperty</a> ( <a href="#">Configuration.Property</a> key)
void	<a href="#">setProperty</a> ( <a href="#">Configuration.Property</a> key, int value)
void	<a href="#">setProperty</a> ( <a href="#">Configuration.Property</a> key, java.lang.String value)

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface [io.reneses.tela.core.configuration.Configuration](#)

[getIntegerProperty](#), [getStringProperty](#), [setProperty](#), [setProperty](#)

## Fields

### properties

java.util.Map **properties**

(continued from last page)

## Constructors

### ConfigurationImpl

`ConfigurationImpl()`

Constructor, initiating all the configurable properties

## Methods

### setProperty

```
public void setProperty(Configuration.Property key,  
                        int value)
```

---

### setProperty

```
public void setProperty(Configuration.Property key,  
                        java.lang.String value)
```

---

### getStringProperty

```
public java.lang.String getStringProperty(Configuration.Property key)
```

---

### getIntegerProperty

```
public int getIntegerProperty(Configuration.Property key)
```

## io.reneses.tela.core.configuration Class ConfigurationIntegerProperty

java.lang.Object

└-[io.reneses.tela.core.configuration.ConfigurationProperty](#)  
└-[io.reneses.tela.core.configuration.ConfigurationIntegerProperty](#)

class **ConfigurationIntegerProperty**  
extends [ConfigurationProperty](#)

Integer ConfigurationProperty

### Constructor Summary

	<a href="#">ConfigurationIntegerProperty</a> (java.util.Properties properties, java.lang.String name, java.lang.String envKey, java.lang.String fileKey, java.lang.Integer defaultValue)
--	--

### Method Summary

java.lang.Integer	<a href="#">getEnvValue</a> () getEnvValue.
-------------------	--

java.lang.Integer	<a href="#">getFileValue</a> () getFileValue.
-------------------	--

Methods inherited from class [io.reneses.tela.core.configuration.ConfigurationProperty](#)

[getEnvValue](#), [getFileValue](#), [getStringEnvValue](#), [getStringFileValue](#), [getValue](#), [setValue](#)

Methods inherited from class java.lang.Object

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

### Constructors

#### ConfigurationIntegerProperty

```
ConfigurationIntegerProperty(java.util.Properties properties,
                             java.lang.String name,
                             java.lang.String envKey,
                             java.lang.String fileKey,
                             java.lang.Integer defaultValue)
```

### Methods



(continued from last page)

## **getEnvValue**

```
protected java.lang.Integer getEnvValue()  
  
    getEnvValue.
```

---

## **getFileValue**

```
protected java.lang.Integer getFileValue()  
  
    getFileValue.
```

# io.reneses.tela.core.configuration

## Class ConfigurationProperty

java.lang.Object  
└─io.reneses.tela.core.configuration.ConfigurationProperty

Direct Known Subclasses:  
[ConfigurationIntegerProperty](#), [ConfigurationStringProperty](#)

abstract class **ConfigurationProperty**  
extends java.lang.Object

Configurable property  
**Parameters:**  
T - Value type

Constructor Summary	
	<a href="#">ConfigurationProperty</a> (java.util.Properties properties, java.lang.String name, java.lang.String envKey, java.lang.String fileKey, java.lang.Object defaultValue)

Method Summary	
abstract java.lang.Object	<a href="#">getEnvValue</a> () getEnvValue.
abstract java.lang.Object	<a href="#">getFileValue</a> () getFileValue.
java.lang.String	<a href="#">getStringEnvValue</a> ()
java.lang.String	<a href="#">getStringFileValue</a> ()
java.lang.Object	<a href="#">getValue</a> () The priority of configuration for each property is as following: 1.
void	<a href="#">setValue</a> (java.lang.Object value) Set the value of the property

Methods inherited from class java.lang.Object	
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait	

## Constructors

(continued from last page)

## ConfigurationProperty

```
ConfigurationProperty(java.util.Properties properties,  
                      java.lang.String name,  
                      java.lang.String envKey,  
                      java.lang.String fileKey,  
                      java.lang.Object defaultValue)
```

## Methods

### getStringEnvValue

```
final java.lang.String getStringEnvValue()
```

### getStringFileValue

```
final java.lang.String getStringFileValue()
```

### getEnvValue

```
protected abstract java.lang.Object getEnvValue()
```

getEnvValue.

**Returns:**

a T object.

### getFileValue

```
protected abstract java.lang.Object getFileValue()
```

getFileValue.

**Returns:**

a T object.

### setValue

```
public void setValue(java.lang.Object value)
```

Set the value of the property

**Parameters:**

value - Property value

### getValue

```
public java.lang.Object getValue()
```

The priority of configuration for each property is as following: 1. First, if an option has been set programmatically, its value will be taken. 2. If not, Tela tries to read the corresponding environmental variable. 3. If it is not present, it tries to read it from the `tela.properties` file. 4. If it is not present neither, it uses the default option.

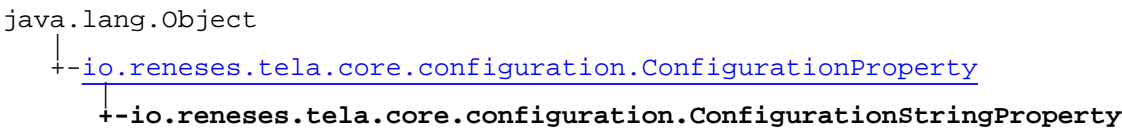
(continued from last page)

**Returns:**

Property value

# io.reneses.tela.core.configuration

## Class ConfigurationStringProperty



class **ConfigurationStringProperty**  
extends [ConfigurationProperty](#)

String ConfigurationProperty

### Constructor Summary

	<a href="#">ConfigurationStringProperty</a> (java.util.Properties properties, java.lang.String name, java.lang.String envKey, java.lang.String fileKey, java.lang.String defaultValue)
--	--

### Method Summary

java.lang.String	<a href="#">getEnvValue</a> () getEnvValue.
java.lang.String	<a href="#">getFileValue</a> () getFileValue.

Methods inherited from class [io.reneses.tela.core.configuration.ConfigurationProperty](#)

[getEnvValue](#), [getFileValue](#), [getStringEnvValue](#), [getStringFileValue](#), [getValue](#), [setValue](#)

Methods inherited from class java.lang.Object

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

### Constructors

#### ConfigurationStringProperty

```
ConfigurationStringProperty(java.util.Properties properties,
                             java.lang.String name,
                             java.lang.String envKey,
                             java.lang.String fileKey,
                             java.lang.String defaultValue)
```

### Methods

(continued from last page)

## **getEnvValue**

```
protected java.lang.String getEnvValue()
```

```
    getEnvValue.
```

---

## **getFileValue**

```
protected java.lang.String getFileValue()
```

```
    getFileValue.
```

---

**Package**

**io.reneses.tela.core.databases.extensions**

## io.reneses.tela.core.databases.extensions Interface DatabaseExtension

All Known Implementing Classes:  
[OrientDatabaseExtension](#)

public interface **DatabaseExtension**  
extends

Database extension Extensions are used to generate the database model required by the database, so that modules can be easily added without manual updates.

### Method Summary

abstract void	<a href="#">init</a> (java.lang.Object database) Init the extension, creating the required schema
abstract boolean	<a href="#">isInitiated</a> (java.lang.Object database) Check if the extension has already been initiated

### Methods

#### isInitiated

public abstract boolean **isInitiated**(java.lang.Object database)

Check if the extension has already been initiated

**Parameters:**

database - a T object.

**Returns:**

True if the extension has already been initiated, false otherwise

#### init

public abstract void **init**(java.lang.Object database)

Init the extension, creating the required schema

**Parameters:**

database - a T object.



## io.reneses.tela.core.databases.extensions

### Class OrientDatabaseExtension

java.lang.Object

└io.reneses.tela.core.databases.extensions.OrientDatabaseExtension

All Implemented Interfaces:

[DatabaseExtension](#)

Direct Known Subclasses:

[TwitterOrientDatabaseExtension](#), [InstagramOrientDatabaseExtension](#), [SessionOrientDatabaseExtension](#), [SchedulerOrientDatabaseExtension](#)

public abstract class **OrientDatabaseExtension**  
 extends java.lang.Object  
 implements [DatabaseExtension](#)

Database extension used for OrientDb

### Constructor Summary

public	<a href="#">OrientDatabaseExtension()</a>
--------	---

### Methods inherited from class java.lang.Object

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

### Methods inherited from interface [io.reneses.tela.core.databases.extensions.DatabaseExtension](#)

[init](#), [isInitiated](#)

### Constructors

#### OrientDatabaseExtension

public **OrientDatabaseExtension()**

---

**Package**

**io.reneses.tela.core.databases.orientdb**

# io.reneses.tela.core.databases.orientdb

## Interface OrientGraphWrapper

All Known Implementing Classes:

[OrientGraphWrapperImpl](#)

public interface **OrientGraphWrapper**  
extends

Wrapper for an OrientDB database, with utility functions

### Field Summary

public static final	<a href="#">DEFAULT_DATABASE</a> Constant DEFAULT_DATABASE="Tela" Value: <b>Tela</b>
public static final	<a href="#">DEFAULT_DIRECTORY</a> Constant DEFAULT_DIRECTORY="./data" Value: <b>./data</b>
public static final	<a href="#">DEFAULT_HOST</a> Constant DEFAULT_HOST="localhost" Value: <b>localhost</b>
public static final	<a href="#">DEFAULT_PASSWORD</a> Constant DEFAULT_PASSWORD="admin" Value: <b>admin</b>
public static final	<a href="#">DEFAULT_PORT</a> Constant DEFAULT_PORT=2424 Value: <b>2424</b>
public static final	<a href="#">DEFAULT_USER</a> Constant DEFAULT_USER="admin" Value: <b>admin</b>

### Method Summary

abstract void	<a href="#">addEdge</a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String edgeClass, com.tinkerpop.blueprints.impls.orient.OrientVertex out, com.tinkerpop.blueprints.impls.orient.OrientVertex in) Create an edge
abstract void	<a href="#">addEdge</a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String edgeClass, com.tinkerpop.blueprints.impls.orient.OrientVertex out, com.tinkerpop.blueprints.impls.orient.OrientVertex in, java.util.Map fields) Create an edge
abstract com.tinkerpop.blueprints.impls.orient.OrientVertex	<a href="#">addVertex</a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass, java.util.Map properties) Add a vertex to the graph

abstract void	<a href="#"><code>close()</code></a> Close the connection
abstract void	<a href="#"><code>createEdgeClass</code></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name) Create a vertex class
abstract void	<a href="#"><code>createEdgeClass</code></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name, java.util.Map properties) Create an edge class
abstract void	<a href="#"><code>createIndexes</code></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String className, java.util.Map indexes) Create indexes for a class
abstract void	<a href="#"><code>createVertexClass</code></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name) Create a vertex class
abstract void	<a href="#"><code>createVertexClass</code></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name, java.util.Map properties) Create a vertex class
abstract void	<a href="#"><code>drop()</code></a> Drop all the data
abstract void	<a href="#"><code>execute</code></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String command, java.lang.Object[] bindings) Execute a SQL command
abstract java.lang.Iterable	<a href="#"><code>executeAndFetch</code></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String command, java.lang.Object[] bindings) Execute a SQL command which will be fetched
abstract boolean	<a href="#"><code>existsClass</code></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name) Check whether a class exist or not
abstract com.tinkerpop.blueprints.impls.orient.OrientGraphNoTx	<a href="#"><code>getNoTxGraph()</code></a> Get a not transactional graph
abstract com.tinkerpop.blueprints.impls.orient.OrientGraph	<a href="#"><code>getTxGraph()</code></a> Get a transactional graph
abstract com.tinkerpop.blueprints.impls.orient.OrientVertex	<a href="#"><code>getVertex</code></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass, java.lang.String key, java.lang.Object value) Get a vertex from the graph
abstract java.util.List	<a href="#"><code>getVertices</code></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass) Get all the vertices from a specific class
abstract java.util.List	<a href="#"><code>getVertices</code></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass, java.lang.String key, java.lang.Object value) Get all the vertices from a specific class with a specific property

abstract boolean	<a href="#">removeVertices</a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass) Remove all the vertices from a specific class
abstract boolean	<a href="#">removeVertices</a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass, java.lang.String key, java.lang.Object value) Remove all the vertices from a specific class with a specific property

## Fields

### DEFAULT\_DIRECTORY

```
public static final java.lang.String DEFAULT_DIRECTORY
```

Constant DEFAULT\_DIRECTORY="./data"  
Constant value: **./data**

### DEFAULT\_DATABASE

```
public static final java.lang.String DEFAULT_DATABASE
```

Constant DEFAULT\_DATABASE="Tela"  
Constant value: **Tela**

### DEFAULT\_HOST

```
public static final java.lang.String DEFAULT_HOST
```

Constant DEFAULT\_HOST="localhost"  
Constant value: **localhost**

### DEFAULT\_USER

```
public static final java.lang.String DEFAULT_USER
```

Constant DEFAULT\_USER="admin"  
Constant value: **admin**

### DEFAULT\_PASSWORD

```
public static final java.lang.String DEFAULT_PASSWORD
```

Constant DEFAULT\_PASSWORD="admin"  
Constant value: **admin**

### DEFAULT\_PORT

```
public static final int DEFAULT_PORT
```

Constant DEFAULT\_PORT=2424  
Constant value: **2424**

## Methods

(continued from last page)

---

## getNoTxGraph

```
public abstract com.tinkerpop.blueprints.impls.orient.OrientGraphNoTx getNoTxGraph()
```

Get a not transactional graph

**Returns:**

Not transaction graph

---

## getTxGraph

```
public abstract com.tinkerpop.blueprints.impls.orient.OrientGraph getTxGraph()
```

Get a transactional graph

**Returns:**

Transactional graph

---

## addVertex

```
public abstract com.tinkerpop.blueprints.impls.orient.OrientVertex  
addVertex(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
           java.lang.String vertexClass,  
           java.util.Map properties)
```

Add a vertex to the graph

**Parameters:**

graph - Graph

vertexClass - Vertex class

properties - Properties

**Returns:**

Created vertex

---

## getVertex

```
public abstract com.tinkerpop.blueprints.impls.orient.OrientVertex  
getVertex(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
           java.lang.String vertexClass,  
           java.lang.String key,  
           java.lang.Object value)
```

Get a vertex from the graph

**Parameters:**

graph - Graph

vertexClass - Vertex class

key - Property to search for

value - Value to search for

**Returns:**

Vertex if found, null otherwise

---

## getVertices

```
public abstract java.util.List  
getVertices(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
            java.lang.String vertexClass)
```

---

(continued from last page)

Get all the vertices from a specific class

**Parameters:**

graph - Graph  
vertexClass - Vertex class

**Returns:**

Vertices of the given class

---

## getVertices

```
public abstract java.util.List  
getVertices(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
            java.lang.String vertexClass,  
            java.lang.String key,  
            java.lang.Object value)
```

Get all the vertices from a specific class with a specific property

**Parameters:**

graph - Graph  
vertexClass - Vertex class  
key - Property to search for  
value - Value to search for

**Returns:**

Vertices of the given class

---

## removeVertices

```
public abstract boolean  
removeVertices(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
               java.lang.String vertexClass,  
               java.lang.String key,  
               java.lang.Object value)
```

Remove all the vertices from a specific class with a specific property

**Parameters:**

graph - Graph  
vertexClass - Vertex class  
key - Property to search for  
value - Value to search for

**Returns:**

True if at least one vertex was removed, false if any

---

## removeVertices

```
public abstract boolean  
removeVertices(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
               java.lang.String vertexClass)
```

Remove all the vertices from a specific class

**Parameters:**

graph - Graph  
vertexClass - Vertex class

**Returns:**

(continued from last page)

True if at least one vertex was removed, false if any

---

## existsClass

```
public abstract boolean  
existsClass(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
            java.lang.String name)
```

Check whether a class exist or not

### Parameters:

graph - Graph  
name - Class name

### Returns:

True if exists, false otherwise

---

## createVertexClass

```
public abstract void  
createVertexClass(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
                  java.lang.String name,  
                  java.util.Map properties)
```

Create a vertex class

### Parameters:

graph - Graph  
name - Class name  
properties - Class properties

---

## createVertexClass

```
public abstract void  
createVertexClass(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
                  java.lang.String name)
```

Create a vertex class

### Parameters:

graph - Graph  
name - Class name

---

## createEdgeClass

```
public abstract void  
createEdgeClass(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
                 java.lang.String name,  
                 java.util.Map properties)
```

Create an edge class

### Parameters:

graph - Graph  
name - Class name  
properties - Class properties



(continued from last page)

---

## createEdgeClass

```
public abstract void  
createEdgeClass(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
                java.lang.String name)
```

Create a vertex class

### Parameters:

graph - Graph  
name - Class name

---

## createIndexes

```
public abstract void  
createIndexes(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
              java.lang.String className,  
              java.util.Map indexes)
```

Create indexes for a class

### Parameters:

graph - Graph  
className - Class name  
indexes - Indexes to createOrUpdate

---

## addEdge

```
public abstract void addEdge(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph  
graph,  
                             java.lang.String edgeClass,  
                             com.tinkerpop.blueprints.impls.orient.OrientVertex out,  
                             com.tinkerpop.blueprints.impls.orient.OrientVertex in,  
                             java.util.Map fields)
```

Create an edge

### Parameters:

graph - Graph  
edgeClass - Edge's class  
out - Out vertex  
in - In vertex  
fields - Edge's properties

---

## addEdge

```
public abstract void addEdge(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph  
graph,  
                             java.lang.String edgeClass,  
                             com.tinkerpop.blueprints.impls.orient.OrientVertex out,  
                             com.tinkerpop.blueprints.impls.orient.OrientVertex in)
```

Create an edge

### Parameters:

graph - Graph  
edgeClass - Edge's class  
out - Out vertex  
in - In vertex

---

(continued from last page)

## executeAndFetch

```
public abstract java.lang.Iterable  
executeAndFetch(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
                java.lang.String command,  
                java.lang.Object[] bindings)
```

Execute a SQL command which will be fetched

### Parameters:

graph - Graph  
command - SQL  
bindings - Bindings

### Returns:

Iterable result

---

## execute

```
public abstract void execute(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph  
graph,  
    java.lang.String command,  
    java.lang.Object[] bindings)
```

Execute a SQL command

### Parameters:

graph - Graph  
command - SQL  
bindings - Bindings

---

## drop

```
public abstract void drop()
```

Drop all the data

---

## close

```
public abstract void close()
```

Close the connection

## io.reneses.tela.core.databases.orientdb

### Class OrientGraphWrapperFactory

java.lang.Object

└io.reneses.tela.core.databases.orientdb.OrientGraphWrapperFactory

public class **OrientGraphWrapperFactory**  
extends java.lang.Object

Factory which can be configured at runtime in order to use the desired OrientDB connection It mains and returns a singleton object of the configured implementation.

#### Method Summary

static void	<a href="#">connectLocal</a> (java.lang.String path) Connect to a local OrientDB database
static void	<a href="#">connectMemory</a> (java.lang.String database) Connect to a in-memory OrientDB database
static void	<a href="#">connectRemote</a> (java.lang.String database, java.lang.String host, int port, java.lang.String user, java.lang.String password) Connect to a remote OrientDB database
static void	<a href="#">dropAndDestroyInstance</a> () Drop the database and destroy the instance WARNING: This will erase all data.
static <a href="#">OrientGraphWrapper</a>	<a href="#">get</a> () Get a singleton instance of the configured OrientDB instance
static void	<a href="#">registerExtensions</a> ( <a href="#">DatabaseExtension[]</a> extensions) Register the database extensions The list of extensions will be filtered, and only the OrientDatabaseExtension instances will be initiated
static void	<a href="#">registerExtensions</a> (java.lang.Iterable graphExtensions) Register the database extensions The list of extensions will be filtered, and only the OrientDatabaseExtension instances will be initiated

#### Methods inherited from class java.lang.Object

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

#### Methods

##### registerExtensions

public static void **registerExtensions**(java.lang.Iterable graphExtensions)

Register the database extensions The list of extensions will be filtered, and only the OrientDatabaseExtension instances will be initiated

**Parameters:**

(continued from last page)

graphExtensions - Orient database extensions

---

## registerExtensions

```
public static void registerExtensions(DatabaseExtension\[\] extensions)
```

Register the database extensions The list of extensions will be filtered, and only the OrientDatabaseExtension instances will be initiated

### Parameters:

extensions - Orient database extensions

---

## connectLocal

```
public static void connectLocal(java.lang.String path)
```

Connect to a local OrientDB database

### Parameters:

path - Path to the database

---

## connectRemote

```
public static void connectRemote(java.lang.String database,  
    java.lang.String host,  
    int port,  
    java.lang.String user,  
    java.lang.String password)
```

Connect to a remote OrientDB database

### Parameters:

database - Database name  
host - Database host  
port - Database port  
user - Database user  
password - Database password

---

## connectMemory

```
public static void connectMemory(java.lang.String database)
```

Connect to a in-memory OrientDB database

### Parameters:

database - Database name

---

## get

```
public static OrientGraphWrapper get()
```

Get a singleton instance of the configured OrientDB instance

### Returns:

OrientDB instance

---

## dropAndDestroyInstance

```
public static void dropAndDestroyInstance()
```

---

(continued from last page)

Drop the database and destroy the instance **WARNING:** This will erase all data. Use only for testing purposes.

## io.reneses.tela.core.databases.orientdb

### Class OrientGraphWrapperImpl

java.lang.Object

↳ io.reneses.tela.core.databases.orientdb.OrientGraphWrapperImpl

All Implemented Interfaces:

[OrientGraphWrapper](#)

class **OrientGraphWrapperImpl**

extends java.lang.Object

implements [OrientGraphWrapper](#)

Wrapper for an OrientDB database, with utility functions

Fields inherited from interface [io.reneses.tela.core.databases.orientdb.OrientGraphWrapper](#)

[DEFAULT\\_DATABASE](#), [DEFAULT\\_DIRECTORY](#), [DEFAULT\\_HOST](#), [DEFAULT\\_PASSWORD](#), [DEFAULT\\_PORT](#), [DEFAULT\\_USER](#)

### Constructor Summary

	<a href="#">OrientGraphWrapperImpl</a> (java.lang.Iterable extensions, java.lang.String url)
	<a href="#">OrientGraphWrapperImpl</a> (java.lang.Iterable extensions, java.lang.String url, java.lang.String user, java.lang.String password)

### Method Summary

void	<a href="#">addEdge</a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String edgeClass, com.tinkerpop.blueprints.impls.orient.OrientVertex out, com.tinkerpop.blueprints.impls.orient.OrientVertex in)
void	<a href="#">addEdge</a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String edgeClass, com.tinkerpop.blueprints.impls.orient.OrientVertex out, com.tinkerpop.blueprints.impls.orient.OrientVertex in, java.util.Map fields)
com.tinkerpop.blueprints.impls.orient.OrientVertex	<a href="#">addVertex</a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass, java.util.Map properties)
void	<a href="#">close</a> ()
void	<a href="#">createEdgeClass</a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name)
void	<a href="#">createEdgeClass</a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name, java.util.Map properties)

void	<a href="#"><u>createIndexes</u></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String className, java.util.Map indexes)
void	<a href="#"><u>createVertexClass</u></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name)
void	<a href="#"><u>createVertexClass</u></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name, java.util.Map properties)
void	<a href="#"><u>drop</u></a> ()
void	<a href="#"><u>execute</u></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String command, java.lang.Object[] bindings)
java.lang.Iterable	<a href="#"><u>executeAndFetch</u></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String command, java.lang.Object[] bindings)
boolean	<a href="#"><u>existsClass</u></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name)
com.tinkerpop.blueprints.impls.orient.OrientGraphNoTx	<a href="#"><u>getNoTxGraph</u></a> ()
com.tinkerpop.blueprints.impls.orient.OrientGraph	<a href="#"><u>getTxGraph</u></a> ()
com.tinkerpop.blueprints.impls.orient.OrientVertex	<a href="#"><u>getVertex</u></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass, java.lang.String key, java.lang.Object value)
java.util.List	<a href="#"><u>getVertices</u></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass)
java.util.List	<a href="#"><u>getVertices</u></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass, java.lang.String key, java.lang.Object value)
boolean	<a href="#"><u>removeVertices</u></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass)
boolean	<a href="#"><u>removeVertices</u></a> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass, java.lang.String key, java.lang.Object value)

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface [io.reneses.tela.core.databases.orientdb.OrientGraphWrapper](#)

[addEdge](#), [addEdge](#), [addVertex](#), [close](#), [createEdgeClass](#), [createEdgeClass](#), [createIndexes](#), [createVertexClass](#), [createVertexClass](#), [drop](#), [execute](#), [executeAndFetch](#), [existsClass](#), [getNoTxGraph](#), [getTxGraph](#), [getVertex](#), [getVertices](#), [getVertices](#), [removeVertices](#), [removeVertices](#)

## Constructors

### OrientGraphWrapperImpl

```
OrientGraphWrapperImpl(java.lang.Iterable extensions,  
                        java.lang.String url)
```

---

### OrientGraphWrapperImpl

```
OrientGraphWrapperImpl(java.lang.Iterable extensions,  
                        java.lang.String url,  
                        java.lang.String user,  
                        java.lang.String password)
```

## Methods

### getNoTxGraph

```
public com.tinkerpop.blueprints.impls.orient.OrientGraphNoTx getNoTxGraph()
```

---

### getTxGraph

```
public com.tinkerpop.blueprints.impls.orient.OrientGraph getTxGraph()
```

---

### addVertex

```
public com.tinkerpop.blueprints.impls.orient.OrientVertex  
addVertex(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
          java.lang.String vertexClass,  
          java.util.Map properties)
```

---

### getVertex

```
public com.tinkerpop.blueprints.impls.orient.OrientVertex  
getVertex(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
          java.lang.String vertexClass,  
          java.lang.String key,  
          java.lang.Object value)
```

---

### getVertices

```
public java.util.List  
getVertices(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
            java.lang.String vertexClass)
```



## getVertices

```
public java.util.List
getVertices(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,
            java.lang.String vertexClass,
            java.lang.String key,
            java.lang.Object value)
```

---

## removeVertices

```
public boolean removeVertices(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph
graph,
    java.lang.String vertexClass,
    java.lang.String key,
    java.lang.Object value)
```

---

## removeVertices

```
public boolean removeVertices(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph
graph,
    java.lang.String vertexClass)
```

---

## existsClass

```
public boolean existsClass(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph
graph,
    java.lang.String name)
```

---

## createVertexClass

```
public void createVertexClass(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph
graph,
    java.lang.String name,
    java.util.Map properties)
```

---

## createVertexClass

```
public void createVertexClass(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph
graph,
    java.lang.String name)
```

---

## createEdgeClass

```
public void createEdgeClass(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph
graph,
    java.lang.String name,
    java.util.Map properties)
```

---

## createEdgeClass

```
public void createEdgeClass(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,
                             java.lang.String name)
```

---

## createIndexes

```
public void createIndexes(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,
                             java.lang.String className,
                             java.util.Map indexes)
```

---

## addEdge

```
public void addEdge(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,
                     java.lang.String edgeClass,
                     com.tinkerpop.blueprints.impls.orient.OrientVertex out,
                     com.tinkerpop.blueprints.impls.orient.OrientVertex in,
                     java.util.Map fields)
```

---

## addEdge

```
public void addEdge(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,
                     java.lang.String edgeClass,
                     com.tinkerpop.blueprints.impls.orient.OrientVertex out,
                     com.tinkerpop.blueprints.impls.orient.OrientVertex in)
```

---

## executeAndFetch

```
public java.lang.Iterable
executeAndFetch(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,
                  java.lang.String command,
                  java.lang.Object[] bindings)
```

---

## execute

```
public void execute(com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,
                     java.lang.String command,
                     java.lang.Object[] bindings)
```

---

## drop

```
public void drop()
```

---

(continued from last page)

## **close**

```
public void close()
```

---

**Package**

**io.reneses.tela.core.databases.redis**

## io.reneses.tela.core.databases.redis Class JedisFactory

java.lang.Object

└-io.reneses.tela.core.databases.redis.JedisFactory

public class **JedisFactory**  
extends java.lang.Object

Factory returning Jedis instances, which can be used to interact with the configured Redis server

### Field Summary

public static final	<a href="#">DEFAULT_HOST</a> Constant DEFAULT_HOST="localhost" Value: <b>localhost</b>
public static final	<a href="#">DEFAULT_PASSWORD</a> Constant DEFAULT_PASSWORD="null"
public static final	<a href="#">DEFAULT_PORT</a> Constant DEFAULT_PORT=6379 Value: <b>6379</b>
public static final	<a href="#">DEFAULT_USER</a> Constant DEFAULT_USER="null"

### Method Summary

static void	<a href="#">connect</a> (java.lang.String host, int port) Connect to a Redis server
static void	<a href="#">connect</a> (java.lang.String host, int port, java.lang.String user, java.lang.String password) Connect to a Redis server with a user and password
static redis.clients.jedis.Jedis	<a href="#">get</a> () Get a Jedis instance

### Methods inherited from class java.lang.Object

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

## Fields

### DEFAULT\_HOST

public static final java.lang.String **DEFAULT\_HOST**

Constant DEFAULT\_HOST="localhost"

(continued from last page)

Constant value: **localhost**

---

## DEFAULT\_USER

```
public static final java.lang.String DEFAULT_USER
```

Constant DEFAULT\_USER="null"

---

## DEFAULT\_PASSWORD

```
public static final java.lang.String DEFAULT_PASSWORD
```

Constant DEFAULT\_PASSWORD="null"

---

## DEFAULT\_PORT

```
public static final int DEFAULT_PORT
```

Constant DEFAULT\_PORT=6379

Constant value: **6379**

---

## Methods

### connect

```
public static void connect(java.lang.String host,  
                           int port)
```

Connect to a Redis server

**Parameters:**

host - Redis host

port - Redis port

---

### connect

```
public static void connect(java.lang.String host,  
                           int port,  
                           java.lang.String user,  
                           java.lang.String password)
```

Connect to a Redis server with a user and password

**Parameters:**

host - Redis host

port - Redis port

user - Redis user

password - Redis password

---

### get

```
public static redis.clients.jedis.Jedis get()
```

Get a Jedis instance

**Returns:**

Jedis instance

---

**Package**

**io.reneses.tela.core.dispatcher**

# io.reneses.tela.core.dispatcher

## Class AbstractActionDispatcher

java.lang.Object

↳ io.reneses.tela.core.dispatcher.AbstractActionDispatcher

All Implemented Interfaces:

[ActionDispatcher](#)

Direct Known Subclasses:

[ActionDispatcherImpl](#)

abstract class **AbstractActionDispatcher**

extends java.lang.Object

implements [ActionDispatcher](#)

Dispatcher for the actions

### Field Summary

	<a href="#">actionClasses</a>
	<a href="#">actionPackages</a>

### Constructor Summary

	<a href="#">AbstractActionDispatcher</a> (java.util.Collection actionClasses, java.util.Collection actionPackages) Create an action dispatcher, scanning classes within the package where it is created
--	--

### Methods inherited from class java.lang.Object

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

### Methods inherited from interface [io.reneses.tela.core.dispatcher.ActionDispatcher](#)

[dispatch](#), [dispatch](#), [getAction](#), [getHelp](#), [getHelp](#), [hasModule](#)

## Fields

### actionClasses

java.util.Collection **actionClasses**

### actionPackages

java.util.Collection **actionPackages**



(continued from last page)

## Constructors

### AbstractActionDispatcher

```
AbstractActionDispatcher( java.util.Collection actionClasses,  
                           java.util.Collection actionPackages)
```

Create an action dispatcher, scanning classes within the package where it is created

**Parameters:**

actionClasses - Classes to be scanned

actionPackages - Packages to be scanned

# io.reneses.tela.core.dispatcher

## Interface ActionDispatcher

All Known Implementing Classes:

[AbstractActionDispatcher](#)

public interface **ActionDispatcher**  
extends

Dispatcher for the actions

### Method Summary

abstract java.lang.Object	<a href="#">dispatch</a> ( <a href="#">Session</a> session, java.lang.String moduleName, java.lang.String actionName) Dispatch an action without parameters
abstract java.lang.Object	<a href="#">dispatch</a> ( <a href="#">Session</a> session, java.lang.String moduleName, java.lang.String actionName, java.util.Map params) Dispatch an action
abstract <a href="#">Action</a>	<a href="#">getAction</a> (java.lang.String moduleName, java.lang.String actionName, java.util.Map params) Get an action given its module, name and parameters
abstract java.util.List	<a href="#">getHelp</a> () Obtain the auto-generated help
abstract java.util.List	<a href="#">getHelp</a> (java.lang.String module) Obtain the auto-generated help of a specific module
abstract boolean	<a href="#">hasModule</a> (java.lang.String name) Check if a module has been defined

### Methods

#### hasModule

public abstract boolean **hasModule**(java.lang.String name)

Check if a module has been defined

##### Parameters:

name - Module name

##### Returns:

True if it has, false otherwise

(continued from last page)

## getAction

```
public abstract Action getAction(java.lang.String moduleName,  
    java.lang.String actionName,  
    java.util.Map params)  
throws ActionNotDefinedException,  
    ModuleNotDefinedException
```

Get an action given its module, name and parameters

**Parameters:**

moduleName - Module name  
actionName - Action name  
params - Map of parameters

**Returns:**

Action

**Throws:**

[ModuleNotDefinedException](#) - If the module is not defined  
[ActionNotDefinedException](#) - If the action is not defined within the desired module

---

## getHelp

```
public abstract java.util.List getHelp()
```

Obtain the auto-generated help

**Returns:**

Help about the actions

---

## getHelp

```
public abstract java.util.List getHelp(java.lang.String module)  
throws ModuleNotDefinedException
```

Obtain the auto-generated help of a specific module

**Parameters:**

module - Module to obtain the help from

**Returns:**

Help about the actions of the given module

**Throws:**

[ModuleNotDefinedException](#) - if any.

---

## dispatch

```
public abstract java.lang.Object dispatch(Session session,  
    java.lang.String moduleName,  
    java.lang.String actionName,  
    java.util.Map params)  
throws java.lang.Exception
```

Dispatch an action

**Parameters:**

session - Session  
moduleName - Name of the module of the action

(continued from last page)

actionName - Name of the action

params - Action parameters

**Returns:**

Result of the action

**Throws:**

Exception - Any exception thrown by the action

---

## dispatch

```
public abstract java.lang.Object dispatch(Session session,  
      java.lang.String moduleName,  
      java.lang.String actionName)  
throws java.lang.Exception
```

Dispatch an action without parameters

**Parameters:**

session - Session

moduleName - Name of the module of the action

actionName - Name of the action

**Returns:**

Result of the action

**Throws:**

Exception - Any exception thrown by the action

## io.reneses.tela.core.dispatcher Class ActionDispatcherFactory

java.lang.Object

└--io.reneses.tela.core.dispatcher.ActionDispatcherFactory

public class **ActionDispatcherFactory**  
extends java.lang.Object

ActionDispatcherFactory class.

### Constructor Summary

public	<a href="#">ActionDispatcherFactory()</a>
--------	---

### Method Summary

static void	<a href="#">addClassesToScan</a> ( java.lang.Class[] classes) Add all the classes to the ones that will be scanned
static void	<a href="#">addClassesToScan</a> ( java.lang.Iterable classes) Add all the classes to the ones that will be scanned
static void	<a href="#">addPackagesToScan</a> ( java.lang.Iterable packages) Add all the classes within the supplied packages to the classes that will be scanned
static void	<a href="#">addPackagesToScan</a> ( java.lang.Package[] packages) Add all the classes within the supplied packages to the classes that will be scanned
static <a href="#">ActionDispatcher</a>	<a href="#">create</a> () Return a singleton instance

#### Methods inherited from class java.lang.Object

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

## Constructors

### ActionDispatcherFactory

public **ActionDispatcherFactory**()

## Methods

### addPackagesToScan

public static void **addPackagesToScan**( java.lang.Package[] packages)

(continued from last page)

Add all the classes within the supplied packages to the classes that will be scanned

**Parameters:**

packages - Packages to scan

---

## addPackagesToScan

```
public static void addPackagesToScan(java.lang.Iterable packages)
```

Add all the classes within the supplied packages to the classes that will be scanned

**Parameters:**

packages - Packages to scan

---

## addClassesToScan

```
public static void addClassesToScan(java.lang.Class[] classes)
```

Add all the classes to the ones that will be scanned

**Parameters:**

classes - Classes to scan

---

## addClassesToScan

```
public static void addClassesToScan(java.lang.Iterable classes)
```

Add all the classes to the ones that will be scanned

**Parameters:**

classes - Classes to scan

---

## create

```
public static ActionDispatcher create()
```

Return a singleton instance

**Returns:**

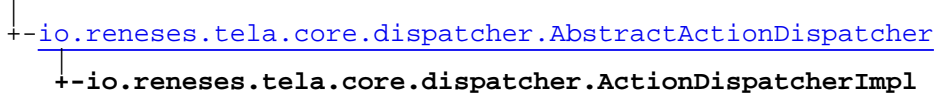
ActionDispatcherImpl instance

---

# io.reneses.tela.core.dispatcher

## Class ActionDispatcherImpl

java.lang.Object



All Implemented Interfaces:

[ActionDispatcher](#)

class **ActionDispatcherImpl**  
 extends [AbstractActionDispatcher](#)

Dispatcher for the actions

Fields inherited from class [io.reneses.tela.core.dispatcher.AbstractActionDispatcher](#)

[actionClasses](#), [actionPackages](#)

## Constructor Summary

	<b><a href="#">ActionDispatcherImpl</a></b> (java.util.Collection actionClasses, java.util.Collection actionPackages) Create an action dispatcher, scanning classes within the package where it is created
--	---

## Method Summary

java.lang.Object	<b><a href="#">dispatch</a></b> ( <a href="#">Session</a> session, java.lang.String moduleName, java.lang.String actionName)
------------------	--

java.lang.Object	<b><a href="#">dispatch</a></b> ( <a href="#">Session</a> session, java.lang.String moduleName, java.lang.String actionName, java.util.Map params)
------------------	--

<a href="#">Action</a>	<b><a href="#">getAction</a></b> (java.lang.String moduleName, java.lang.String actionName, java.util.Map params) Get an action given its module, name and parameters
------------------------	--

java.util.List	<b><a href="#">getHelp</a></b> ()
----------------	-----------------------------------

java.util.List	<b><a href="#">getHelp</a></b> (java.lang.String moduleName)
----------------	--

boolean	<b><a href="#">hasModule</a></b> (java.lang.String name)
---------	--

Methods inherited from class java.lang.Object

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

Methods inherited from interface [io.reneses.tela.core.dispatcher.ActionDispatcher](#)

[dispatch](#), [dispatch](#), [getAction](#), [getHelp](#), [getHelp](#), [hasModule](#)

## Constructors

### ActionDispatcherImpl

```
ActionDispatcherImpl( java.util.Collection actionClasses,  
                      java.util.Collection actionPackages)
```

Create an action dispatcher, scanning classes within the package where it is created

**Parameters:**

actionClasses - Classes to be scanned  
actionPackages - Packages to be scanned

## Methods

### hasModule

```
public boolean hasModule(java.lang.String name)
```

---

### getAction

```
public Action getAction(java.lang.String moduleName,  
                        java.lang.String actionName,  
                        java.util.Map params)  
throws ActionNotDefinedException,  
       ModuleNotDefinedException
```

Get an action given its module, name and parameters

---

### getHelp

```
public java.util.List getHelp(java.lang.String moduleName)  
throws ModuleNotDefinedException
```

---

### getHelp

```
public java.util.List getHelp()
```

---

### dispatch

```
public java.lang.Object dispatch(Session session,  
                                java.lang.String moduleName,  
                                java.lang.String actionName,  
                                java.util.Map params)  
throws java.lang.Exception
```



(continued from last page)

## dispatch

```
public java.lang.Object dispatch(Session session,  
    java.lang.String moduleName,  
    java.lang.String actionName)  
    throws java.lang.Exception
```

---

**Package**

**io.reneses.tela.core.dispatcher.annotations**

## io.reneses.tela.core.dispatcher.annotations Interface Action

public interface **Action**  
extends java.lang.annotation.Annotation

Action annotation

### Method Summary

java.lang.String	<a href="#">description()</a>
java.lang.String	<a href="#">name()</a>
java.lang.String[]	<a href="#">parameters()</a>

### Methods inherited from interface java.lang.annotation.Annotation

annotationType, equals, hashCode, toString

### Methods

#### name

public java.lang.String **name()**

##### Returns:

Action name

#### description

public java.lang.String **description()**

##### Returns:

Action description, which will be used to generate the help

#### parameters

public java.lang.String[] **parameters()**

##### Returns:

List of names of the parameters

## io.reneses.tela.core.dispatcher.annotations Interface Module

public interface **Module**  
extends java.lang.annotation.Annotation

Module annotation

### Method Summary

java.lang.String	<a href="#">value()</a>
------------------	-------------------------

Methods inherited from interface java.lang.annotation.Annotation

annotationType, equals, hashCode, toString

### Methods

#### value

public java.lang.String **value()**

#### Returns:

Module name

# io.reneses.tela.core.dispatcher.annotations Interface Schedulable

public interface **Schedulable**  
extends java.lang.annotation.Annotation

Schedulable annotation Indicates that an action can be scheduled

Method Summary	
int	<a href="#">minimumDelay()</a>

Methods inherited from interface java.lang.annotation.Annotation
annotationType, equals, hashCode, toString

## Methods

### minimumDelay

public int **minimumDelay()**

**Returns:**  
Minimum delay assignable to an action (seconds)

---

**Package**

**io.reneses.tela.core.dispatcher.exceptions**

## io.reneses.tela.core.dispatcher.exceptions

### Class ActionBadDefinedException

```

java.lang.Object
  |-- java.lang.Throwable
    |-- java.lang.Exception
      |-- java.lang.RuntimeException
        |-- java.lang.IllegalArgumentException
          |-- io.reneses.tela.core.dispatcher.exceptions.ActionBadDefinedException

```

#### All Implemented Interfaces:

java.io.Serializable

```

public class ActionBadDefinedException
extends java.lang.IllegalArgumentException

```

ActionBadDefinedException class.

#### Fields inherited from class java.lang.RuntimeException

serialVersionUID

#### Fields inherited from class java.lang.Exception

serialVersionUID

## Constructor Summary

public	<a href="#">ActionBadDefinedException</a> (java.lang.String actionName) Constructor for ActionBadDefinedException.
public	<a href="#">ActionBadDefinedException</a> (java.lang.String actionName, java.lang.String message) Constructor for ActionBadDefinedException.

#### Methods inherited from class java.lang.Throwable

addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

#### Methods inherited from class java.lang.Object

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

## Constructors

(continued from last page)

## ActionBadDefinedException

```
public ActionBadDefinedException(java.lang.String actionName)
```

Constructor for ActionBadDefinedException.

**Parameters:**

actionName - Action name

---

## ActionBadDefinedException

```
public ActionBadDefinedException(java.lang.String actionName,  
                                java.lang.String message)
```

Constructor for ActionBadDefinedException.

**Parameters:**

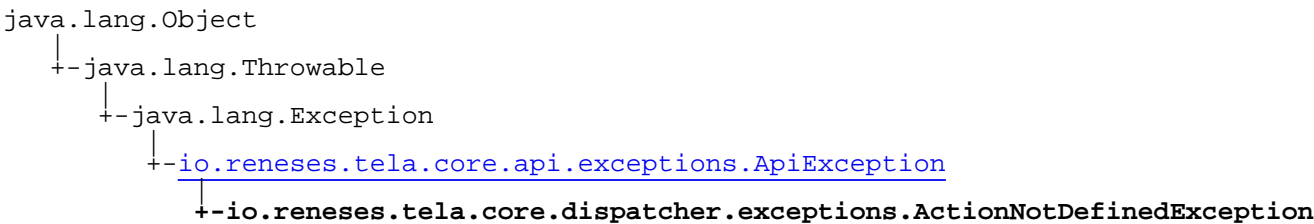
actionName - Action name

message - Error message



# io.reneses.tela.core.dispatcher.exceptions

## Class ActionNotDefinedException



All Implemented Interfaces:  
java.io.Serializable

public class **ActionNotDefinedException**  
extends [ApiException](#)

ActionNotDefinedException class.

Fields inherited from class java.lang.Exception
serialVersionUID

Constructor Summary	
public	<a href="#">ActionNotDefinedException</a> () Constructor for ActionNotDefinedException.
public	<a href="#">ActionNotDefinedException</a> (java.lang.String actionName) Constructor for ActionNotDefinedException.
public	<a href="#">ActionNotDefinedException</a> (java.lang.String actionName, java.util.Set params) Constructor for ActionNotDefinedException.

Methods inherited from class <a href="#">io.reneses.tela.core.api.exceptions.ApiException</a>
<a href="#">getStatusCode</a>

Methods inherited from class java.lang.Throwable
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructors

(continued from last page)

## ActionNotDefinedException

```
public ActionNotDefinedException()
```

Constructor for ActionNotDefinedException.

---

## ActionNotDefinedException

```
public ActionNotDefinedException(java.lang.String actionName)
```

Constructor for ActionNotDefinedException.

### Parameters:

actionName - Action name

---

## ActionNotDefinedException

```
public ActionNotDefinedException(java.lang.String actionName,  
                                java.util.Set params)
```

Constructor for ActionNotDefinedException.

### Parameters:

actionName - Action name

params - Action parameters

## io.reneses.tela.core.dispatcher.exceptions Class InvalidParameterTypeException

```
java.lang.Object
  |-- java.lang.Throwable
    |-- java.lang.Exception
      |-- io.reneses.tela.core.api.exceptions.ApiException
        |-- io.reneses.tela.core.dispatcher.exceptions.InvalidParameterTypeException
```

### All Implemented Interfaces:

java.io.Serializable

```
public class InvalidParameterTypeException
extends ApiException
```

InvalidParameterTypeException class.

### Fields inherited from class java.lang.Exception

serialVersionUID

## Constructor Summary

public	<a href="#">InvalidParameterTypeException</a> (java.lang.Object paramValue) Constructor for InvalidParameterTypeException.
--------	---

### Methods inherited from class [io.reneses.tela.core.api.exceptions.ApiException](#)

[getStatusCode](#)

### Methods inherited from class java.lang.Throwable

addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

### Methods inherited from class java.lang.Object

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

## Constructors

### InvalidParameterTypeException

```
public InvalidParameterTypeException(java.lang.Object paramValue)
```

Constructor for InvalidParameterTypeException.

#### Parameters:

(continued from last page)

`paramValue` - Value of the parameter

## io.reneses.tela.core.dispatcher.exceptions Class ModuleNotDefinedException

```

java.lang.Object
  |-- java.lang.Throwable
    |-- java.lang.Exception
      |-- io.reneses.tela.core.api.exceptions.ApiException
        |-- io.reneses.tela.core.dispatcher.exceptions.ModuleNotDefinedException

```

### All Implemented Interfaces:

java.io.Serializable

public class **ModuleNotDefinedException**  
extends [ApiException](#)

ModuleNotDefinedException class.

### Fields inherited from class java.lang.Exception

serialVersionUID

## Constructor Summary

public	<a href="#">ModuleNotDefinedException</a> () Constructor for ModuleNotDefinedException.
public	<a href="#">ModuleNotDefinedException</a> (java.lang.String moduleName) Constructor for ModuleNotDefinedException.

### Methods inherited from class [io.reneses.tela.core.api.exceptions.ApiException](#)

[getStatusCode](#)

### Methods inherited from class java.lang.Throwable

addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

### Methods inherited from class java.lang.Object

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

## Constructors

### ModuleNotDefinedException

public **ModuleNotDefinedException**()

(continued from last page)

Constructor for ModuleNotDefinedException.

---

## ModuleNotDefinedException

```
public ModuleNotDefinedException(java.lang.String moduleName)
```

Constructor for ModuleNotDefinedException.

### Parameters:

moduleName - Module name

---

**Package**

**io.reneses.tela.core.dispatcher.models**

## io.reneses.tela.core.dispatcher.models

### Class Action

```
java.lang.Object
```

```
└-io.reneses.tela.core.dispatcher.models.Action
```

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

Action class

#### Field Summary

public static final	<a href="#">TOKEN_PARAM</a> Constant TOKEN_PARAM="token" Value: <b>token</b>
---------------------	--

#### Constructor Summary

public	<a href="#">Action</a> (java.lang.reflect.Method method) Action constructor.
--------	---

#### Method Summary

java.lang.String	<a href="#">getDescription</a> () Get the actions' description
int	<a href="#">getMinimumScheduleDelay</a> () Return the minimum delay for the action
java.lang.String	<a href="#">getName</a> () Get the action's name
java.util.LinkedHashMap	<a href="#">getParameters</a> () Get the parameters
boolean	<a href="#">hasParameter</a> (java.lang.String name) Check if the action has a parameter
java.lang.Object	<a href="#">invoke</a> (java.lang.Object[] params) Invoke the method
boolean	<a href="#">isSchedulable</a> () Check if the action is schedulable
boolean	<a href="#">requiresToken</a> () Check if the action requires a session token

#### Methods inherited from class java.lang.Object

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



## Fields

### TOKEN\_PARAM

```
public static final java.lang.String TOKEN_PARAM
```

Constant `TOKEN_PARAM`= "token"  
Constant value: **token**

## Constructors

### Action

```
public Action(java.lang.reflect.Method method)
```

Action constructor. It: 1. Checks if the method is annotated as an action 2. Saves the method 3. Loads the action properties 4. Load and parse the parameters 5. Creates an instance of the method's class 6. Save if it is schedulable or not (and, if so, its minimum delay)

**Parameters:**  
method - Method

## Methods

### invoke

```
public java.lang.Object invoke(java.lang.Object[] params)  
throws java.lang.reflect.InvocationTargetException
```

Invoke the method

**Parameters:**  
params - Parameters

**Returns:**  
Result

**Throws:**  
`InvocationTargetException` - If the invocation throws an exception

### hasParameter

```
public boolean hasParameter(java.lang.String name)
```

Check if the action has a parameter

**Parameters:**  
name - Parameter name

**Returns:**  
True if it does, false otherwise

### requiresToken

```
public boolean requiresToken()
```

(continued from last page)

Check if the action requires a session token

**Returns:**

True if it does, false otherwise

---

## getParameters

```
public java.util.LinkedHashMap getParameters()
```

Get the parameters

**Returns:**

Ordered map of parameters

---

## getName

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

Get the action's name

**Returns:**

Action's name

---

## getDescription

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

Get the actions' description

**Returns:**

Action's description

---

## isSchedulable

```
public boolean isSchedulable()
```

Check if the action is schedulable

**Returns:**

True if it is, false otherwise

---

## getMinimumScheduleDelay

```
public int getMinimumScheduleDelay()
```

Return the minimum delay for the action

**Returns:**

Minimum delay for scheduling

---

# io.reneses.tela.core.dispatcher.models

## Class ActionHelp

java.lang.Object

└-io.reneses.tela.core.dispatcher.models.ActionHelp

public class **ActionHelp**  
extends java.lang.Object

Action help data class

### Constructor Summary

public	<a href="#">ActionHelp()</a> Constructor for ActionHelp.
public	<a href="#">ActionHelp</a> (java.lang.String module, <a href="#">Action</a> action) Constructor for ActionHelp.

### Method Summary

java.lang.String	<a href="#">getDescription()</a> Getter for the field description.
java.lang.String	<a href="#">getModule()</a> Getter for the field module.
java.lang.String	<a href="#">getName()</a> Getter for the field name.
java.lang.String[]	<a href="#">getParams()</a> Getter for the field params.
void	<a href="#">setDescription</a> (java.lang.String description) Setter for the field description.
void	<a href="#">setModule</a> (java.lang.String module) Setter for the field module.
void	<a href="#">setName</a> (java.lang.String name) Setter for the field name.
void	<a href="#">setParams</a> (java.lang.String[] params) Setter for the field params.

### Methods inherited from class java.lang.Object

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

### Constructors

(continued from last page)

## ActionHelp

```
public ActionHelp()
```

Constructor for ActionHelp.

## ActionHelp

```
public ActionHelp(java.lang.String module,  
                  Action action)
```

Constructor for ActionHelp.

### Parameters:

module - Module name

action - Action

## Methods

### getModule

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

Getter for the field module.

### Returns:

a java.lang.String object.

### setModule

```
public void setModule(java.lang.String module)
```

Setter for the field module.

### Parameters:

module - a java.lang.String object.

### getName

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

Getter for the field name.

### Returns:

a java.lang.String object.

### setName

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

Setter for the field name.

### Parameters:

name - a java.lang.String object.

(continued from last page)

## getParams

```
public java.lang.String[] getParams()
```

Getter for the field params.

**Returns:**

an array of `java.lang.String` objects.

---

## setParams

```
public void setParams(java.lang.String[] params)
```

Setter for the field params.

**Parameters:**

params - an array of `java.lang.String` objects.

---

## getDescription

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

Getter for the field description.

**Returns:**

a `java.lang.String` object.

---

## setDescription

```
public void setDescription(java.lang.String description)
```

Setter for the field description.

**Parameters:**

description - a `java.lang.String` object.

---

## io.reneses.tela.core.dispatcher.models Class Module

java.lang.Object

↳ **io.reneses.tela.core.dispatcher.models.Module**

public class **Module**  
extends java.lang.Object

Module class A module represents a group of actions

### Constructor Summary

public	<a href="#">Module</a> (java.lang.String name) Construct the instance given its name
--------	---

### Method Summary

void	<a href="#">addAction</a> ( <a href="#">Action</a> action) Add an action to the module
void	<a href="#">addActions</a> (java.lang.Iterable actions) Add all the actions
<a href="#">Action</a>	<a href="#">getAction</a> (java.lang.String actionName, java.util.Map params) Get an action given its name and its parameters
<a href="#">Action</a>	<a href="#">getAction</a> (java.lang.String name, java.lang.String[] params) Get an action given its name and parameters
java.util.List	<a href="#">getActions</a> (java.lang.String name) Get all the actions with a given name
java.util.List	<a href="#">getAllActions</a> () Get all the actions
java.lang.String	<a href="#">getName</a> () Get the module name

### Methods inherited from class java.lang.Object

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

### Constructors

#### Module

public **Module**(java.lang.String name)

Construct the instance given its name

(continued from last page)

**Parameters:**

name - Module name

## Methods

### getName

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

Get the module name

**Returns:**

Name

### addAction

```
public void addAction(Action action)
```

Add an action to the module

**Parameters:**

action - Action to include

### addActions

```
public void addActions(java.lang.Iterable actions)
```

Add all the actions

**Parameters:**

actions - Actions to be added

### getAllActions

```
public java.util.List getAllActions()
```

Get all the actions

**Returns:**

Module actions

### getActions

```
public java.util.List getActions(java.lang.String name)
```

Get all the actions with a given name

**Parameters:**

name - Action name

**Returns:**

List of actions with the given name

### getAction

```
public Action getAction(java.lang.String name,  
    java.lang.String[] params)
```

(continued from last page)

Get an action given its name and parameters

**Parameters:**

name - Action name

params - Name of its parameters

**Returns:**

Action if found, null otherwise

---

## getAction

```
public Action getAction(java.lang.String actionName,  
                        java.util.Map params)
```

Get an action given its name and its parameters

**Parameters:**

actionName - Action name

params - Parameters of the action

**Returns:**

Action if found, null otherwise



---

**Package**

**io.reneses.tela.core.dispatcher.scanner**

# io.reneses.tela.core.dispatcher.scanner

## Class AbstractActionScanner

java.lang.Object

└--io.reneses.tela.core.dispatcher.scanner.AbstractActionScanner

Direct Known Subclasses:

[ActionScanner](#)

public abstract class **AbstractActionScanner**  
extends java.lang.Object

The function scanner is the component responsible of scanning the classes, extracting the actions, storing them, and returning them by its name and parameters

### Field Summary

protected	<a href="#">classesToScan</a>
protected	<a href="#">packagestoScan</a>

### Constructor Summary

	<a href="#">AbstractActionScanner</a> (java.util.Collection classesToScan, java.util.Collection packagestoScan) Instantiate the scanner with the classes and packages to scan
--	--

### Method Summary

abstract java.util.Map	<a href="#">scan</a> () Scan the classes and packages
---------------------------	--

#### Methods inherited from class java.lang.Object

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

### Fields

#### classesToScan

protected java.util.Collection **classesToScan**

#### packagestoScan

protected java.util.Collection **packagestoScan**

## Constructors

### AbstractActionScanner

```
AbstractActionScanner( java.util.Collection classesToScan,  
                        java.util.Collection packagestoScan)
```

Instantiate the scanner with the classes and packages to scan

**Parameters:**

classesToScan - Classes to scan

packagestoScan - Packages to scan

## Methods

### scan

```
public abstract java.util.Map scan()
```

Scan the classes and packages

**Returns:**

The modules found within them

# io.reneses.tela.core.dispatcher.scanner

## Class ActionScanner

java.lang.Object

└-[io.reneses.tela.core.dispatcher.scanner.AbstractActionScanner](#)  
 └-[io.reneses.tela.core.dispatcher.scanner.ActionScanner](#)

class **ActionScanner**

extends [AbstractActionScanner](#)

The function scanner is the component responsible of scanning the classes, extracting the actions, storing them, and returning them by its name and parameters

Fields inherited from class [io.reneses.tela.core.dispatcher.scanner.AbstractActionScanner](#)

[classesToScan](#), [packagestoScan](#)

## Constructor Summary

	<b><a href="#">ActionScanner</a></b> (java.util.Collection classesToScan, java.util.Collection packagestoScan) Instantiate the scanner, scanning, parsing and storing the actions within the supplied classes
--	--

## Method Summary

java.util.Map	<b><a href="#">scan</a></b> () Scan the classes and packages
---------------	---

Methods inherited from class [io.reneses.tela.core.dispatcher.scanner.AbstractActionScanner](#)

[scan](#)

Methods inherited from class java.lang.Object

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

## Constructors

### ActionScanner

**ActionScanner**(java.util.Collection classesToScan, java.util.Collection packagestoScan)

Instantiate the scanner, scanning, parsing and storing the actions within the supplied classes

#### Parameters:

classesToScan - Classes to scan  
 packagestoScan - Packages to scan

## Methods

(continued from last page)

## **scan**

```
public java.util.Map scan()
```

Scan the classes and packages

## io.reneses.tela.core.dispatcher.scanner

### Class ActionScannerFactory

java.lang.Object

└─io.reneses.tela.core.dispatcher.scanner.ActionScannerFactory

public class **ActionScannerFactory**  
extends java.lang.Object

ActionScannerFactory class.

#### Constructor Summary

public	<a href="#">ActionScannerFactory()</a>
--------	--

#### Method Summary

static <a href="#">AbstractActionScanner</a>	<a href="#">create</a> (java.util.Collection classesToScan, java.util.Collection packagestoScan) Create an action scanner
---	--

#### Methods inherited from class java.lang.Object

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

## Constructors

### ActionScannerFactory

public **ActionScannerFactory**()

## Methods

### create

public static [AbstractActionScanner](#) **create**(java.util.Collection classesToScan, java.util.Collection packagestoScan)

Create an action scanner

#### Parameters:

classesToScan - Classes to be scanned

packagestoScan - Packages to be scanned

#### Returns:

ActionDispatcher instance

# io.reneses.tela.core.dispatcher.scanner

## Class PackageScanner

java.lang.Object

└─io.reneses.tela.core.dispatcher.scanner.PackageScanner

class **PackageScanner**  
extends java.lang.Object

Scan a package extracting all the classes Based on: <https://github.com/ddopson/java-class-enumerator>

### Method Summary

static java.util.List	<a href="#">getClassesForPackage</a> (java.lang.Package pkg) Give a package this method returns all classes contained in that package
-----------------------	--

### Methods inherited from class java.lang.Object

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

### Methods

#### getClassesForPackage

static java.util.List **getClassesForPackage**(java.lang.Package pkg)

Give a package this method returns all classes contained in that package

##### Parameters:

pkg - Package to scan

##### Returns:

Classes within the given package

---

**Package**

**io.reneses.tela.core.history**



## io.reneses.tela.core.history Interface History

All Known Implementing Classes:

[HistoryImpl](#)

public interface **History**  
extends

The History is the component in charge of storing the latest actions performed by the framework. This information is mainly used to decide whether retrieve an action from the cacheManager, although it could also be used for debugging / statistical / monitoring purposes.

### Method Summary

abstract void	<a href="#">add</a> ( <a href="#">HistoryEntry</a> entry) Add an entry to the history
abstract boolean	<a href="#">isPresent</a> ( <a href="#">HistoryEntry</a> entry) Check if an entry is present in the history

### Methods

#### add

public abstract void **add**([HistoryEntry](#) entry)

Add an entry to the history

**Parameters:**

entry - History entry

#### isPresent

public abstract boolean **isPresent**([HistoryEntry](#) entry)

Check if an entry is present in the history

**Parameters:**

entry - History entry

**Returns:**

True if present, false otherwise

io.reneses.tela.core.history

# Class HistoryFactory

java.lang.Object

└─io.reneses.tela.core.history.HistoryFactory

public class **HistoryFactory**  
extends java.lang.Object

HistoryFactory class.

## Method Summary

static <a href="#">History</a>	<a href="#">create()</a> Create a history instance of the configured implementation
--------------------------------	--

## Methods inherited from class java.lang.Object

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

## Methods

### create

public static [History](#) **create()**

Create a history instance of the configured implementation

**Returns:**  
History

## io.reneses.tela.core.history

### Class HistoryImpl

java.lang.Object

↳-io.reneses.tela.core.history.HistoryImpl

All Implemented Interfaces:

[History](#)

public class **HistoryImpl**  
 extends java.lang.Object  
 implements [History](#)

#### Constructor Summary

public	<a href="#">HistoryImpl</a> ( <a href="#">CacheManager</a> cacheManager)
--------	--

#### Method Summary

void	<a href="#">add</a> ( <a href="#">HistoryEntry</a> entry)
boolean	<a href="#">isPresent</a> ( <a href="#">HistoryEntry</a> entry)

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface [io.reneses.tela.core.history.History](#)

[add](#), [isPresent](#)

## Constructors

### HistoryImpl

public **HistoryImpl**([CacheManager](#) cacheManager)

## Methods

### add

public void **add**([HistoryEntry](#) entry)

---

## isPresent

```
public boolean isPresent(HistoryEntry entry)
```

---

**Package**

**io.reneses.tela.core.history.models**

## io.reneses.tela.core.history.models

### Class HistoryEntry

```
java.lang.Object
```

```
└--io.reneses.tela.core.history.models.HistoryEntry
```

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

History Entry model A history entry is defined by the module, the action name, and the parameters it has been invoked with.

#### Constructor Summary

public	<a href="#">HistoryEntry</a> (java.lang.String module, java.lang.String action, java.lang.Object[] parameters) Constructor for HistoryEntry.
--------	---

#### Method Summary

boolean	<a href="#">equals</a> (java.lang.Object o)
java.lang.String	<a href="#">getAction</a> () Getter for the field action.
java.lang.String	<a href="#">getModule</a> () Getter for the field module.
java.lang.Object[]	<a href="#">getParameters</a> () Getter for the field parameters.
int	<a href="#">hashCode</a> ()

#### Methods inherited from class java.lang.Object

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

## Constructors

### HistoryEntry

```
public HistoryEntry(java.lang.String module,
                    java.lang.String action,
                    java.lang.Object[] parameters)
```

Constructor for HistoryEntry.

#### Parameters:

module - a java.lang.String object.  
action - a java.lang.String object.  
parameters - a java.lang.Object object.

## Methods

### getModule

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

Getter for the field module.

**Returns:**

a java.lang.String object.

---

### getAction

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

Getter for the field action.

**Returns:**

a java.lang.String object.

---

### getParameters

```
public java.lang.Object[] getParameters()
```

Getter for the field parameters.

**Returns:**

an array of java.lang.Object objects.

---

### equals

```
public boolean equals(java.lang.Object o)
```

---

### hashCode

```
public int hashCode()
```

---

---

**Package**

**io.reneses.tela.core.scheduler**



# io.reneses.tela.core.scheduler

## Class AbstractScheduler

java.lang.Object

↳-io.reneses.tela.core.scheduler.AbstractScheduler

All Implemented Interfaces:

[Scheduler](#)

Direct Known Subclasses:

[SchedulerImpl](#)

abstract class **AbstractScheduler**

extends java.lang.Object

implements [Scheduler](#)

Abstract Scheduler with common functionality for every implementation

### Field Summary

protected	<a href="#">dispatcher</a>
protected	<a href="#">sessionManager</a>

Fields inherited from interface [io.reneses.tela.core.scheduler.Scheduler](#)

[DEFAULT\\_DELAY](#)

### Constructor Summary

	<a href="#">AbstractScheduler</a> ( <a href="#">ActionDispatcher</a> dispatcher, <a href="#">SessionManager</a> sessionManager, int delay) SchedulerImpl constructor
--	---

### Method Summary

int	<a href="#">getDelay</a> ()
-----	-----------------------------

Methods inherited from class java.lang.Object

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

Methods inherited from interface [io.reneses.tela.core.scheduler.Scheduler](#)

[cancel](#), [cancel](#), [cancelAll](#), [close](#), [contains](#), [getDelay](#), [getScheduledAction](#), [getScheduledActions](#), [getScheduledActions](#), [schedule](#)

### Fields

(continued from last page)

## dispatcher

```
protected io.reneses.tela.core.dispatcher.ActionDispatcher dispatcher
```

---

## sessionManager

```
protected io.reneses.tela.core.sessions.SessionManager sessionManager
```

## Constructors

### AbstractScheduler

```
AbstractScheduler(ActionDispatcher dispatcher,  
                  SessionManager sessionManager,  
                  int delay)
```

SchedulerImpl constructor

#### Parameters:

dispatcher - Action dispatcher  
sessionManager - Session manager  
delay - SchedulerImpl delay (in seconds)

## Methods

### getDelay

```
public int getDelay()
```

#### Returns:

a int.

## io.reneses.tela.core.scheduler Interface Scheduler

All Known Implementing Classes:

[AbstractScheduler](#)

public interface **Scheduler**  
extends

Action Scheduler

### Field Summary

public static final	<a href="#">DEFAULT_DELAY</a> The execution delay of the scheduler, given in seconds Value: <b>300</b>
---------------------	--

### Method Summary

abstract void	<a href="#">cancel</a> ( <a href="#">Session</a> session, int actionId) Cancel the scheduled action given with the given id
abstract void	<a href="#">cancel</a> ( <a href="#">Session</a> session, <a href="#">ScheduledAction</a> action) Cancel a scheduled action
abstract void	<a href="#">cancelAll</a> ( <a href="#">Session</a> session) Cancel all the scheduled actions given with the provided session
abstract void	<a href="#">close</a> () Stop and close the scheduler (the scheduled actions, however, will not be removed from the data storage)
abstract boolean	<a href="#">contains</a> ( <a href="#">ScheduledAction</a> action) Check if the scheduler has a given action
abstract int	<a href="#">getDelay</a> () Get the execution delay
abstract <a href="#">ScheduledAction</a>	<a href="#">getScheduledAction</a> (int actionId) Get the scheduled action by ID
abstract java.util.List	<a href="#">getScheduledActions</a> () Get all the scheduled actions
abstract java.util.List	<a href="#">getScheduledActions</a> ( <a href="#">Session</a> session) Get all the scheduled actions by session
abstract java.lang.Object	<a href="#">schedule</a> ( <a href="#">ScheduledAction</a> action) Schedule an action

### Fields

(continued from last page)

## DEFAULT\_DELAY

```
public static final int DEFAULT_DELAY
```

The execution delay of the scheduler, given in seconds  
Constant value: **300**

## Methods

### getDelay

```
public abstract int getDelay()
```

Get the execution delay

**Returns:**

The execution delay of the scheduler, given in seconds

---

### close

```
public abstract void close()
```

Stop and close the scheduler (the scheduled actions, however, will not be removed from the data storage)

---

### schedule

```
public abstract java.lang.Object schedule(ScheduledAction action)  
throws java.lang.Exception
```

Schedule an action

**Parameters:**

action - Action

**Returns:**

Result of the action

**Throws:**

[ActionNotDefinedException](#) - Action is not defined

[InvocationTargetException](#) - The action could not be executed

[ActionNotSchedulableException](#) - The action is not marked as schedulable

[SessionNotFoundException](#) - The session is not valid

[ActionAlreadyScheduledException](#) - The action has already been scheduled for the same session

Exception - if any.

---

### contains

```
public abstract boolean contains(ScheduledAction action)
```

Check if the scheduler has a given action

**Parameters:**

action - Scheduled action

**Returns:**

True if it is contained, False otherwise

(continued from last page)

## getScheduledAction

```
public abstract ScheduledAction getScheduledAction(int actionId)  
    throws ActionNotScheduledException
```

Get the scheduled action by ID

**Parameters:**

actionId - Action ID

**Returns:**

Scheduled action

**Throws:**

[ActionNotScheduledException](#) - There is not scheduled action for the given ID

---

## getScheduledActions

```
public abstract java.util.List getScheduledActions(Session session)
```

Get all the scheduled actions by session

**Parameters:**

session - Session

**Returns:**

Scheduled actions with the given session

---

## getScheduledActions

```
public abstract java.util.List getScheduledActions()
```

Get all the scheduled actions

**Returns:**

Scheduled actions

---

## cancel

```
public abstract void cancel(Session session,  
    ScheduledAction action)  
    throws ActionNotScheduledException,  
        ForbiddenSchedulerException
```

Cancel a scheduled action

**Parameters:**

session - Session to cancel the action from

action - Action to be removed

**Throws:**

[ActionNotScheduledException](#) - The provided action is not scheduled

[ForbiddenSchedulerException](#) - The provided action is scheduled with from other session

(continued from last page)

## cancel

```
public abstract void cancel(Session session,  
    int actionId)  
    throws ActionNotScheduledException,  
        ForbiddenSchedulerException
```

Cancel the scheduled action given with the given id

### Parameters:

session - Session to cancel the action from  
actionId - Action ID

### Throws:

[ActionNotScheduledException](#) - The provided action is not scheduled  
[ForbiddenSchedulerException](#) - The provided action is scheduled with from other session

---

## cancelAll

```
public abstract void cancelAll(Session session)
```

Cancel all the scheduled actions given with the provided session

### Parameters:

session - Session

## io.reneses.tela.core.scheduler Class SchedulerFactory

java.lang.Object

└io.reneses.tela.core.scheduler.SchedulerFactory

public class **SchedulerFactory**  
extends java.lang.Object

SchedulerImpl Factory responsible of creating an implementation of AbstractScheduler

### Method Summary

static <a href="#">Scheduler</a>	<a href="#">create</a> ( <a href="#">ActionDispatcher</a> dispatcher, <a href="#">SessionManager</a> sessionManager) Create and return an instance of an implementation ofAbstract SchedulerImpl
static void	<a href="#">setDelay</a> (int schedulerDelay) Set the scheduler delay

### Methods inherited from class java.lang.Object

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

### Methods

#### setDelay

public static void **setDelay**(int schedulerDelay)

Set the scheduler delay

##### Parameters:

schedulerDelay - SchedulerImpl delay (in seconds)

#### create

public static [Scheduler](#) **create**([ActionDispatcher](#) dispatcher, [SessionManager](#) sessionManager)

Create and return an instance of an implementation ofAbstract SchedulerImpl

##### Parameters:

dispatcher - Action Dispatcher

sessionManager - Session Manager

##### Returns:

SchedulerImpl

## io.reneses.tela.core.scheduler

### Class SchedulerImpl

java.lang.Object

└-[io.reneses.tela.core.scheduler.AbstractScheduler](#)  
 └-[io.reneses.tela.core.scheduler.SchedulerImpl](#)

All Implemented Interfaces:  
[Scheduler](#)

class **SchedulerImpl**  
 extends [AbstractScheduler](#)

Action SchedulerImpl

Fields inherited from class [io.reneses.tela.core.scheduler.AbstractScheduler](#)

[dispatcher](#), [sessionManager](#)

Fields inherited from interface [io.reneses.tela.core.scheduler.Scheduler](#)

[DEFAULT\\_DELAY](#)

### Constructor Summary

	<a href="#">SchedulerImpl</a> ( <a href="#">ActionDispatcher</a> dispatcher, <a href="#">SessionManager</a> sessionManager, int delay) Scheduler constructor
--	---

### Method Summary

void	<a href="#">cancel</a> ( <a href="#">Session</a> session, int actionId)
void	<a href="#">cancel</a> ( <a href="#">Session</a> session, <a href="#">ScheduledAction</a> action)
void	<a href="#">cancelAll</a> ( <a href="#">Session</a> session)
void	<a href="#">close</a> ()
boolean	<a href="#">contains</a> ( <a href="#">ScheduledAction</a> action)
<a href="#">ScheduledAction</a>	<a href="#">getScheduledAction</a> (int actionId)
java.util.List	<a href="#">getScheduledActions</a> ()
java.util.List	<a href="#">getScheduledActions</a> ( <a href="#">Session</a> session)
java.lang.Object	<a href="#">schedule</a> ( <a href="#">ScheduledAction</a> action)



Methods inherited from class [io.reneses.tela.core.scheduler.AbstractScheduler](#)

[getDelay](#)

Methods inherited from class `java.lang.Object`

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

Methods inherited from interface [io.reneses.tela.core.scheduler.Scheduler](#)

[cancel](#), [cancel](#), [cancelAll](#), [close](#), [contains](#), [getDelay](#), [getScheduledAction](#), [getScheduledActions](#), [getScheduledActions](#), [schedule](#)

## Constructors

### SchedulerImpl

```
SchedulerImpl(ActionDispatcher dispatcher,
               SessionManager sessionManager,
               int delay)
```

Scheduler constructor

#### Parameters:

`dispatcher` - Action dispatcher  
`sessionManager` - Session manager  
`delay` - Scheduler delay (in seconds)

## Methods

### close

```
public void close()
```

### schedule

```
public java.lang.Object schedule(ScheduledAction action)
    throws java.lang.Exception
```

### contains

```
public boolean contains(ScheduledAction action)
```

### getScheduledAction

```
public ScheduledAction getScheduledAction(int actionId)
    throws ActionNotScheduledException
```

---

## getScheduledActions

```
public java.util.List getScheduledActions(Session session)
```

---

---

## getScheduledActions

```
public java.util.List getScheduledActions()
```

---

---

## cancel

```
public void cancel(Session session,  
                  ScheduledAction action)  
    throws ActionNotScheduledException,  
          ForbiddenSchedulerException
```

---

---

## cancel

```
public void cancel(Session session,  
                  int actionId)  
    throws ActionNotScheduledException,  
          ForbiddenSchedulerException
```

---

---

## cancelAll

```
public void cancelAll(Session session)
```

---

---

Package

**io.reneses.tela.core.scheduler.databases.extensions**

## io.reneses.tela.core.scheduler.databases.extensions

### Class SchedulerOrientDatabaseExtension

java.lang.Object

└- [io.reneses.tela.core.databases.extensions.OrientDatabaseExtension](#)

└-

**io.reneses.tela.core.scheduler.databases.extensions.SchedulerOrientDatabaseExtension**

All Implemented Interfaces:

[DatabaseExtension](#)

public class **SchedulerOrientDatabaseExtension**

extends [OrientDatabaseExtension](#)

OrientDB extension for the scheduler

#### Field Summary

public static final	<a href="#">PARAMS_CLASS</a> Value: <b>Parameter</b>
public static final	<a href="#">PARAMS_EDGE</a> Value: <b>HasParam</b>
public static final	<a href="#">PARAMS_NAME</a> Value: <b>name</b>
public static final	<a href="#">PARAMS_VALUES</a> Value: <b>values</b>
public static final	<a href="#">TASK_ACCESS_TOKEN</a> Value: <b>access_token</b>
public static final	<a href="#">TASK_CLASS</a> Value: <b>Task</b>
public static final	<a href="#">TASK_CREATED_AT</a> Value: <b>created_at</b>
public static final	<a href="#">TASK_DELAY</a> Value: <b>delay</b>
public static final	<a href="#">TASK_ID</a> Value: <b>task_id</b>
public static final	<a href="#">TASK_MODULE</a> Value: <b>module</b>

public static final	<a href="#">TASK_NAME</a> Value: <b>name</b>
public static final	<a href="#">TASK_NEXT_EXECUTION</a> Value: <b>next_execution</b>

## Constructor Summary

public	<a href="#">SchedulerOrientDatabaseExtension()</a>
--------	--

## Method Summary

void	<a href="#">init</a> ( <a href="#">OrientGraphWrapper</a> telaGraph)
boolean	<a href="#">isInitiated</a> ( <a href="#">OrientGraphWrapper</a> telaGraph)

### Methods inherited from class `java.lang.Object`

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

### Methods inherited from interface [io.reneses.tela.core.databases.extensions.DatabaseExtension](#)

[init](#), [isInitiated](#)

## Fields

### TASK\_CLASS

```
public static final java.lang.String TASK_CLASS
```

Constant value: **Task**

### TASK\_DELAY

```
public static final java.lang.String TASK_DELAY
```

Constant value: **delay**

### TASK\_ACCESS\_TOKEN

```
public static final java.lang.String TASK_ACCESS_TOKEN
```

Constant value: **access\_token**

### TASK\_MODULE

```
public static final java.lang.String TASK_MODULE
```

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Constant value: **module**

---

## TASK\_NAME

```
public static final java.lang.String TASK_NAME
```

Constant value: **name**

---

## TASK\_ID

```
public static final java.lang.String TASK_ID
```

Constant value: **task\_id**

---

## TASK\_CREATED\_AT

```
public static final java.lang.String TASK_CREATED_AT
```

Constant value: **created\_at**

---

## TASK\_NEXT\_EXECUTION

```
public static final java.lang.String TASK_NEXT_EXECUTION
```

Constant value: **next\_execution**

---

## PARAMS\_EDGE

```
public static final java.lang.String PARAMS_EDGE
```

Constant value: **HasParam**

---

## PARAMS\_CLASS

```
public static final java.lang.String PARAMS_CLASS
```

Constant value: **Parameter**

---

## PARAMS\_NAME

```
public static final java.lang.String PARAMS_NAME
```

Constant value: **name**

---

## PARAMS\_VALUES

```
public static final java.lang.String PARAMS_VALUES
```

Constant value: **values**

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## Constructors

### **SchedulerOrientDatabaseExtension**

```
public SchedulerOrientDatabaseExtension()
```

## Methods

### **isInitiated**

```
public boolean isInitiated(OrientGraphWrapper telaGraph)
```

---

### **init**

```
public void init(OrientGraphWrapper telaGraph)
```

---

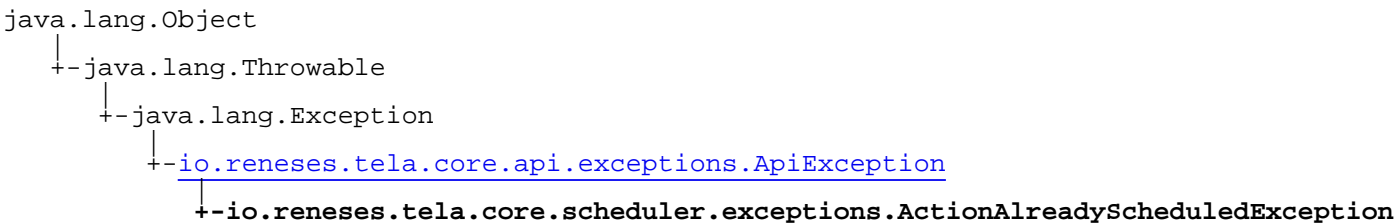
**Package**

**io.reneses.tela.core.scheduler.exceptions**



# io.reneses.tela.core.scheduler.exceptions

## Class ActionAlreadyScheduledException



All Implemented Interfaces:  
java.io.Serializable

public class **ActionAlreadyScheduledException**  
extends [ApiException](#)

Exception raised when scheduling an action that is already scheduled

Fields inherited from class java.lang.Exception
serialVersionUID

Constructor Summary	
public	<a href="#"><u>ActionAlreadyScheduledException</u></a> ( <a href="#"><u>ScheduledAction</u></a> action)
	Constructor

Methods inherited from class <a href="#">io.reneses.tela.core.api.exceptions.ApiException</a>
<a href="#">getStatusCode</a>

Methods inherited from class java.lang.Throwable
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructors

### ActionAlreadyScheduledException

public **ActionAlreadyScheduledException**([ScheduledAction](#) action)

Constructor

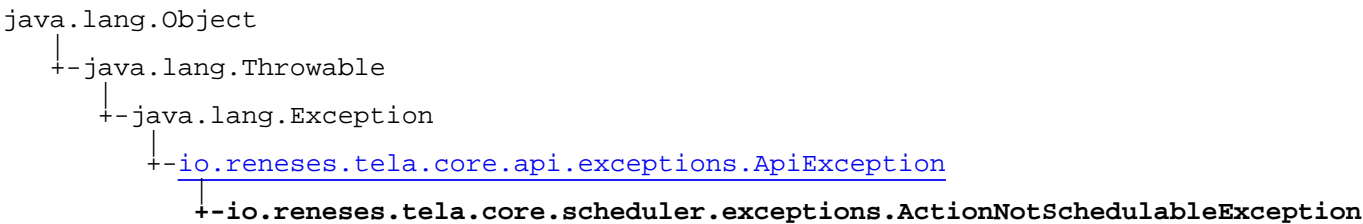
Parameters:

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action - Scheduled action

# io.reneses.tela.core.scheduler.exceptions

## Class ActionNotSchedulableException



All Implemented Interfaces:  
java.io.Serializable

public class **ActionNotSchedulableException**  
extends [ApiException](#)

Exception raised when an action not schedulable tries to be scheduled

Fields inherited from class java.lang.Exception	
serialVersionUID	
Constructor Summary	
public	<a href="#">ActionNotSchedulableException</a> ( <a href="#">Action</a> action) Constructor
Methods inherited from class <a href="#">io.reneses.tela.core.api.exceptions.ApiException</a>	
<a href="#">getStatusCode</a>	
Methods inherited from class java.lang.Throwable	
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString	
Methods inherited from class java.lang.Object	
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait	

## Constructors

### ActionNotSchedulableException

public **ActionNotSchedulableException**([Action](#) action)

Constructor

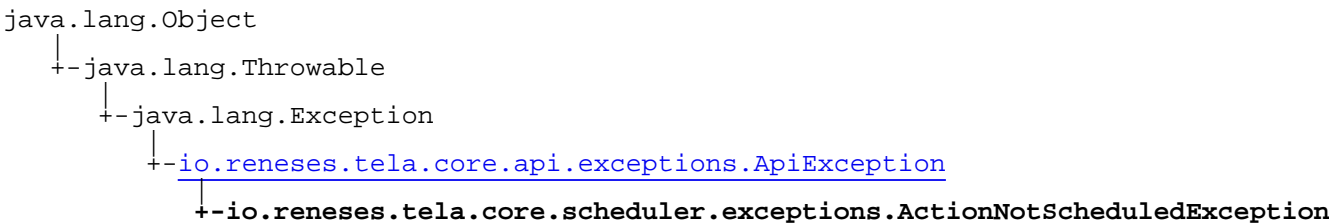
Parameters:

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action - Action

# io.reneses.tela.core.scheduler.exceptions

## Class ActionNotScheduledException



All Implemented Interfaces:  
java.io.Serializable

public class **ActionNotScheduledException**  
extends [ApiException](#)

Exception raised when trying to perform scheduled operations over a not scheduled action

Fields inherited from class java.lang.Exception
serialVersionUID

Constructor Summary	
public	<a href="#">ActionNotScheduledException</a> ( <a href="#">ScheduledAction</a> action) Constructor with instance
public	<a href="#">ActionNotScheduledException</a> (int actionId) Constructor with ID

Methods inherited from class <a href="#">io.reneses.tela.core.api.exceptions.ApiException</a>
<a href="#">getStatusCode</a>

Methods inherited from class java.lang.Throwable
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructors

### ActionNotScheduledException

public **ActionNotScheduledException**([ScheduledAction](#) action)

(continued from last page)

Constructor with instance

**Parameters:**

`action` - Scheduled Action

---

## ActionNotScheduledException

```
public ActionNotScheduledException(int actionId)
```

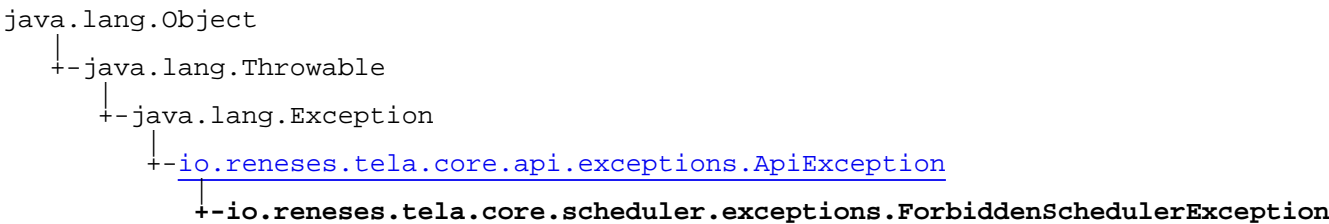
Constructor with ID

**Parameters:**

`actionId` - Scheduled Action ID

# io.reneses.tela.core.scheduler.exceptions

## Class ForbiddenSchedulerException



All Implemented Interfaces:  
java.io.Serializable

public class **ForbiddenSchedulerException**  
extends [ApiException](#)

Exception raised when an action not schedulable tries to be scheduled

Fields inherited from class java.lang.Exception
serialVersionUID

Constructor Summary
<div>public</div> <div><a href="#">ForbiddenSchedulerException</a>(java.lang.String session, <a href="#">ScheduledAction</a> action)</div> <div>Constructor</div>

Methods inherited from class <a href="#">io.reneses.tela.core.api.exceptions.ApiException</a>
<a href="#">getStatusCode</a>

Methods inherited from class java.lang.Throwable
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructors

### ForbiddenSchedulerException

```
public ForbiddenSchedulerException(java.lang.String session,
                                   ScheduledAction action)

    Constructor
```

(continued from last page)

**Parameters:**

`session` - Session trying to modify the action

`action` - Scheduled action



---

**Package**

**io.reneses.tela.core.scheduler.models**

## io.reneses.tela.core.scheduler.models

### Class ScheduledAction

java.lang.Object

↳-io.reneses.tela.core.scheduler.models.ScheduledAction

public class **ScheduledAction**  
extends java.lang.Object

Scheduled Action

#### Constructor Summary

public	<a href="#">ScheduledAction()</a> Default constructor for deserialization purposes
public	<a href="#">ScheduledAction(int id, java.lang.String accessToken, int delay, java.lang.String moduleName, java.lang.String actionName, java.util.Map params, java.time.LocalDateTime createdAt, java.time.LocalDateTime nextExecution)</a> Full constructor
public	<a href="#">ScheduledAction(java.lang.String accessToken, int delay, java.lang.String moduleName, java.lang.String actionName, java.util.Map params)</a> Constructor for first-time created objects It initiates the created date and calculates the next execution
public	<a href="#">ScheduledAction(java.lang.String accessToken, int delay, java.lang.String moduleName, java.lang.String actionName)</a> Constructor for first-time created objects without parameters It initiates the created date and calculates the next execution

#### Method Summary

boolean	<a href="#">equals(java.lang.Object o)</a>
java.lang.String	<a href="#">getAccessToken()</a> Getter for the field accessToken.
java.lang.String	<a href="#">getActionName()</a> Getter for the field actionName.
java.time.LocalDateTime	<a href="#">getCreatedAt()</a> Getter for the field createdAt.
long	<a href="#">getCreatedAtAsLong()</a> getCreatedAtAsLong.
int	<a href="#">getDelay()</a> Getter for the field delay.
int	<a href="#">getId()</a> Get the ID property

java.lang.String	<a href="#">getModuleName()</a> Getter for the field moduleName.
java.time.LocalDateTime	<a href="#">getNextExecution()</a> Getter for the field nextExecution.
long	<a href="#">getNextExecutionAsLong()</a> getNextExecutionAsLong.
java.util.Map	<a href="#">getParams()</a> Getter for the field params.
int	<a href="#">hashCode()</a>
void	<a href="#">setAccessToken()</a> (java.lang.String accessToken) Setter for the field accessToken.
void	<a href="#">setActionName()</a> (java.lang.String actionName) Setter for the field actionName.
void	<a href="#">setCreatedAt()</a> (java.time.LocalDateTime createdAt) Setter for the field createdAt.
void	<a href="#">setCreatedAtAsLong()</a> (long createdAt) setCreatedAtAsLong.
void	<a href="#">setDelay()</a> (int delay) Setter for the field delay.
void	<a href="#">setId()</a> (int id) Set the ID property
void	<a href="#">setModuleName()</a> (java.lang.String moduleName) Setter for the field moduleName.
void	<a href="#">setNextExecution()</a> (java.time.LocalDateTime nextExecution) Setter for the field nextExecution.
void	<a href="#">setNextExecutionAsLong()</a> (long nextExecution) setNextExecutionAsLong.
void	<a href="#">setParams()</a> (java.util.Map params) Setter for the field params.
java.lang.String	<a href="#">toString()</a>
void	<a href="#">updateNextExecution()</a> Update the date of the next execution

#### Methods inherited from class java.lang.Object

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

## Constructors

(continued from last page)

---

## ScheduledAction

```
public ScheduledAction()
```

Default constructor for deserialization purposes

---

## ScheduledAction

```
public ScheduledAction(int id,
    java.lang.String accessToken,
    int delay,
    java.lang.String moduleName,
    java.lang.String actionName,
    java.util.Map params,
    java.time.LocalDateTime createdAt,
    java.time.LocalDateTime nextExecution)
```

Full constructor

### Parameters:

id - Scheduled ID  
accessToken - Access token  
delay - Delay (in seconds) for the execution  
moduleName - Action prefix  
actionName - Action name  
params - Action parameters  
createdAt - Creation date of the scheduled action  
nextExecution - Datetime of the next execution

---

## ScheduledAction

```
public ScheduledAction(java.lang.String accessToken,
    int delay,
    java.lang.String moduleName,
    java.lang.String actionName,
    java.util.Map params)
```

Constructor for first-time created objects It initiates the created date and calculates the next execution

### Parameters:

accessToken - Session  
delay - Delay (in seconds) for the execution  
moduleName - Action prefix  
actionName - Action name  
params - Action parameters

---

## ScheduledAction

```
public ScheduledAction(java.lang.String accessToken,
    int delay,
    java.lang.String moduleName,
    java.lang.String actionName)
```

Constructor for first-time created objects without parameters It initiates the created date and calculates the next execution

### Parameters:

accessToken - Session  
delay - Delay (in seconds) for the execution  
moduleName - Action prefix  
actionName - Action name

---

## Methods

### updateNextExecution

```
public void updateNextExecution()
```

Update the date of the next execution

### setCreatedAtAsLong

```
public void setCreatedAtAsLong(long createdAt)
```

setCreatedAtAsLong.

**Parameters:**

createdAt - a long.

### getCreatedAtAsLong

```
public long getCreatedAtAsLong()
```

getCreatedAtAsLong.

**Returns:**

a long.

### setNextExecutionAsLong

```
public void setNextExecutionAsLong(long nextExecution)
```

setNextExecutionAsLong.

**Parameters:**

nextExecution - a long.

### getNextExecutionAsLong

```
public long getNextExecutionAsLong()
```

getNextExecutionAsLong.

**Returns:**

a long.

### setId

```
public void setId(int id)
```

Set the ID property

**Parameters:**

id - Scheduled action ID

### getId

```
public int getId()
```

(continued from last page)

Get the ID property

**Returns:**

Scheduled action ID

---

## getDelay

```
public int getDelay()
```

Getter for the field delay.

**Returns:**

a int.

---

## setDelay

```
public void setDelay(int delay)
```

Setter for the field delay.

**Parameters:**

delay - a int.

---

## getAccessToken

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

Getter for the field accessToken.

**Returns:**

a java.lang.String object.

---

## setAccessToken

```
public void setAccessToken(java.lang.String accessToken)
```

Setter for the field accessToken.

**Parameters:**

accessToken - a java.lang.String object.

---

## getModuleName

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

Getter for the field moduleName.

**Returns:**

a java.lang.String object.

---

## setModuleName

```
public void setModuleName(java.lang.String moduleName)
```

Setter for the field moduleName.

**Parameters:**

moduleName - a java.lang.String object.

## getActionName

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

Getter for the field `actionName`.

**Returns:**

a `java.lang.String` object.

---

## setActionName

```
public void setActionName(java.lang.String actionName)
```

Setter for the field `actionName`.

**Parameters:**

`actionName` - a `java.lang.String` object.

---

## getCreatedAt

```
public java.time.LocalDateTime getCreatedAt()
```

Getter for the field `createdAt`.

**Returns:**

a `java.time.LocalDateTime` object.

---

## setCreatedAt

```
public void setCreatedAt(java.time.LocalDateTime createdAt)
```

Setter for the field `createdAt`.

**Parameters:**

`createdAt` - a `java.time.LocalDateTime` object.

---

## getNextExecution

```
public java.time.LocalDateTime getNextExecution()
```

Getter for the field `nextExecution`.

**Returns:**

a `java.time.LocalDateTime` object.

---

## setNextExecution

```
public void setNextExecution(java.time.LocalDateTime nextExecution)
```

Setter for the field `nextExecution`.

**Parameters:**

`nextExecution` - a `java.time.LocalDateTime` object.

---

## getParams

```
public java.util.Map getParams()
```

---

(continued from last page)

Getter for the field `params`.

**Returns:**

a `java.util.Map` object.

---

## **setParams**

```
public void setParams(java.util.Map params)
```

Setter for the field `params`.

**Parameters:**

`params` - a `java.util.Map` object.

---

## **toString**

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

---

## **equals**

```
public boolean equals(java.lang.Object o)
```

---

## **hashCode**

```
public int hashCode()
```



---

**Package**

**io.reneses.tela.core.scheduler.repository**  
**S**

## io.reneses.tela.core.scheduler.repositories

### Class OrientSchedulerRepository

java.lang.Object

↳ io.reneses.tela.core.scheduler.repositories.OrientSchedulerRepository

All Implemented Interfaces:

[SchedulerRepository](#)

public class **OrientSchedulerRepository**

extends java.lang.Object

implements [SchedulerRepository](#)

AbstractSchedulerRepository implementation using OrientDB

#### Constructor Summary

public	<a href="#">OrientSchedulerRepository()</a> Constructor for OrientSchedulerRepository.
--------	---

#### Method Summary

boolean	<a href="#">contains</a> (int taskId)
boolean	<a href="#">create</a> ( <a href="#">ScheduledAction</a> task)
boolean	<a href="#">delete</a> (int taskId)
int	<a href="#">deleteByAccessToken</a> (java.lang.String accessToken)
<a href="#">ScheduledAction</a>	<a href="#">find</a> (int taskId)
java.util.List	<a href="#">findAll</a> ()
java.util.List	<a href="#">findByAccessToken</a> (java.lang.String accessToken)
java.util.List	<a href="#">findReadyToExecute</a> ()
<a href="#">ScheduledAction</a>	<a href="#">mapVertex</a> (com.tinkerpop.blueprints.Vertex vertex) Map a vertex to a ScheduledAction
void	<a href="#">updateNextExecution</a> ( <a href="#">ScheduledAction</a> task)

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface

[io.reneses.tela.core.scheduler.repositories.SchedulerRepository](#)

[contains](#), [create](#), [delete](#), [deleteByAccessToken](#), [find](#), [findAll](#), [findByAccessToken](#), [findReadyToExecute](#), [updateNextExecution](#)

---

## Constructors

### OrientSchedulerRepository

```
public OrientSchedulerRepository()
```

Constructor for OrientSchedulerRepository.

## Methods

### mapVertex

```
ScheduledAction mapVertex(com.tinkerpop.blueprints.Vertex vertex)
```

Map a vertex to a ScheduledAction

**Parameters:**

vertex - Vertex

**Returns:**

ScheduledAction

---

### create

```
public boolean create(ScheduledAction task)
```

---

### updateNextExecution

```
public void updateNextExecution(ScheduledAction task)
```

---

### contains

```
public boolean contains(int taskId)
```

---

### find

```
public ScheduledAction find(int taskId)
```

---

### findReadyToExecute

```
public java.util.List findReadyToExecute()
```

---

---

## **findByAccessToken**

```
public java.util.List findByAccessToken(java.lang.String accessToken)
```

---

## **findAll**

```
public java.util.List findAll()
```

---

## **delete**

```
public boolean delete(int taskId)
```

---

## **deleteByAccessToken**

```
public int deleteByAccessToken(java.lang.String accessToken)
```

---

# io.reneses.tela.core.scheduler.repositories

## Interface SchedulerRepository

All Known Implementing Classes:

[OrientSchedulerRepository](#)

public interface **SchedulerRepository**  
extends

Scheduler repository

### Method Summary

abstract boolean	<a href="#">contains</a> (int actionId) Check if the action is scheduled
abstract boolean	<a href="#">create</a> ( <a href="#">ScheduledAction</a> action) Create an action
abstract boolean	<a href="#">delete</a> (int actionId) Delete an scheduled action
abstract int	<a href="#">deleteByAccessToken</a> ( java.lang.String accessToken) Delete all the scheduled actions with a given session
abstract <a href="#">ScheduledAction</a>	<a href="#">find</a> (int actionId) Find an scheduled action by its ID
abstract java.util.List	<a href="#">findAll</a> () Find all the scheduled actions
abstract java.util.List	<a href="#">findByAccessToken</a> ( java.lang.String accessToken) Find all the scheduled actions with the given session
abstract java.util.List	<a href="#">findReadyToExecute</a> () Find all the scheduled actions that are ready to be executed An action is ready if nextExecution is prior to this moment
abstract void	<a href="#">updateNextExecution</a> ( <a href="#">ScheduledAction</a> action) Update the next execution datetime of an action

### Methods

#### create

public abstract boolean **create**([ScheduledAction](#) action)

Create an action

#### Parameters:

action - Scheduled action

#### Returns:

(continued from last page)

Whether the action was created or not (if it was already existing or not)

---

## updateNextExecution

```
public abstract void updateNextExecution(ScheduledAction action)
```

Update the next execution datetime of an action

### Parameters:

action - Scheduled action

---

## find

```
public abstract ScheduledAction find(int actionId)
```

Find an scheduled action by its ID

### Parameters:

actionId - Scheduled action ID

### Returns:

Scheduled action

---

## findReadyToExecute

```
public abstract java.util.List findReadyToExecute()
```

Find all the scheduled actions that are ready to be executed An action is ready if nextExecution is prior to this moment

### Returns:

Scheduled actions read to be executed

---

## findByAccessToken

```
public abstract java.util.List findByAccessToken(java.lang.String accessToken)
```

Find all the scheduled actions with the given session

### Parameters:

accessToken - Session

### Returns:

Scheduled actions with the given session

---

## findAll

```
public abstract java.util.List findAll()
```

Find all the scheduled actions

### Returns:

Scheduled actions

---

## contains

```
public abstract boolean contains(int actionId)
```

Check if the action is scheduled

(continued from last page)

**Parameters:**`actionId` - Action ID**Returns:**True if the action is scheduled, false otherwise

---

**delete**

```
public abstract boolean delete(int actionId)
```

Delete an scheduled action

**Parameters:**`actionId` - Action ID**Returns:**True if deleted, false otherwise

---

**deleteByAccessToken**

```
public abstract int deleteByAccessToken(java.lang.String accessToken)
```

Delete all the scheduled actions with a given session

**Parameters:**`accessToken` - Session**Returns:**Number of scheduled actions deleted

---

---

**Package**

**io.reneses.tela.core.sessions**



# io.reneses.tela.core.sessions

## Interface SessionManager

All Known Implementing Classes:  
[SessionManagerImpl](#)

public interface **SessionManager**  
 extends

Session Manager, component responsible of handling sessions

### Method Summary

abstract void	<a href="#">addModuleToken</a> ( <a href="#">Session</a> session, java.lang.String module, java.lang.String token) Add a module token to a session If a session has already been created for a certain token, the token will be deleted from it.
abstract <a href="#">Session</a>	<a href="#">create</a> () Create new session
abstract <a href="#">Session</a>	<a href="#">createWithModuleToken</a> (java.lang.String module, java.lang.String moduleToken) Create new unique session adding a token This is shortcut for createOrUpdate() and then addModuleToken()
abstract boolean	<a href="#">delete</a> ( <a href="#">Session</a> session) Delete a session and all the related tokens
abstract boolean	<a href="#">deleteByModuleToken</a> (java.lang.String module, java.lang.String token) Delete a session given the module token
abstract boolean	<a href="#">deleteModuleToken</a> ( <a href="#">Session</a> session, java.lang.String module) Delete module token from a session
abstract boolean	<a href="#">existsByAccessToken</a> (java.lang.String accessToken) Check if the provided session exists
abstract <a href="#">Session</a>	<a href="#">findByAccessToken</a> (java.lang.String accessToken) Find a session given its access token
abstract <a href="#">Session</a>	<a href="#">findByModuleToken</a> (java.lang.String module, java.lang.String token) Get a session given the module token
abstract java.lang.String	<a href="#">getModuleToken</a> ( <a href="#">Session</a> session, java.lang.String module) Retrieve the module token of a session

### Methods

#### create

public abstract [Session](#) **create**()

Create new session

(continued from last page)

**Returns:**

Session

---

**createWithModuleToken**

```
public abstract Session createWithModuleToken(java.lang.String module,  
                                              java.lang.String moduleToken)
```

Create new unique session adding a token This is shortcut for createOrUpdate() and then addModuleToken()

**Parameters:**

module - Module name

moduleToken - Token to add

**Returns:**

Session

---

**findByAccessToken**

```
public abstract Session findByAccessToken(java.lang.String accessToken)  
throws SessionNotFoundException
```

Find a session given its access token

**Parameters:**

accessToken - Access token

**Returns:**

Session with the provided access token

**Throws:**

[SessionNotFoundException](#) - if there is no session for the given access token.

---

**existsByAccessToken**

```
public abstract boolean existsByAccessToken(java.lang.String accessToken)
```

Check if the provided session exists

**Parameters:**

accessToken - AccessToken

**Returns:**

True if the session exists, false otherwise

---

**delete**

```
public abstract boolean delete(Session session)
```

Delete a session and all the related tokens

**Parameters:**

session - Session ID

**Returns:**

True if deleted, false otherwise

---

(continued from last page)

## getModuleToken

```
public abstract java.lang.String getModuleToken(Session session,  
        java.lang.String module)  
throws ModuleTokenNotFoundException,  
        SessionNotFoundException
```

Retrieve the module token of a session

### Parameters:

session - Session  
module - Module to retrieve the token of

### Returns:

Module token

### Throws:

[ModuleTokenNotFoundException](#) - if there is no such module token.  
[SessionNotFoundException](#) - if the session does not exist.

---

## deleteModuleToken

```
public abstract boolean deleteModuleToken(Session session,  
        java.lang.String module)
```

Delete module token from a session

### Parameters:

session - Session  
module - Module

### Returns:

True if the token existed and was deleted, false otherwise

---

## findByModuleToken

```
public abstract Session findByModuleToken(java.lang.String module,  
        java.lang.String token)
```

Get a session given the module token

### Parameters:

module - Module  
token - Module token

### Returns:

Session if found, null otherwise

---

## deleteByModuleToken

```
public abstract boolean deleteByModuleToken(java.lang.String module,  
        java.lang.String token)
```

Delete a session given the module token

### Parameters:

module - Module  
token - Module token

### Returns:

(continued from last page)

True if the session existed, false otherwise

---

## addModuleToken

```
public abstract void addModuleToken(Session session,  
    java.lang.String module,  
    java.lang.String token)  
throws SessionNotFoundException
```

Add a module token to a session If a session has already been created for a certain token, the token will be deleted from it.

### Parameters:

session - Session  
module - Module  
token - Module token

### Throws:

[SessionNotFoundException](#) - if the session does not exist.

## io.reneses.tela.core.sessions

# Class SessionManagerFactory

java.lang.Object

└--io.reneses.tela.core.sessions.SessionManagerFactory

public class **SessionManagerFactory**  
extends java.lang.Object

Factory class responsible of creating the appropriate instance of Abstract Session Manager

## Method Summary

static <a href="#">SessionManager</a>	<a href="#">create()</a>
Create and return an SessionManager	

## Methods inherited from class java.lang.Object

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

## Methods

### create

public static [SessionManager](#) **create()**

Create and return an SessionManager

#### Returns:

Instance of an implementation of SessionManager

## io.reneses.tela.core.sessions Class SessionManagerImpl

java.lang.Object

└-io.reneses.tela.core.sessions.SessionManagerImpl

All Implemented Interfaces:

[SessionManager](#)

class **SessionManagerImpl**  
extends java.lang.Object  
implements [SessionManager](#)

Implementation of a Session Manager

### Constructor Summary

	<a href="#">SessionManagerImpl()</a>
--	--------------------------------------

### Method Summary

void	<a href="#">addModuleToken</a> ( <a href="#">Session</a> session, java.lang.String module, java.lang.String token)
<a href="#">Session</a>	<a href="#">create()</a>
<a href="#">Session</a>	<a href="#">createWithModuleToken</a> (java.lang.String module, java.lang.String moduleToken)
boolean	<a href="#">delete</a> ( <a href="#">Session</a> session)
boolean	<a href="#">deleteByModuleToken</a> (java.lang.String module, java.lang.String token)
boolean	<a href="#">deleteModuleToken</a> ( <a href="#">Session</a> session, java.lang.String module)
boolean	<a href="#">existsByAccessToken</a> (java.lang.String accessToken)
<a href="#">Session</a>	<a href="#">findByAccessToken</a> (java.lang.String accessToken)
<a href="#">Session</a>	<a href="#">findByModuleToken</a> (java.lang.String module, java.lang.String token)
java.lang.String	<a href="#">getModuleToken</a> ( <a href="#">Session</a> session, java.lang.String module)

### Methods inherited from class java.lang.Object

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

### Methods inherited from interface [io.reneses.tela.core.sessions.SessionManager](#)

```
addModuleToken, create, createWithModuleToken, delete, deleteByModuleToken,  
deleteModuleToken, existsByAccessToken, findByAccessToken, findByModuleToken,  
getModuleToken
```

## Constructors

### SessionManagerImpl

```
SessionManagerImpl()
```

## Methods

### create

```
public Session create()
```

### findByAccessToken

```
public Session findByAccessToken(java.lang.String accessToken)  
    throws SessionNotFoundException
```

### createWithModuleToken

```
public Session createWithModuleToken(java.lang.String module,  
    java.lang.String moduleToken)
```

### existsByAccessToken

```
public boolean existsByAccessToken(java.lang.String accessToken)
```

### delete

```
public boolean delete(Session session)
```

### getModuleToken

```
public java.lang.String getModuleToken(Session session,  
    java.lang.String module)  
    throws ModuleTokenNotFoundException,  
        SessionNotFoundException
```

(continued from last page)

## deleteModuleToken

```
public boolean deleteModuleToken(Session session,  
    java.lang.String module)
```

---

## findByModuleToken

```
public Session findByModuleToken(java.lang.String module,  
    java.lang.String token)
```

---

## deleteByModuleToken

```
public boolean deleteByModuleToken(java.lang.String module,  
    java.lang.String token)
```

---

## addModuleToken

```
public void addModuleToken(Session session,  
    java.lang.String module,  
    java.lang.String token)  
    throws SessionNotFoundException
```

---



---

Package

**io.reneses.tela.core.sessions.databases.extensions**

## io.reneses.tela.core.sessions.databases.extensions

### Class SessionOrientDatabaseExtension

java.lang.Object

└- [io.reneses.tela.core.databases.extensions.OrientDatabaseExtension](#)

└-

**io.reneses.tela.core.sessions.databases.extensions.SessionOrientDatabaseExtension**

All Implemented Interfaces:

[DatabaseExtension](#)

public class **SessionOrientDatabaseExtension**

extends [OrientDatabaseExtension](#)

OrientDB extension for the scheduler

#### Field Summary

public static final	<a href="#">SESSION_ACCESS_TOKEN</a> Value: <b>access_token</b>
public static final	<a href="#">SESSION_CLASS</a> Value: <b>Session</b>
public static final	<a href="#">SESSION_HAS_TOKEN</a> Value: <b>HasToken</b>
public static final	<a href="#">SESSION_ID</a> Value: <b>session_id</b>
public static final	<a href="#">TOKEN_CLASS</a> Value: <b>Token</b>
public static final	<a href="#">TOKEN_MODULE</a> Value: <b>module</b>
public static final	<a href="#">TOKEN_TOKEN</a> Value: <b>token</b>

#### Constructor Summary

public	<a href="#">SessionOrientDatabaseExtension</a> ( )
--------	--

#### Method Summary

void	<a href="#">init</a> ( <a href="#">OrientGraphWrapper</a> telaGraph)
------	--

boolean	<a href="#">isInitiated</a> ( <a href="#">OrientGraphWrapper</a> telaGraph)
---------	---

**Methods inherited from class** `java.lang.Object``clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`**Methods inherited from interface** [io.reneses.tela.core.databases.extensions.DatabaseExtension](#)[init](#), [isInitiated](#)

## Fields

### SESSION\_CLASS

`public static final java.lang.String SESSION_CLASS`Constant value: **Session**

### SESSION\_ID

`public static final java.lang.String SESSION_ID`Constant value: **session\_id**

### SESSION\_ACCESS\_TOKEN

`public static final java.lang.String SESSION_ACCESS_TOKEN`Constant value: **access\_token**

### TOKEN\_CLASS

`public static final java.lang.String TOKEN_CLASS`Constant value: **Token**

### TOKEN\_TOKEN

`public static final java.lang.String TOKEN_TOKEN`Constant value: **token**

### TOKEN\_MODULE

`public static final java.lang.String TOKEN_MODULE`Constant value: **module**

(continued from last page)

## SESSION\_HAS\_TOKEN

```
public static final java.lang.String SESSION_HAS_TOKEN
```

Constant value: **HasToken**

## Constructors

### SessionOrientDatabaseExtension

```
public SessionOrientDatabaseExtension()
```

## Methods

### isInitiated

```
public boolean isInitiated(OrientGraphWrapper telaGraph)
```

---

### init

```
public void init(OrientGraphWrapper telaGraph)
```

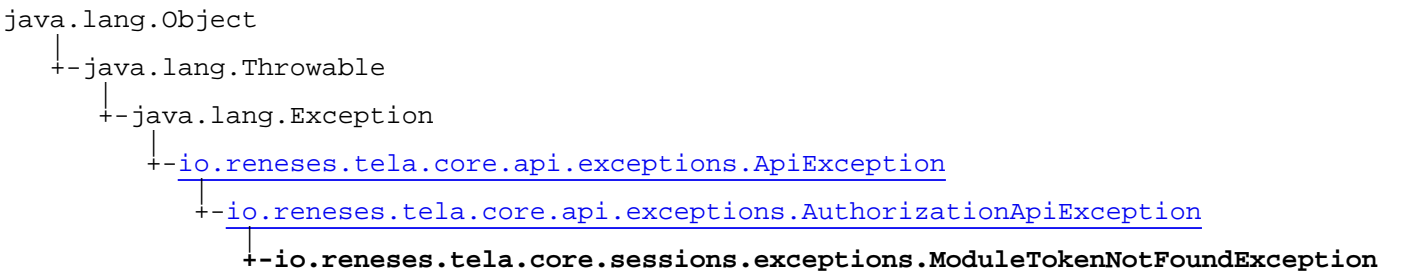
---

**Package**

**io.reneses.tela.core.sessions.exceptions**

# io.reneses.tela.core.sessions.exceptions

## Class ModuleTokenNotFoundException



All Implemented Interfaces:  
java.io.Serializable

public class **ModuleTokenNotFoundException**  
extends [AuthorizationApiException](#)

Exception thrown when a module token is not found

Fields inherited from class java.lang.Exception
serialVersionUID

Constructor Summary	
public	<a href="#">ModuleTokenNotFoundException</a> ( java.lang.String session, java.lang.String module) Constructor for ModuleTokenNotFoundException.
public	<a href="#">ModuleTokenNotFoundException</a> ( java.lang.String message) Constructor for ModuleTokenNotFoundException.

Methods inherited from class <a href="#">io.reneses.tela.core.api.exceptions.ApiException</a>
<a href="#">getStatusCode</a>

Methods inherited from class java.lang.Throwable
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructors

(continued from last page)

## ModuleTokenNotFoundException

```
public ModuleTokenNotFoundException(java.lang.String session,  
                                   java.lang.String module)
```

Constructor for ModuleTokenNotFoundException.

**Parameters:**

session - Session  
module - Module

---

## ModuleTokenNotFoundException

```
public ModuleTokenNotFoundException(java.lang.String message)
```

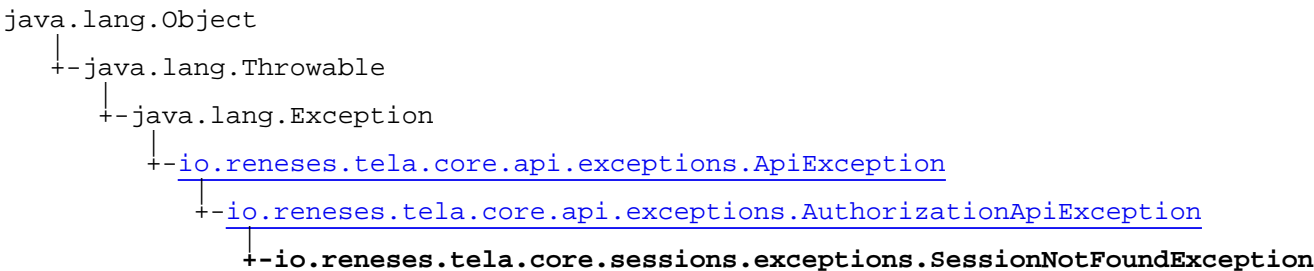
Constructor for ModuleTokenNotFoundException.

**Parameters:**

message - Error message

# io.reneses.tela.core.sessions.exceptions

## Class SessionNotFoundException



All Implemented Interfaces:  
java.io.Serializable

public class **SessionNotFoundException**  
extends [AuthorizationApiException](#)

Exception thrown when a Session is not found

Fields inherited from class java.lang.Exception
serialVersionUID

Constructor Summary	
public	<a href="#">SessionNotFoundException</a> (java.lang.String session) Constructor for SessionNotFoundException.

Methods inherited from class <a href="#">io.reneses.tela.core.api.exceptions.ApiException</a>
<a href="#">getStatusCode</a>

Methods inherited from class java.lang.Throwable
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructors

### SessionNotFoundException

public **SessionNotFoundException**(java.lang.String session)  
  
Constructor for SessionNotFoundException.



(continued from last page)

**Parameters:**

`session` - Session not found

---

**Package**

**io.reneses.tela.core.sessions.models**

## io.reneses.tela.core.sessions.models

### Class Session

java.lang.Object

└-io.reneses.tela.core.sessions.models.Session

public class **Session**  
extends java.lang.Object

Session model

#### Constructor Summary

public	<a href="#">Session()</a> Constructor for Session.
public	<a href="#">Session(java.lang.String id, java.lang.String accessToken)</a> Constructor for Session.
public	<a href="#">Session(java.lang.String id, java.lang.String accessToken, java.util.Map tokens)</a> Constructor for Session.

#### Method Summary

void	<a href="#">addToken(java.lang.String module, java.lang.String token)</a> addModuleToken.
boolean	<a href="#">deleteToken(java.lang.String module)</a> deleteToken.
boolean	<a href="#">equals(java.lang.Object o)</a>
java.lang.String	<a href="#">getAccessToken()</a> Getter for the field accessToken.
java.lang.String	<a href="#">getId()</a> Getter for the field id.
java.lang.String	<a href="#">getToken(java.lang.String module)</a> getToken.
java.util.Map	<a href="#">getTokens()</a> Getter for the field tokens.
int	<a href="#">hashCode()</a>
java.lang.String	<a href="#">toString()</a>

#### Methods inherited from class java.lang.Object

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

## Constructors

### Session

```
public Session()
```

Constructor for Session.

---

### Session

```
public Session(java.lang.String id,  
               java.lang.String accessToken)
```

Constructor for Session.

**Parameters:**

id - a java.lang.String object.  
accessToken - a java.lang.String object.

---

### Session

```
public Session(java.lang.String id,  
               java.lang.String accessToken,  
               java.util.Map tokens)
```

Constructor for Session.

**Parameters:**

id - a java.lang.String object.  
accessToken - a java.lang.String object.  
tokens - a java.util.Map object.

---

## Methods

### getId

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

Getter for the field id.

**Returns:**

a java.lang.String object.

---

### getAccessToken

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

Getter for the field accessToken.

**Returns:**

a java.lang.String object.

---

### addToken

```
public void addToken(java.lang.String module,  
                    java.lang.String token)
```

---

(continued from last page)

addModuleToken.

**Parameters:**

module - a java.lang.String object.

token - a java.lang.String object.

---

## deleteToken

```
public boolean deleteToken(java.lang.String module)
```

deleteToken.

**Parameters:**

module - a java.lang.String object.

**Returns:**

a boolean.

---

## getToken

```
public java.lang.String getToken(java.lang.String module)
```

getToken.

**Parameters:**

module - a java.lang.String object.

**Returns:**

a java.lang.String object.

---

## getTokens

```
public java.util.Map getTokens()
```

Getter for the field tokens.

**Returns:**

a java.util.Map object.

---

## equals

```
public boolean equals(java.lang.Object o)
```

---

## hashCode

```
public int hashCode()
```

---

## toString

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

---

---

**Package**

**io.reneses.tela.core.sessions.repositories**

# io.reneses.tela.core.sessions.repositories

## Interface AbstractSessionManagerRepository

All Known Implementing Classes:

[OrientSessionManagerRepository](#)

public interface **AbstractSessionManagerRepository**  
extends

Repository for Session objects

### Method Summary

abstract boolean	<a href="#">addModuleToken</a> ( <a href="#">Session</a> session, java.lang.String module, java.lang.String token) Add a module token to an existing session
abstract void	<a href="#">create</a> ( <a href="#">Session</a> session) Create a session
abstract boolean	<a href="#">delete</a> ( <a href="#">Session</a> session) Delete a session
abstract boolean	<a href="#">deleteModuleToken</a> ( <a href="#">Session</a> session, java.lang.String token) Delete a module token from one module
abstract boolean	<a href="#">existsByAccessToken</a> (java.lang.String accessToken) Check if a session with the given access token exists or not
abstract <a href="#">Session</a>	<a href="#">findByAccessToken</a> (java.lang.String accessToken) Find a session given its access token
abstract <a href="#">Session</a>	<a href="#">findByModuleToken</a> (java.lang.String module, java.lang.String token) Find a session given one of its module tokens

### Methods

#### create

public abstract void **create**([Session](#) session)

Create a session

##### Parameters:

session - Session

#### delete

public abstract boolean **delete**([Session](#) session)

Delete a session

##### Parameters:

(continued from last page)

session - Session

**Returns:**

Whether the object was or not deleted

---

## findByAccessToken

```
public abstract Session findByAccessToken(java.lang.String accessToken)
```

Find a session given its access token

**Parameters:**

accessToken - Access token of the session

**Returns:**

Session with the given access token, or null if not found

---

## existsByAccessToken

```
public abstract boolean existsByAccessToken(java.lang.String accessToken)
```

Check if a session with the given access token exists or not

**Parameters:**

accessToken - Access token of the session

**Returns:**

Whether the session exists or no

---

## addModuleToken

```
public abstract boolean addModuleToken(Session session,  
    java.lang.String module,  
    java.lang.String token)
```

Add a module token to an existing session

**Parameters:**

session - Session

module - Module

token - Token

**Returns:**

Whether the token was added or no (if the session exists or not)

---

## findByModuleToken

```
public abstract Session findByModuleToken(java.lang.String module,  
    java.lang.String token)
```

Find a session given one of its module tokens

**Parameters:**

module - Module

token - Token

**Returns:**

Session with the module token, or null if not found



## deleteModuleToken

```
public abstract boolean deleteModuleToken(Session session,  
                                             java.lang.String token)
```

Delete a module token from one module

### Parameters:

`session` - Session

`token` - Token to be deleted

### Returns:

Whether it was deleted or not (if it existed)

## io.reneses.tela.core.sessions.repositories

### Class OrientSessionManagerRepository

java.lang.Object

↳ io.reneses.tela.core.sessions.repositories.OrientSessionManagerRepository

All Implemented Interfaces:

[AbstractSessionManagerRepository](#)

public class **OrientSessionManagerRepository**

extends java.lang.Object

implements [AbstractSessionManagerRepository](#)

AbstractSchedulerRepository implementation using OrientDB

#### Constructor Summary

public	<a href="#">OrientSessionManagerRepository()</a> Constructor for OrientSessionManagerRepository.
--------	---

#### Method Summary

boolean	<a href="#">addModuleToken</a> ( <a href="#">Session</a> session, java.lang.String module, java.lang.String token)
void	<a href="#">create</a> ( <a href="#">Session</a> session)
boolean	<a href="#">delete</a> ( <a href="#">Session</a> session)
boolean	<a href="#">deleteModuleToken</a> ( <a href="#">Session</a> session, java.lang.String module)
boolean	<a href="#">existsByAccessToken</a> (java.lang.String accessToken)
<a href="#">Session</a>	<a href="#">findByAccessToken</a> (java.lang.String accessToken)
<a href="#">Session</a>	<a href="#">findByModuleToken</a> (java.lang.String module, java.lang.String token)
<a href="#">Session</a>	<a href="#">mapVertex</a> (com.tinkerpop.blueprints.Vertex sessionVertex)

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface

[io.reneses.tela.core.sessions.repositories.AbstractSessionManagerRepository](#)

[addModuleToken](#), [create](#), [delete](#), [deleteModuleToken](#), [existsByAccessToken](#), [findByAccessToken](#), [findByModuleToken](#)

## Constructors

### OrientSessionManagerRepository

```
public OrientSessionManagerRepository()
```

Constructor for OrientSessionManagerRepository.

## Methods

### mapVertex

```
Session mapVertex(com.tinkerpop.blueprints.Vertex sessionVertex)
```

---

### create

```
public void create(Session session)
```

---

### delete

```
public boolean delete(Session session)
```

---

### findByAccessToken

```
public Session findByAccessToken(java.lang.String accessToken)
```

---

### existsByAccessToken

```
public boolean existsByAccessToken(java.lang.String accessToken)
```

---

### findByModuleToken

```
public Session findByModuleToken(java.lang.String module,  
                                java.lang.String token)
```

---

### deleteModuleToken

```
public boolean deleteModuleToken(Session session,  
                                java.lang.String module)
```

---

(continued from last page)

## **addModuleToken**

```
public boolean addModuleToken(Session session,  
    java.lang.String module,  
    java.lang.String token)
```

---

**Package**

**io.reneses.tela.core.util**

# io.reneses.tela.core.util Interface HttpClient

All Known Implementing Classes:

[JettyHttpClient](#)

public interface **HttpClient**  
extends

Http Client

## Field Summary

public static final	<a href="#">USER_AGENT</a> Constant USER_AGENT="Tela Server" Value: <b>Tela Server</b>
---------------------	--

## Method Summary

abstract java.lang.String	<a href="#">authorizedGetRequest</a> (java.lang.String bearerToken, java.lang.String url, java.lang.String[] params) Execute an authorized GET request
abstract java.lang.String	<a href="#">authorizedPostRequest</a> (java.lang.String bearerToken, java.lang.String url, java.lang.String[] params) Execute an authorized POST request
abstract java.lang.String	<a href="#">getRequest</a> (java.lang.String url, java.lang.String[] params) Execute a GET request
abstract java.lang.String	<a href="#">postRequest</a> (java.lang.String url, java.lang.String[] params) Execute a POST request

## Fields

### USER\_AGENT

public static final java.lang.String **USER\_AGENT**

Constant USER\_AGENT="Tela Server"  
Constant value: **Tela Server**

## Methods

### getRequest

```
public abstract java.lang.String getRequest(java.lang.String url,  
                                             java.lang.String[] params)  
    throws java.lang.Exception
```

Execute a GET request

**Parameters:**

(continued from last page)

url - Url

params - Parameters, in the form: key1, value1, key2, value2, ...

**Returns:**

Request result

**Throws:**

Exception - During the request

---

## authorizedGetRequest

```
public abstract java.lang.String authorizedGetRequest(java.lang.String bearerToken,  
    java.lang.String url,  
    java.lang.String[] params)  
throws java.lang.Exception
```

Execute an authorized GET request

**Parameters:**

bearerToken - Bearer token

url - Url

params - Parameters, in the form: key1, value1, key2, value2, ...

**Returns:**

Request result

**Throws:**

java.lang.Exception - During the request

---

## postRequest

```
public abstract java.lang.String postRequest(java.lang.String url,  
    java.lang.String[] params)  
throws java.lang.Exception
```

Execute a POST request

**Parameters:**

url - Url

params - Parameters, in the form: key1, value1, key2, value2, ...

**Returns:**

Request result

**Throws:**

Exception - During the request

---

## authorizedPostRequest

```
public abstract java.lang.String authorizedPostRequest(java.lang.String bearerToken,  
    java.lang.String url,  
    java.lang.String[] params)  
throws java.lang.Exception
```

Execute an authorized POST request

**Parameters:**

bearerToken - Bearer token

url - Url

params - Parameters, in the form: key1, value1, key2, value2, ...

---

(continued from last page)

**Returns:**

Request result

**Throws:**

`Exception` - During the request



## io.reneses.tela.core.util Class JettyHttpClient

java.lang.Object

└─io.reneses.tela.core.util.JettyHttpClient

All Implemented Interfaces:

[HttpClient](#)

public class **JettyHttpClient**  
extends java.lang.Object  
implements [HttpClient](#)

JettyHttpClient class.

Fields inherited from interface [io.reneses.tela.core.util.HttpClient](#)

[USER\\_AGENT](#)

### Constructor Summary

public [JettyHttpClient\(\)](#)

### Method Summary

java.lang.String [authorizedGetRequest](#)(java.lang.String bearerToken, java.lang.String url, java.lang.String[] params)

java.lang.String [authorizedPostRequest](#)(java.lang.String bearerToken, java.lang.String url, java.lang.String[] params)

java.lang.String [getRequest](#)(java.lang.String url, java.lang.String[] params)

java.lang.String [postRequest](#)(java.lang.String url, java.lang.String[] params)

Methods inherited from class java.lang.Object

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

Methods inherited from interface [io.reneses.tela.core.util.HttpClient](#)

[authorizedGetRequest](#), [authorizedPostRequest](#), [getRequest](#), [postRequest](#)

### Constructors

#### JettyHttpClient

public **JettyHttpClient()**

(continued from last page)

## Methods

### getRequest

```
public java.lang.String getRequest(java.lang.String url,  
    java.lang.String[] params)  
    throws java.lang.InterruptedException,  
        java.util.concurrent.ExecutionException,  
        java.util.concurrent.TimeoutException
```

### authorizedGetRequest

```
public java.lang.String authorizedGetRequest(java.lang.String bearerToken,  
    java.lang.String url,  
    java.lang.String[] params)  
    throws java.lang.InterruptedException,  
        java.util.concurrent.ExecutionException,  
        java.util.concurrent.TimeoutException
```

### postRequest

```
public java.lang.String postRequest(java.lang.String url,  
    java.lang.String[] params)  
    throws java.lang.InterruptedException,  
        java.util.concurrent.ExecutionException,  
        java.util.concurrent.TimeoutException
```

### authorizedPostRequest

```
public java.lang.String authorizedPostRequest(java.lang.String bearerToken,  
    java.lang.String url,  
    java.lang.String[] params)  
    throws java.lang.InterruptedException,  
        java.util.concurrent.ExecutionException,  
        java.util.concurrent.TimeoutException
```

---

**Package**

**io.reneses.tela.modules**

## io.reneses.tela.modules

### Class TelaModule

java.lang.Object

└--io.reneses.tela.modules.TelaModule

#### Direct Known Subclasses:

[TutorialTelaModule](#), [TwitterTelaModule](#), [InstagramTelaModule](#)

public abstract class **TelaModule**  
extends java.lang.Object

Tela Module A module is a registrable component which adds actions to Tela

### Constructor Summary

public	<a href="#">TelaModule</a> (java.lang.String name) Constructor for TelaModule.
--------	---

### Method Summary

java.lang.Iterable	<a href="#">getExtensions</a> () Getter for the field extensions.
java.lang.String	<a href="#">getName</a> () Getter for the field name.
void	<a href="#">setExtensions</a> (java.lang.Iterable extensions) Setter for the field extensions.
void	<a href="#">setName</a> (java.lang.String name) Setter for the field name.

#### Methods inherited from class java.lang.Object

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

### Constructors

#### TelaModule

public **TelaModule**(java.lang.String name)

Constructor for TelaModule.

#### Parameters:

name - Module name

### Methods

(continued from last page)

## getName

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

Getter for the field name.

**Returns:**

a java.lang.String object.

---

## setName

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

Setter for the field name.

**Parameters:**

name - a java.lang.String object.

---

## getExtensions

```
public java.lang.Iterable getExtensions()
```

Getter for the field extensions.

**Returns:**

a java.lang.Iterable object.

---

## setExtensions

```
protected void setExtensions(java.lang.Iterable extensions)
```

Setter for the field extensions.

**Parameters:**

extensions - a java.lang.Iterable object.

---

---

**Package**

**io.reneses.tela.modules.instagram**

## io.reneses.tela.modules.instagram Class InstagramTelaModule

java.lang.Object

└- [io.reneses.tela.modules.TelaModule](#)

└- io.reneses.tela.modules.instagram.InstagramTelaModule

public class **InstagramTelaModule**  
extends [TelaModule](#)

Instagram module

### Field Summary

public static final	<a href="#">NAME</a> Constant NAME="instagram" Value: <b>instagram</b>
---------------------	--

### Constructor Summary

public	<a href="#">InstagramTelaModule()</a> Constructor for InstagramTelaModule.
--------	---

#### Methods inherited from class [io.reneses.tela.modules.TelaModule](#)

[getExtensions](#), [getName](#), [setExtensions](#), [setName](#)

#### Methods inherited from class java.lang.Object

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

## Fields

### NAME

public static final java.lang.String **NAME**

Constant NAME="instagram"  
Constant value: **instagram**

## Constructors

### InstagramTelaModule

public **InstagramTelaModule()**

Constructor for InstagramTelaModule.

---

**Package**

**io.reneses.tela.modules.instagram.action**  
**S**



## io.reneses.tela.modules.instagram.actions

### Class InstagramActions

java.lang.Object

↳ `io.reneses.tela.modules.instagram.actions.InstagramActions`

Direct Known Subclasses:

[MediaActions](#), [UserActions](#)

abstract class **InstagramActions**

extends java.lang.Object

Common functionality for Instagram actions

#### Field Summary

protected	<a href="#">api</a>
-----------	---------------------

#### Constructor Summary

	<a href="#">InstagramActions</a> ( <a href="#">AbstractInstagramApiWrapper</a> api)
--	---

Constructor with DI

public	<a href="#">InstagramActions</a> ()
--------	-------------------------------------

Default constructor, required by the action dispatcher

#### Methods inherited from class java.lang.Object

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

#### Fields

##### api

protected io.reneses.tela.modules.instagram.api.AbstractInstagramApiWrapper **api**

#### Constructors

##### InstagramActions

**InstagramActions**([AbstractInstagramApiWrapper](#) api)

Constructor with DI

##### Parameters:

api - API Wrapper

(continued from last page)

## InstagramActions

```
public InstagramActions()
```

Default constructor, required by the action dispatcher

## io.reneses.tela.modules.instagram.actions

### Class MediaActions

java.lang.Object

└-[io.reneses.tela.modules.instagram.actions.InstagramActions](#)  
 └-[io.reneses.tela.modules.instagram.actions.MediaActions](#)

public class **MediaActions**  
 extends [InstagramActions](#)

Media actions

Fields inherited from class [io.reneses.tela.modules.instagram.actions.InstagramActions](#)

[api](#)

### Constructor Summary

public	<a href="#">MediaActions</a> ( <a href="#">AbstractInstagramApiWrapper</a> api) Constructor with DI
public	<a href="#">MediaActions</a> () Default constructor, required by the action dispatcher

### Method Summary

java.util.List	<a href="#">comments</a> (java.lang.String accessToken, java.lang.String mediaId) Retrieve the comments of a media Required scope: public_content
java.util.List	<a href="#">likes</a> (java.lang.String accessToken, java.lang.String mediaId) Retrieve the likes of a media Required scope: public_content
java.util.List	<a href="#">selfMedia</a> (java.lang.String accessToken) Retrieve all the media of the logged user Required scope: public_content
java.util.List	<a href="#">selfMedia</a> (java.lang.String accessToken, int limit) Retrieve the latest media of the logged user Required scope: public_content

Methods inherited from class java.lang.Object

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

### Constructors

#### MediaActions

public **MediaActions**([AbstractInstagramApiWrapper](#) api)

Constructor with DI

(continued from last page)

**Parameters:**

api - API Wrapper

---

## MediaActions

```
public MediaActions()
```

Default constructor, required by the action dispatcher

## Methods

### selfMedia

```
public java.util.List selfMedia(java.lang.String accessToken,  
                                int limit)  
throws InstagramException
```

Retrieve the latest media of the logged user Required scope: public\_content

**Parameters:**

accessToken - Access token

limit - Maximum number of media to return

**Returns:**

Media of the logged user

**Throws:**[InstagramException](#) - If any exception is thrown

---

### selfMedia

```
public java.util.List selfMedia(java.lang.String accessToken)  
throws InstagramException
```

Retrieve all the media of the logged user Required scope: public\_content

**Parameters:**

accessToken - Access token

**Returns:**

Media of the logged user

**Throws:**[InstagramException](#) - If any exception is thrown

---

### likes

```
public java.util.List likes(java.lang.String accessToken,  
                             java.lang.String mediaId)  
throws InstagramException
```

Retrieve the likes of a media Required scope: public\_content

**Parameters:**

accessToken - Access token

mediaId - Media ID

**Returns:**

Likes of the media

(continued from last page)

**Throws:**[InstagramException](#) - If any exception is thrown

---

**comments**

```
public java.util.List comments(java.lang.String accessToken,  
                                java.lang.String mediaId)  
    throws InstagramException
```

Retrieve the comments of a media Required scope: public\_content

**Parameters:**

accessToken - Access token  
mediaId - Media ID

**Returns:**

Likes of the media

**Throws:**

[InstagramException](#) - If any exception is thrown

## io.reneses.tela.modules.instagram.actions

### Class UserActions

java.lang.Object

```

+--io.reneses.tela.modules.instagram.actions.InstagramActions
    |
    +--io.reneses.tela.modules.instagram.actions.UserActions
  
```

public class **UserActions**  
 extends [InstagramActions](#)

User actions

Fields inherited from class [io.reneses.tela.modules.instagram.actions.InstagramActions](#)

[api](#)

### Constructor Summary

public	<a href="#">UserActions</a> ( <a href="#">AbstractInstagramApiWrapper</a> api)
public	<a href="#">UserActions</a> () Constructor for UserActions (required by the dispatcher)

### Method Summary

java.util.List	<a href="#">counts</a> (java.lang.String accessToken, long userId) Retrieve the counts of a user Required scope: public_content
java.util.List	<a href="#">counts</a> (java.lang.String accessToken, java.lang.String username) Retrieve the counts of a user Required scope: public_content
java.util.List	<a href="#">followers</a> (java.lang.String accessToken) Retrieve the followers of the logged user Required scope: follower_list
java.util.List	<a href="#">followers</a> (java.lang.String accessToken, int limit) Retrieve the followers of the logged user Required scope: follower_list
java.util.List	<a href="#">following</a> (java.lang.String accessToken) Retrieve the users the logged user is following Required scope: follower_list
java.util.List	<a href="#">following</a> (java.lang.String accessToken, int limit) Retrieve the users the logged user is following Required scope: follower_list
java.util.List	<a href="#">friends</a> (java.lang.String accessToken) Retrieve the friends of the logged user (intersections between followers and following) Required scope: follower_list
<a href="#">UserRelationship</a>	<a href="#">relationship</a> (java.lang.String accessToken, long userId) Retrieve the relationship of the logged user with other user Required scope: follower_list
<a href="#">UserRelationship</a>	<a href="#">relationship</a> (java.lang.String accessToken, java.lang.String username) Retrieve the relationship of the logged user with other user Required scope: follower_list

<a href="#">User</a>	<a href="#">search</a> (java.lang.String accessToken, java.lang.String username) Search a user by his username and return its basic information This action is commonly used to obtain the ID of a user Required scope: public_content
<a href="#">User</a>	<a href="#">self</a> (java.lang.String accessToken) Get the information about the logged user
<a href="#">User</a>	<a href="#">user</a> (java.lang.String accessToken, long userId) Obtain the information about a user Required scope: public_content
<a href="#">User</a>	<a href="#">user</a> (java.lang.String accessToken, java.lang.String username) Retrieve the information about a user Required scope: public_content

#### Methods inherited from class java.lang.Object

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

## Constructors

### UserActions

```
public UserActions(AbstractInstagramApiWrapper api)
```

### UserActions

```
public UserActions()
```

Constructor for UserActions (required by the dispatcher)

## Methods

### self

```
public User self(java.lang.String accessToken)
    throws InstagramException
```

Get the information about the logged user

#### Parameters:

accessToken - Access token

#### Returns:

Logged user

#### Throws:

[InstagramException](#) - if any.

### search

```
public User search(java.lang.String accessToken,
    java.lang.String username)
    throws InstagramException
```

(continued from last page)

Search a user by his username and return its basic information This action is commonly used to obtain the ID of a user  
Required scope: public\_content

**Parameters:**

accessToken - Access token  
username - Username

**Returns:**

User

**Throws:**

[InstagramException](#) - if any.

---

**user**

```
public User user(java.lang.String accessToken,  
                  long userId)  
throws InstagramException
```

Obtain the information about a user Required scope: public\_content

**Parameters:**

accessToken - Access token  
userId - User ID

**Returns:**

User

**Throws:**

[InstagramException](#) - if any.

---

**user**

```
public User user(java.lang.String accessToken,  
                  java.lang.String username)  
throws InstagramException
```

Retrieve the information about a user Required scope: public\_content

**Parameters:**

accessToken - Access token  
username - User username

**Returns:**

Username with the given username

**Throws:**

[InstagramException](#) - If any exception is thrown

---

**following**

```
public java.util.List following(java.lang.String accessToken,  
                                 int limit)  
throws InstagramException
```

Retrieve the users the logged user is following Required scope: follower\_list

**Parameters:**

accessToken - Access token  
limit - Maximum number of users to return



(continued from last page)

**Returns:**

Users the logged user is following

**Throws:**[InstagramException](#) - If any exception is thrown

---

## following

```
public java.util.List following(java.lang.String accessToken)
    throws InstagramException
```

Retrieve the users the logged user is following Required scope: follower\_list

**Parameters:**

accessToken - Access token

**Returns:**

All the users the logged user is following

**Throws:**[InstagramException](#) - If any exception is thrown

---

## followers

```
public java.util.List followers(java.lang.String accessToken,
    int limit)
    throws InstagramException
```

Retrieve the followers of the logged user Required scope: follower\_list

**Parameters:**

accessToken - Access token

limit - Maximum number of users to return

**Returns:**

Followers of the logged user

**Throws:**[InstagramException](#) - If any exception is thrown

---

## followers

```
public java.util.List followers(java.lang.String accessToken)
    throws InstagramException
```

Retrieve the followers of the logged user Required scope: follower\_list

**Parameters:**

accessToken - Access token

**Returns:**

All the followers of the logged user

**Throws:**[InstagramException](#) - If any exception is thrown

(continued from last page)

## relationship

```
public UserRelationship relationship(java.lang.String accessToken,  
                                     long userId)  
    throws InstagramException
```

Retrieve the relationship of the logged user with other user Required scope: follower\_list

**Parameters:**

accessToken - Access token  
userId - User ID of the target user

**Returns:**

Relationship between both users

**Throws:**

[InstagramException](#) - If any exception is thrown

---

## relationship

```
public UserRelationship relationship(java.lang.String accessToken,  
                                     java.lang.String username)  
    throws InstagramException
```

Retrieve the relationship of the logged user with other user Required scope: follower\_list

**Parameters:**

accessToken - Access token  
username - Username

**Returns:**

Relationship between both users

**Throws:**

[InstagramException](#) - If any exception is thrown

---

## friends

```
public java.util.List friends(java.lang.String accessToken)  
    throws InstagramException
```

Retrieve the friends of the logged user (intersections between followers and following) Required scope: follower\_list

**Parameters:**

accessToken - Access token

**Returns:**

All the users the logged user is following

**Throws:**

[InstagramException](#) - If any exception is thrown

---

## counts

```
public java.util.List counts(java.lang.String accessToken,  
                              long userId)  
    throws InstagramException
```

Retrieve the counts of a user Required scope: public\_content

(continued from last page)

**Parameters:**

accessToken - Access token  
userId - User ID

**Returns:**

All the users the logged user is following

**Throws:**

[InstagramException](#) - If any exception is thrown

---

**counts**

```
public java.util.List counts(java.lang.String accessToken,  
    java.lang.String username)  
throws InstagramException
```

Retrieve the counts of a user Required scope: public\_content

**Parameters:**

accessToken - Access token  
username - User username

**Returns:**

All the users the logged user is following

**Throws:**

[InstagramException](#) - If any exception is thrown

---

**Package**

**io.reneses.tela.modules.instagram.api**

# io.reneses.tela.modules.instagram.api

## Class AbstractInstagramApiWrapper

java.lang.Object

↳ io.reneses.tela.modules.instagram.api.AbstractInstagramApiWrapper

All Implemented Interfaces:

[InstagramApi](#)

Direct Known Subclasses:

[InstagramApiWrapper](#)

public abstract class **AbstractInstagramApiWrapper**

extends java.lang.Object

implements [InstagramApi](#)

Abstract InstagramApiWrapper, providing common functionality

### Field Summary

protected	<a href="#">accessTokenIdCache</a>
protected	<a href="#">api</a>
protected	<a href="#">commentRepository</a>
protected	<a href="#">history</a>
protected	<a href="#">mediaRepository</a>
protected	<a href="#">usernameIdCache</a>
protected	<a href="#">userRepository</a>

### Constructor Summary

<a href="#">AbstractInstagramApiWrapper</a> ( <a href="#">InstagramApi</a> api, <a href="#">History</a> history)
Constructor with DI

### Method Summary

abstract java.util.List	<a href="#">counts</a> (java.lang.String accessToken, long userId) Retrieve the counts of a user
abstract java.util.List	<a href="#">counts</a> (java.lang.String accessToken, java.lang.String username) Retrieve the counts of a user
abstract java.util.List	<a href="#">friends</a> (java.lang.String accessToken) Retrieve the friends of the logged user (intersections between followers and following)

abstract <a href="#">UserRelationship</a>	<a href="#">relationship</a> (java.lang.String accessToken, java.lang.String username) Retrieve the relationship of the logged user with other user
abstract <a href="#">User</a>	<a href="#">user</a> (java.lang.String accessToken, java.lang.String username) Retrieve the information about a user

#### Methods inherited from class `java.lang.Object`

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

#### Methods inherited from interface [io.reneses.tela.modules.instagram.api.InstagramApi](#)

[comments](#), [followers](#), [followers](#), [following](#), [following](#), [likes](#), [relationship](#), [search](#), [self](#), [selfMedia](#), [selfMedia](#), [user](#)

## Fields

### api

protected `io.reneses.tela.modules.instagram.api.InstagramApi` **api**

### history

protected `io.reneses.tela.core.history.History` **history**

### userRepository

protected `io.reneses.tela.modules.instagram.repositories.UserRepository` **userRepository**

### mediaRepository

protected `io.reneses.tela.modules.instagram.repositories.MediaRepository`  
**mediaRepository**

### commentRepository

protected `io.reneses.tela.modules.instagram.repositories.CommentRepository`  
**commentRepository**

### accessTokenIdCache

protected `io.reneses.tela.modules.instagram.cache.AccessTokenIdCache`  
**accessTokenIdCache**

## usernameIdCache

protected io.reneses.tela.modules.instagram.cache.UsernameIdCache **usernameIdCache**

## Constructors

### AbstractInstagramApiWrapper

**AbstractInstagramApiWrapper**([InstagramApi](#) api,  
[History](#) history)

Constructor with DI

**Parameters:**

api - Instagram API  
history - History

## Methods

### user

public abstract [User](#) **user**(java.lang.String accessToken,  
java.lang.String username)  
throws [InstagramException](#)

Retrieve the information about a user

**Parameters:**

accessToken - Access token  
username - User username

**Returns:**

Username with the given username

**Throws:**

[InstagramException](#) - If any exception is thrown

---

### friends

public abstract java.util.List **friends**(java.lang.String accessToken)  
throws [InstagramException](#)

Retrieve the friends of the logged user (intersections between followers and following)

**Parameters:**

accessToken - Access token

**Returns:**

All the users the logged user is following

**Throws:**

[InstagramException](#) - If any exception is thrown

---

(continued from last page)

## counts

```
public abstract java.util.List counts(java.lang.String accessToken,  
    long userId)  
throws InstagramException
```

Retrieve the counts of a user

**Parameters:**

accessToken - Access token  
userId - User ID

**Returns:**

All the users the logged user is following

**Throws:**

[InstagramException](#) - If any exception is thrown

---

## counts

```
public abstract java.util.List counts(java.lang.String accessToken,  
    java.lang.String username)  
throws InstagramException
```

Retrieve the counts of a user

**Parameters:**

accessToken - Access token  
username - User username

**Returns:**

All the users the logged user is following

**Throws:**

[InstagramException](#) - If any exception is thrown

---

## relationship

```
public abstract UserRelationship relationship(java.lang.String accessToken,  
    java.lang.String username)  
throws InstagramException
```

Retrieve the relationship of the logged user with other user

**Parameters:**

accessToken - Access token  
username - User username of the target user

**Returns:**

Relationship between both users

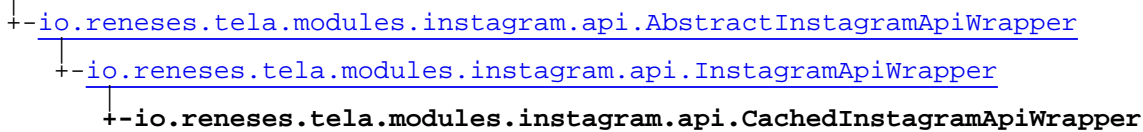
**Throws:**

[InstagramException](#) - If any exception is thrown



## io.reneses.tela.modules.instagram.api Class CachedInstagramApiWrapper

java.lang.Object



All Implemented Interfaces:

[InstagramApi](#)

class **CachedInstagramApiWrapper**

extends [InstagramApiWrapper](#)

Cached version of the API Wrapper

Fields inherited from class [io.reneses.tela.modules.instagram.api.AbstractInstagramApiWrapper](#)

[accessTokenIdCache](#), [api](#), [commentRepository](#), [history](#), [mediaRepository](#), [usernameIdCache](#), [userRepository](#)

### Constructor Summary

[CachedInstagramApiWrapper](#)([InstagramApi](#) api, [History](#) history)  
Constructor with DI

### Method Summary

java.util.List [comments](#)(java.lang.String accessToken, java.lang.String mediaId)

java.util.List [followers](#)(java.lang.String accessToken, int limit)

java.util.List [following](#)(java.lang.String accessToken, int limit)

java.util.List [friends](#)(java.lang.String accessToken)  
Retrieve the friends of the logged user (intersections between followers and following)

java.util.List [likes](#)(java.lang.String accessToken, java.lang.String mediaId)

[UserRelationship](#) [relationship](#)(java.lang.String accessToken, long userId)

[User](#) [search](#)(java.lang.String accessToken, java.lang.String username)

[User](#) [self](#)(java.lang.String accessToken)

java.util.List [selfMedia](#)(java.lang.String accessToken, int limit)

[User](#) [user](#)(java.lang.String accessToken, long userId)

**Methods inherited from class [io.reneses.tela.modules.instagram.api.InstagramApiWrapper](#)**

[comments](#), [counts](#), [counts](#), [followers](#), [followers](#), [following](#), [following](#), [friends](#), [getIdFromAccessToken](#), [likes](#), [relationship](#), [relationship](#), [search](#), [self](#), [selfMedia](#), [selfMedia](#), [user](#), [user](#)

**Methods inherited from class [io.reneses.tela.modules.instagram.api.AbstractInstagramApiWrapper](#)**

[counts](#), [counts](#), [friends](#), [relationship](#), [user](#)

**Methods inherited from class `java.lang.Object`**

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

**Methods inherited from interface [io.reneses.tela.modules.instagram.api.InstagramApi](#)**

[comments](#), [followers](#), [followers](#), [following](#), [following](#), [likes](#), [relationship](#), [search](#), [self](#), [selfMedia](#), [selfMedia](#), [user](#)

## Constructors

### CachedInstagramApiWrapper

**CachedInstagramApiWrapper**([InstagramApi](#) api, [History](#) history)

Constructor with DI

**Parameters:**

api - Instagram API

history - History

## Methods

### self

public [User](#) **self**(java.lang.String accessToken)  
throws [InstagramException](#)

### search

public [User](#) **search**(java.lang.String accessToken,  
java.lang.String username)  
throws [InstagramException](#)

### user

public [User](#) **user**(java.lang.String accessToken,  
long userId)  
throws [InstagramException](#)

(continued from last page)

---

## followers

```
public java.util.List followers(java.lang.String accessToken,
                                int limit)
    throws InstagramException
```

---

## following

```
public java.util.List following(java.lang.String accessToken,
                                int limit)
    throws InstagramException
```

---

## friends

```
public java.util.List friends(java.lang.String accessToken)
    throws InstagramException
```

Retrieve the friends of the logged user (intersections between followers and following)

---

## selfMedia

```
public java.util.List selfMedia(java.lang.String accessToken,
                                int limit)
    throws InstagramException
```

---

## likes

```
public java.util.List likes(java.lang.String accessToken,
                             java.lang.String mediaId)
    throws InstagramException
```

---

## comments

```
public java.util.List comments(java.lang.String accessToken,
                                java.lang.String mediaId)
    throws InstagramException
```

---

## relationship

```
public UserRelationship relationship(java.lang.String accessToken,
                                     long userId)
    throws InstagramException
```

# io.reneses.tela.modules.instagram.api

## Interface InstagramApi

All Known Implementing Classes:

[AbstractInstagramApiWrapper](#), [InstagramApiImpl](#)

### interface **InstagramApi**

extends

Abstract Instagram API communicating with the Instagram platform General documentation:

<https://www.instagram.com/developer/> Create credentials: <https://www.instagram.com/developer/clients/manage/> Auth flow to obtain an access token: <https://www.instagram.com/developer/authentication/>

### Method Summary

abstract java.util.List	<a href="#">comments</a> (java.lang.String accessToken, java.lang.String mediaId) Retrieve the comments of a media Documentation: <a href="https://www.instagram.com/developer/endpoints/comments/">https://www.instagram.com/developer/endpoints/comments/</a> Required scope: public_content
abstract java.util.List	<a href="#">followers</a> (java.lang.String accessToken) Retrieve the followers of the logged user Documentation: <a href="https://www.instagram.com/developer/endpoints/relationships/">https://www.instagram.com/developer/endpoints/relationships/</a> Required scope: follower_list
abstract java.util.List	<a href="#">followers</a> (java.lang.String accessToken, int limit) Retrieve the followers of the logged user Documentation: <a href="https://www.instagram.com/developer/endpoints/relationships/">https://www.instagram.com/developer/endpoints/relationships/</a> Required scope: follower_list
abstract java.util.List	<a href="#">following</a> (java.lang.String accessToken) Retrieve the users the logged user is following Documentation: <a href="https://www.instagram.com/developer/endpoints/relationships/">https://www.instagram.com/developer/endpoints/relationships/</a> Required scope: follower_list
abstract java.util.List	<a href="#">following</a> (java.lang.String accessToken, int limit) Retrieve the users the logged user is following Documentation: <a href="https://www.instagram.com/developer/endpoints/relationships/">https://www.instagram.com/developer/endpoints/relationships/</a> Required scope: follower_list
abstract java.util.List	<a href="#">likes</a> (java.lang.String accessToken, java.lang.String mediaId) Retrieve the likes of a media Documentation: <a href="https://www.instagram.com/developer/endpoints/likes/">https://www.instagram.com/developer/endpoints/likes/</a> Required scope: public_content
abstract <a href="#">UserRelationship</a>	<a href="#">relationship</a> (java.lang.String accessToken, long userId) Retrieve the relationship of the logged user with other user - Outgoing: 'follows', 'requested' or 'none'.
abstract <a href="#">User</a>	<a href="#">search</a> (java.lang.String accessToken, java.lang.String username) Retrieve the basic information of a user given its username Documentation: <a href="https://www.instagram.com/developer/endpoints/users/">https://www.instagram.com/developer/endpoints/users/</a> Required scope: public_content
abstract <a href="#">User</a>	<a href="#">self</a> (java.lang.String accessToken) Retrieve the basic information about the logged user Documentation: <a href="https://www.instagram.com/developer/endpoints/users/">https://www.instagram.com/developer/endpoints/users/</a>

abstract java.util.List	<a href="#">selfMedia</a> (java.lang.String accessToken) Retrieve the latest media of the logged user Documentation: <a href="https://www.instagram.com/developer/endpoints/media/">https://www.instagram.com/developer/endpoints/media/</a> Required scope: public_content
abstract java.util.List	<a href="#">selfMedia</a> (java.lang.String accessToken, int limit) Retrieve the latest media of the logged user Documentation: <a href="https://www.instagram.com/developer/endpoints/media/">https://www.instagram.com/developer/endpoints/media/</a> Required scope: public_content
abstract <a href="#">User</a>	<a href="#">user</a> (java.lang.String accessToken, long userId) Retrieve the information about a user Documentation: <a href="https://www.instagram.com/developer/endpoints/users/">https://www.instagram.com/developer/endpoints/users/</a> Required scope: public_content

## Methods

### self

```
public abstract User self(java.lang.String accessToken)
    throws InstagramException
```

Retrieve the basic information about the logged user Documentation:  
<https://www.instagram.com/developer/endpoints/users/>

**Parameters:**

accessToken - Access token

**Returns:**

Logged user

**Throws:**

[InstagramException](#) - If any exception is thrown

### search

```
public abstract User search(java.lang.String accessToken,
    java.lang.String username)
    throws InstagramException
```

Retrieve the basic information of a user given its username Documentation:  
<https://www.instagram.com/developer/endpoints/users/> Required scope: public\_content

**Parameters:**

accessToken - Access token

username - a java.lang.String object.

**Returns:**

Username with the given username

**Throws:**

[InstagramException](#) - If the user is not found

### user

```
public abstract User user(java.lang.String accessToken,
    long userId)
    throws InstagramException
```

Retrieve the information about a user Documentation: <https://www.instagram.com/developer/endpoints/users/> Required scope: public\_content

(continued from last page)

**Parameters:**

accessToken - Access token  
userId - User ID

**Returns:**

Username with the given username

**Throws:**

[InstagramException](#) - If any exception is thrown

---

## followers

```
public abstract java.util.List followers(java.lang.String accessToken,  
int limit)  
throws InstagramException
```

Retrieve the followers of the logged user Documentation: <https://www.instagram.com/developer/endpoints/relationships/>  
Required scope: follower\_list

**Parameters:**

accessToken - Access token  
limit - Maximum number of users to return

**Returns:**

Followers of the logged user

**Throws:**

[InstagramException](#) - If any exception is thrown

---

## followers

```
public abstract java.util.List followers(java.lang.String accessToken)  
throws InstagramException
```

Retrieve the followers of the logged user Documentation: <https://www.instagram.com/developer/endpoints/relationships/>  
Required scope: follower\_list

**Parameters:**

accessToken - Access token

**Returns:**

All the followers of the logged user

**Throws:**

[InstagramException](#) - If any exception is thrown

---

## following

```
public abstract java.util.List following(java.lang.String accessToken,  
int limit)  
throws InstagramException
```

Retrieve the users the logged user is following Documentation:  
<https://www.instagram.com/developer/endpoints/relationships/> Required scope: follower\_list

**Parameters:**

accessToken - Access token  
limit - Maximum number of users to return

---

(continued from last page)

**Returns:**

Users the logged user is following

**Throws:**[InstagramException](#) - If any exception is thrown

---

## following

```
public abstract java.util.List following(java.lang.String accessToken)
    throws InstagramException
```

Retrieve the users the logged user is following Documentation:

<https://www.instagram.com/developer/endpoints/relationships/> Required scope: follower\_list**Parameters:**

accessToken - Access token

**Returns:**

All the users the logged user is following

**Throws:**[InstagramException](#) - If any exception is thrown

---

## relationship

```
public abstract UserRelationship relationship(java.lang.String accessToken,
    long userId)
    throws InstagramException
```

Retrieve the relationship of the logged user with other user - Outgoing: 'follows', 'requested' or 'none'. - Incoming: 'followed\_by', 'requested\_by', 'blocked\_by\_you' or 'none'. Documentation:

<https://www.instagram.com/developer/endpoints/relationships/> Required scope: follower\_list**Parameters:**

accessToken - Access token

userId - User ID of the target user

**Returns:**

Relationship between both users

**Throws:**[InstagramException](#) - If any exception is thrown

---

## selfMedia

```
public abstract java.util.List selfMedia(java.lang.String accessToken,
    int limit)
    throws InstagramException
```

Retrieve the latest media of the logged user Documentation: <https://www.instagram.com/developer/endpoints/media/> Required scope: public\_content**Parameters:**

accessToken - Access token

limit - Maximum number of media to return

**Returns:**

Media of the logged user

**Throws:**

(continued from last page)

[InstagramException](#) - If any exception is thrown

---

## selfMedia

```
public abstract java.util.List selfMedia(java.lang.String accessToken)
    throws InstagramException
```

Retrieve the latest media of the logged user Documentation: <https://www.instagram.com/developer/endpoints/media/>  
Required scope: public\_content

**Parameters:**

accessToken - Access token

**Returns:**

All the media of the logged user

**Throws:**

[InstagramException](#) - If any exception is thrown

---

## likes

```
public abstract java.util.List likes(java.lang.String accessToken,
    java.lang.String mediaId)
    throws InstagramException
```

Retrieve the likes of a media Documentation: <https://www.instagram.com/developer/endpoints/likes/> Required scope: public\_content

**Parameters:**

accessToken - Access token

mediaId - Media ID

**Returns:**

Likes of the media

**Throws:**

[InstagramException](#) - If any exception is thrown

---

## comments

```
public abstract java.util.List comments(java.lang.String accessToken,
    java.lang.String mediaId)
    throws InstagramException
```

Retrieve the comments of a media Documentation: <https://www.instagram.com/developer/endpoints/comments/> Required scope: public\_content

**Parameters:**

accessToken - Access token

mediaId - Media ID

**Returns:**

Likes of the media

**Throws:**

[InstagramException](#) - If any exception is thrown

---



## io.reneses.tela.modules.instagram.api

### Class InstagramApiImpl

java.lang.Object

↳ `io.reneses.tela.modules.instagram.api.InstagramApiImpl`

All Implemented Interfaces:

[InstagramApi](#)

class **InstagramApiImpl**

extends java.lang.Object

implements [InstagramApi](#)

Implementation of the InstagramAPI

#### Constructor Summary

	<a href="#">InstagramApiImpl</a> ()
	<a href="#">InstagramApiImpl</a> ( <a href="#">HttpClient</a> httpClient)

#### Method Summary

java.util.List	<a href="#">comments</a> (java.lang.String accessToken, java.lang.String mediaId)
java.util.List	<a href="#">followers</a> (java.lang.String accessToken)
java.util.List	<a href="#">followers</a> (java.lang.String accessToken, int limit)
java.util.List	<a href="#">following</a> (java.lang.String accessToken)
java.util.List	<a href="#">following</a> (java.lang.String accessToken, int limit)
java.util.List	<a href="#">likes</a> (java.lang.String accessToken, java.lang.String mediaId)
<a href="#">UserRelationship</a>	<a href="#">relationship</a> (java.lang.String accessToken, long userId)
<a href="#">User</a>	<a href="#">search</a> (java.lang.String accessToken, java.lang.String username)
<a href="#">User</a>	<a href="#">self</a> (java.lang.String accessToken)
java.util.List	<a href="#">selfMedia</a> (java.lang.String accessToken)
java.util.List	<a href="#">selfMedia</a> (java.lang.String accessToken, int limit)
<a href="#">User</a>	<a href="#">user</a> (java.lang.String accessToken, long userId)

Methods inherited from class java.lang.Object

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

Methods inherited from interface [io.reneses.tela.modules.instagram.api.InstagramApi](#)

[comments](#), [followers](#), [followers](#), [following](#), [following](#), [likes](#), [relationship](#), [search](#), [self](#), [selfMedia](#), [selfMedia](#), [user](#)

## Constructors

### InstagramApiImpl

`InstagramApiImpl()`

### InstagramApiImpl

`InstagramApiImpl(HttpClient httpClient)`

## Methods

### self

public [User](#) **self**(java.lang.String accessToken)  
throws [InstagramException](#)

### search

public [User](#) **search**(java.lang.String accessToken,  
java.lang.String username)  
throws [InstagramException](#)

### user

public [User](#) **user**(java.lang.String accessToken,  
long userId)  
throws [InstagramException](#)

### followers

public java.util.List **followers**(java.lang.String accessToken,  
int limit)  
throws [InstagramException](#)

(continued from last page)

---

## followers

```
public java.util.List followers(java.lang.String accessToken)
    throws InstagramException
```

---

## following

```
public java.util.List following(java.lang.String accessToken,
    int limit)
    throws InstagramException
```

---

## following

```
public java.util.List following(java.lang.String accessToken)
    throws InstagramException
```

---

## relationship

```
public UserRelationship relationship(java.lang.String accessToken,
    long userId)
    throws InstagramException
```

---

## selfMedia

```
public java.util.List selfMedia(java.lang.String accessToken,
    int limit)
    throws InstagramException
```

---

## selfMedia

```
public java.util.List selfMedia(java.lang.String accessToken)
    throws InstagramException
```

---

## likes

```
public java.util.List likes(java.lang.String accessToken,
    java.lang.String mediaId)
    throws InstagramException
```

---

## comments

```
public java.util.List comments(java.lang.String accessToken,
    java.lang.String mediaId)
    throws InstagramException
```

## io.reneses.tela.modules.instagram.api

### Class InstagramApiWrapper

java.lang.Object

└-[io.reneses.tela.modules.instagram.api.AbstractInstagramApiWrapper](#)  
 └-[io.reneses.tela.modules.instagram.api.InstagramApiWrapper](#)

All Implemented Interfaces:

[InstagramApi](#)

Direct Known Subclasses:

[CachedInstagramApiWrapper](#)

class **InstagramApiWrapper**

extends [AbstractInstagramApiWrapper](#)

Instagram API Wrapper

Fields inherited from class [io.reneses.tela.modules.instagram.api.AbstractInstagramApiWrapper](#)

[accessTokenIdCache](#), [api](#), [commentRepository](#), [history](#), [mediaRepository](#), [usernameIdCache](#), [userRepository](#)

## Constructor Summary

[InstagramApiWrapper](#)([InstagramApi](#) api, [History](#) history)  
 Constructor with DI

## Method Summary

java.util.List [comments](#)(java.lang.String accessToken, java.lang.String mediaId)

java.util.List [counts](#)(java.lang.String accessToken, long userId)

Retrieve the counts of a user

java.util.List [counts](#)(java.lang.String accessToken, java.lang.String username)

Retrieve the counts of a user

java.util.List [followers](#)(java.lang.String accessToken)

java.util.List [followers](#)(java.lang.String accessToken, int limit)

java.util.List [following](#)(java.lang.String accessToken)

java.util.List [following](#)(java.lang.String accessToken, int limit)

java.util.List [friends](#)(java.lang.String accessToken)

Retrieve the friends of the logged user (intersections between followers and following)

java.lang.Long [getIdFromAccessToken](#)(java.lang.String accessToken)

java.util.List	<a href="#">likes</a> (java.lang.String accessToken, java.lang.String mediaId)
<a href="#">UserRelationship</a>	<a href="#">relationship</a> (java.lang.String accessToken, long userId)
<a href="#">UserRelationship</a>	<a href="#">relationship</a> (java.lang.String accessToken, java.lang.String username) Retrieve the relationship of the logged user with other user
<a href="#">User</a>	<a href="#">search</a> (java.lang.String accessToken, java.lang.String username)
<a href="#">User</a>	<a href="#">self</a> (java.lang.String accessToken)
java.util.List	<a href="#">selfMedia</a> (java.lang.String accessToken)
java.util.List	<a href="#">selfMedia</a> (java.lang.String accessToken, int limit)
<a href="#">User</a>	<a href="#">user</a> (java.lang.String accessToken, long userId)
<a href="#">User</a>	<a href="#">user</a> (java.lang.String accessToken, java.lang.String username) Retrieve the information about a user

Methods inherited from class [io.reneses.tela.modules.instagram.api.AbstractInstagramApiWrapper](#)

[counts](#), [counts](#), [friends](#), [relationship](#), [user](#)

Methods inherited from class java.lang.Object

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

Methods inherited from interface [io.reneses.tela.modules.instagram.api.InstagramApi](#)

[comments](#), [followers](#), [followers](#), [following](#), [following](#), [likes](#), [relationship](#), [search](#), [self](#), [selfMedia](#), [selfMedia](#), [user](#)

## Constructors

### InstagramApiWrapper

```
InstagramApiWrapper(InstagramApi api,
                    History history)
```

Constructor with DI

#### Parameters:

api - Instagram API  
history - History

## Methods

### getIdFromAccessToken

```
java.lang.Long getIdFromAccessToken(java.lang.String accessToken)
throws InstagramException
```

(continued from last page)

---

## self

```
public User self(java.lang.String accessToken)
    throws InstagramException
```

---

## search

```
public User search(java.lang.String accessToken,
    java.lang.String username)
    throws InstagramException
```

---

## user

```
public User user(java.lang.String accessToken,
    long userId)
    throws InstagramException
```

---

## user

```
public User user(java.lang.String accessToken,
    java.lang.String username)
    throws InstagramException
```

Retrieve the information about a user

---

## followers

```
public java.util.List followers(java.lang.String accessToken,
    int limit)
    throws InstagramException
```

---

## followers

```
public java.util.List followers(java.lang.String accessToken)
    throws InstagramException
```

---

## following

```
public java.util.List following(java.lang.String accessToken,
    int limit)
    throws InstagramException
```

---

(continued from last page)

---

## following

```
public java.util.List following(java.lang.String accessToken)
    throws InstagramException
```

---

## friends

```
public java.util.List friends(java.lang.String accessToken)
    throws InstagramException
```

Retrieve the friends of the logged user (intersections between followers and following)

---

## counts

```
public java.util.List counts(java.lang.String accessToken,
    long userId)
    throws InstagramException
```

Retrieve the counts of a user

---

## counts

```
public java.util.List counts(java.lang.String accessToken,
    java.lang.String username)
    throws InstagramException
```

Retrieve the counts of a user

---

## relationship

```
public UserRelationship relationship(java.lang.String accessToken,
    long userId)
    throws InstagramException
```

---

## relationship

```
public UserRelationship relationship(java.lang.String accessToken,
    java.lang.String username)
    throws InstagramException
```

Retrieve the relationship of the logged user with other user

---

## selfMedia

```
public java.util.List selfMedia(java.lang.String accessToken,
    int limit)
    throws InstagramException
```

---

## selfMedia

```
public java.util.List selfMedia(java.lang.String accessToken)
    throws InstagramException
```

---

## likes

```
public java.util.List likes(java.lang.String accessToken,  
    java.lang.String mediaId)  
    throws InstagramException
```

---

## comments

```
public java.util.List comments(java.lang.String accessToken,  
    java.lang.String mediaId)  
    throws InstagramException
```



## io.reneses.tela.modules.instagram.api Class InstagramApiWrapperFactory

java.lang.Object

└--io.reneses.tela.modules.instagram.api.InstagramApiWrapperFactory

public class **InstagramApiWrapperFactory**  
extends java.lang.Object

Factory in charge of creating a Instagram API Wrapper

### Constructor Summary

public	<a href="#">InstagramApiWrapperFactory()</a>
--------	--

### Method Summary

static <a href="#">AbstractInstagramApiWrapper</a>	<a href="#">create()</a> Get an instance of an Instagram API Wrapper with the default configuration regarding caching
static <a href="#">AbstractInstagramApiWrapper</a>	<a href="#">create(boolean cached)</a> Get an instance of an Instagram API Wrapper

### Methods inherited from class java.lang.Object

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

## Constructors

### InstagramApiWrapperFactory

public **InstagramApiWrapperFactory()**

## Methods

### create

public static [AbstractInstagramApiWrapper](#) **create**(boolean cached)

Get an instance of an Instagram API Wrapper

#### Parameters:

cached - If a cached-enable instance should be created or not

#### Returns:

Instagram API Wrapper

## create

```
public static AbstractInstagramApiWrapper create()
```

Get an instance of an Instagram API Wrapper with the default configuration regarding caching

**Returns:**

Instagram API Wrapper

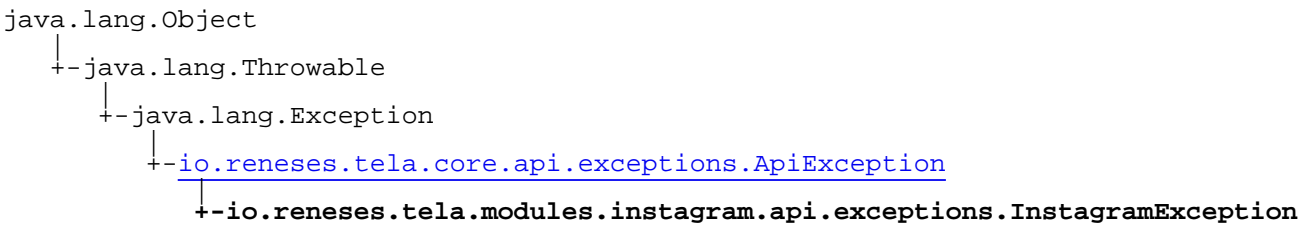
---

Package

**io.reneses.tela.modules.instagram.api.exceptions**

# io.reneses.tela.modules.instagram.api.exceptions

## Class InstagramException



All Implemented Interfaces:  
java.io.Serializable

Direct Known Subclasses:  
[InvalidAccessTokenException](#), [PrivateUserException](#), [UserNotExistsException](#)

public class **InstagramException**  
extends [ApiException](#)

Generic Instagram Exception

Fields inherited from class java.lang.Exception	
serialVersionUID	

Constructor Summary	
public	<a href="#">InstagramException()</a> Constructor for InstagramException.
public	<a href="#">InstagramException</a> (java.lang.String message, int code) Constructor for InstagramException.

Methods inherited from class <a href="#">io.reneses.tela.core.api.exceptions.ApiException</a>	
<a href="#">getStatusCode</a>	

Methods inherited from class java.lang.Throwable	
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString	

Methods inherited from class java.lang.Object	
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait	

## Constructors

(continued from last page)

## InstagramException

```
public InstagramException()
```

Constructor for InstagramException.

---

## InstagramException

```
public InstagramException(java.lang.String message,  
                           int code)
```

Constructor for InstagramException.

### Parameters:

message - a java.lang.String object.

code - a int.

## io.reneses.tela.modules.instagram.api.exceptions

### Class InvalidAccessTokenException

```

java.lang.Object
  |-- java.lang.Throwable
    |-- java.lang.Exception
      |-- io.reneses.tela.core.api.exceptions.ApiException
        |-- io.reneses.tela.modules.instagram.api.exceptions.InstagramException
          |--
            io.reneses.tela.modules.instagram.api.exceptions.InvalidAccessTokenException
  
```

#### All Implemented Interfaces:

java.io.Serializable

public class **InvalidAccessTokenException**  
 extends [InstagramException](#)

The provided access token is not valid

#### Fields inherited from class java.lang.Exception

serialVersionUID

### Constructor Summary

public	<a href="#">InvalidAccessTokenException</a> () Constructor for InvalidAccessTokenException.
public	<a href="#">InvalidAccessTokenException</a> (java.lang.String info) Constructor for InvalidAccessTokenException.

#### Methods inherited from class [io.reneses.tela.core.api.exceptions.ApiException](#)

[getStatusCode](#)

#### Methods inherited from class java.lang.Throwable

addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

#### Methods inherited from class java.lang.Object

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

### Constructors

(continued from last page)

## InvalidAccessTokenException

```
public InvalidAccessTokenException()
```

Constructor for InvalidAccessTokenException.

---

## InvalidAccessTokenException

```
public InvalidAccessTokenException(java.lang.String info)
```

Constructor for InvalidAccessTokenException.

### Parameters:

`info` - a `java.lang.String` object.

## io.reneses.tela.modules.instagram.api.exceptions

### Class PrivateUserException

```

java.lang.Object
├── java.lang.Throwable
│   ├── java.lang.Exception
│       ├── io.reneses.tela.core.api.exceptions.ApiException
│           ├── io.reneses.tela.modules.instagram.api.exceptions.InstagramException
│               └── io.reneses.tela.modules.instagram.api.exceptions.PrivateUserException

```

#### All Implemented Interfaces:

java.io.Serializable

public class **PrivateUserException**  
 extends [InstagramException](#)

The requested user is private

#### Fields inherited from class java.lang.Exception

serialVersionUID

### Constructor Summary

public	<a href="#">PrivateUserException</a> (java.lang.String user) Constructor for PrivateUserException.
--------	---

### Method Summary

java.lang.String	<a href="#">getUser</a> () Getter for the field user.
------------------	--

#### Methods inherited from class [io.reneses.tela.core.api.exceptions.ApiException](#)

[getStatusCode](#)

#### Methods inherited from class java.lang.Throwable

addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

#### Methods inherited from class java.lang.Object

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

### Constructors



(continued from last page)

## PrivateUserException

```
public PrivateUserException( java.lang.String user )
```

Constructor for PrivateUserException.

### Parameters:

user - a java.lang.String object.

## Methods

### getUser

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

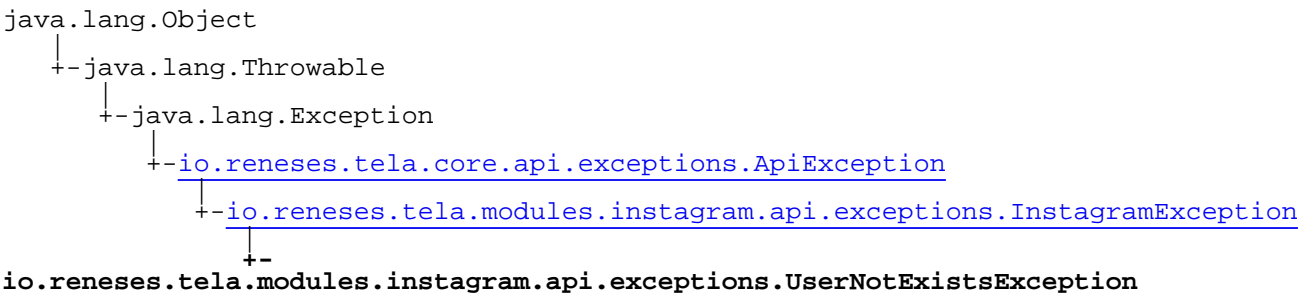
Getter for the field user.

### Returns:

a java.lang.String object.

# io.reneses.tela.modules.instagram.api.exceptions

## Class UserNotExistsException



All Implemented Interfaces:  
java.io.Serializable

```
public class UserNotExistsException
extends InstagramException
```

The requested user does not exist

Fields inherited from class java.lang.Exception
serialVersionUID

Constructor Summary	
public	<a href="#">UserNotExistsException</a> (java.lang.String user) Constructor for UserNotExistsException.

Method Summary	
java.lang.String	<a href="#">getUser</a> () Getter for the field user.

Methods inherited from class <a href="#">io.reneses.tela.core.api.exceptions.ApiException</a>
<a href="#">getStatusCode</a>

Methods inherited from class java.lang.Throwable
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructors

(continued from last page)

## UserNotExistsException

```
public UserNotExistsException(java.lang.String user)
```

Constructor for UserNotExistsException.

### Parameters:

user - a java.lang.String object.

## Methods

### getUser

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

Getter for the field user.

### Returns:

a java.lang.String object.

---

**Package**

**io.reneses.tela.modules.instagram.api.models**

## io.reneses.tela.modules.instagram.api.models

### Class Meta

java.lang.Object

└-io.reneses.tela.modules.instagram.api.models.Meta

public class **Meta**  
extends java.lang.Object

Meta class.

#### Constructor Summary

public	<a href="#">Meta()</a>
--------	------------------------

#### Method Summary

int	<a href="#">getCode()</a> Getter for the field code.
java.lang.String	<a href="#">getErrorMessage()</a> Getter for the field errorMessage.
java.lang.String	<a href="#">getErrorType()</a> Getter for the field errorType.
boolean	<a href="#">isAccessTokenException()</a> isAccessTokenException.
boolean	<a href="#">isError()</a> isError.
boolean	<a href="#">isInvalidAccessToken()</a> isInvalidAccessToken.
boolean	<a href="#">isNotExistingResource()</a> isNotExistingResource.
boolean	<a href="#">isRestrictedResource()</a> isRestrictedResource.
void	<a href="#">setCode(int code)</a> Setter for the field code.
void	<a href="#">setErrorMessage(java.lang.String errorMessage)</a> Setter for the field errorMessage.
void	<a href="#">setErrorType(java.lang.String errorType)</a> Setter for the field errorType.

#### Methods inherited from class java.lang.Object

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

## Constructors

### Meta

```
public Meta()
```

## Methods

### getErrorType

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

Getter for the field `errorType`.

**Returns:**

a `java.lang.String` object.

---

### setErrorType

```
public void setErrorType(java.lang.String errorType)
```

Setter for the field `errorType`.

**Parameters:**

`errorType` - a `java.lang.String` object.

---

### getCode

```
public int getCode()
```

Getter for the field `code`.

**Returns:**

a `int`.

---

### setCode

```
public void setCode(int code)
```

Setter for the field `code`.

**Parameters:**

`code` - a `int`.

---

### getErrorMessage

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

Getter for the field `errorMessage`.

**Returns:**

a `java.lang.String` object.

## setErrorMessagE

```
public void setErrorMessagE(java.lang.String errorMessage)
```

Setter for the field errorMessage.

### Parameters:

errorMessage - a java.lang.String object.

---

## isError

```
public boolean isError()
```

isError.

### Returns:

a boolean.

---

## isRestrictedResource

```
public boolean isRestrictedResource()
```

isRestrictedResource.

### Returns:

a boolean.

---

## isNotExistingResource

```
public boolean isNotExistingResource()
```

isNotExistingResource.

### Returns:

a boolean.

---

## isAccessTokenException

```
public boolean isAccessTokenException()
```

isAccessTokenException.

### Returns:

a boolean.

---

## isInvalidAccessToken

```
public boolean isInvalidAccessToken()
```

isInvalidAccessToken.

### Returns:

a boolean.

---

# io.reneses.tela.modules.instagram.api.models

## Class Pagination

java.lang.Object

└--io.reneses.tela.modules.instagram.api.models.Pagination

public class **Pagination**  
extends java.lang.Object

Pagination class.

### Constructor Summary

public	<a href="#">Pagination()</a>
--------	------------------------------

### Method Summary

java.lang.String	<a href="#">getNextCursor()</a> Getter for the field nextCursor.
java.lang.String	<a href="#">getNextMaxId()</a>
java.lang.String	<a href="#">getNextUrl()</a> Getter for the field nextUrl.
boolean	<a href="#">hasNext()</a> hasNext.
void	<a href="#">setNextCursor()</a> (java.lang.String nextCursor) Setter for the field nextCursor.
void	<a href="#">setNextMaxId()</a> (java.lang.String nextMaxId)
void	<a href="#">setNextUrl()</a> (java.lang.String nextUrl) Setter for the field nextUrl.
java.lang.String	<a href="#">toString()</a>

### Methods inherited from class java.lang.Object

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

### Constructors

#### Pagination

public **Pagination()**



## Methods

### getNextUrl

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

Getter for the field `nextUrl`.

**Returns:**

a `java.lang.String` object.

---

### setNextUrl

```
public void setNextUrl(java.lang.String nextUrl)
```

Setter for the field `nextUrl`.

**Parameters:**

`nextUrl` - a `java.lang.String` object.

---

### getNextCursor

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

Getter for the field `nextCursor`.

**Returns:**

a `java.lang.String` object.

---

### setNextCursor

```
public void setNextCursor(java.lang.String nextCursor)
```

Setter for the field `nextCursor`.

**Parameters:**

`nextCursor` - a `java.lang.String` object.

---

### getNextMaxId

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

---

### setNextMaxId

```
public void setNextMaxId(java.lang.String nextMaxId)
```

---

### hasNext

```
public boolean hasNext()
```

`hasNext`.

**Returns:**

(continued from last page)

a boolean.

---

## **toString**

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

---

**Package**

**io.reneses.tela.modules.instagram.api.responses**

# io.reneses.tela.modules.instagram.api.responses

## Class CommentsResponse

java.lang.Object

└-[io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse](#)  
└-io.reneses.tela.modules.instagram.api.responses.CommentsResponse

public class **CommentsResponse**  
extends [EnvelopeResponse](#)

LikesResponse class.

### Constructor Summary

public	<a href="#">CommentsResponse</a> () Constructor for LikesResponse.
--------	---

### Method Summary

java.util.List	<a href="#">getComments</a> () Getter for the field likes.
<a href="#">Pagination</a>	<a href="#">getPagination</a> () Getter for the field pagination.
void	<a href="#">setComments</a> (java.util.List comments) Setter for the field likes.
void	<a href="#">setPagination</a> ( <a href="#">Pagination</a> pagination) Setter for the field pagination.

Methods inherited from class [io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse](#)

[getMeta](#), [setMeta](#)

Methods inherited from class java.lang.Object

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

### Constructors

#### CommentsResponse

public **CommentsResponse**()

Constructor for LikesResponse.

### Methods

(continued from last page)

## getComments

```
public java.util.List getComments()
```

Getter for the field likes.

**Returns:**

a `java.util.List` object.

---

## setComments

```
public void setComments(java.util.List comments)
```

Setter for the field likes.

**Parameters:**

`comments` - a `java.util.List` object.

---

## getPagination

```
public Pagination getPagination()
```

Getter for the field pagination.

**Returns:**

a [Pagination](#) object.

---

## setPagination

```
public void setPagination(Pagination pagination)
```

Setter for the field pagination.

**Parameters:**

`pagination` - a [Pagination](#) object.

---

# io.reneses.tela.modules.instagram.api.responses

## Class EnvelopeResponse

java.lang.Object

└io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse

Direct Known Subclasses:

[CommentsResponse](#), [LikesResponse](#), [MediaResponse](#), [RelationshipResponse](#), [SearchResponse](#), [UserRelationshipResponse](#), [UserResponse](#)

public abstract class **EnvelopeResponse**  
extends java.lang.Object

Abstract EnvelopeResponse class.

### Constructor Summary

public	<a href="#">EnvelopeResponse</a> ()
--------	-------------------------------------

### Method Summary

<a href="#">Meta</a>	<a href="#">getMeta</a> () Getter for the field meta.
void	<a href="#">setMeta</a> ( <a href="#">Meta</a> meta) Setter for the field meta.

### Methods inherited from class java.lang.Object

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

## Constructors

### EnvelopeResponse

public **EnvelopeResponse**()

## Methods

### getMeta

public [Meta](#) **getMeta**()

Getter for the field meta.

**Returns:**

a [Meta](#) object.

## setMeta

```
public void setMeta(Meta meta)
```

Setter for the field meta.

### Parameters:

meta - a [Meta](#) object.

## io.reneses.tela.modules.instagram.api.responses

### Class LikesResponse

java.lang.Object

```

  |
+-io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse
  |
+-io.reneses.tela.modules.instagram.api.responses.LikesResponse

```

public class **LikesResponse**  
 extends [EnvelopeResponse](#)

LikesResponse class.

#### Constructor Summary

public	<a href="#">LikesResponse()</a> Constructor for LikesResponse.
--------	---

#### Method Summary

java.util.List	<a href="#">getLikes()</a> Getter for the field likes.
<a href="#">Pagination</a>	<a href="#">getPagination()</a> Getter for the field pagination.
void	<a href="#">setLikes</a> (java.util.List likes) Setter for the field likes.
void	<a href="#">setPagination</a> ( <a href="#">Pagination</a> pagination) Setter for the field pagination.

Methods inherited from class [io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse](#)

[getMeta](#), [setMeta](#)

Methods inherited from class java.lang.Object

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

#### Constructors

##### LikesResponse

public **LikesResponse()**

Constructor for LikesResponse.

#### Methods



(continued from last page)

## getLikes

```
public java.util.List getLikes()
```

Getter for the field likes.

**Returns:**

a `java.util.List` object.

---

## setLikes

```
public void setLikes(java.util.List likes)
```

Setter for the field likes.

**Parameters:**

likes - a `java.util.List` object.

---

## getPagination

```
public Pagination getPagination()
```

Getter for the field pagination.

**Returns:**

a [Pagination](#) object.

---

## setPagination

```
public void setPagination(Pagination pagination)
```

Setter for the field pagination.

**Parameters:**

pagination - a [Pagination](#) object.

---

# io.reneses.tela.modules.instagram.api.responses

## Class MediaResponse

java.lang.Object

└-[io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse](#)  
└-io.reneses.tela.modules.instagram.api.responses.**MediaResponse**

public class **MediaResponse**  
extends [EnvelopeResponse](#)

MediaResponse class.

### Constructor Summary

public	<a href="#">MediaResponse</a> ()
--------	----------------------------------

### Method Summary

java.util.List	<a href="#">getMedia</a> () Getter for the field media.
<a href="#">Pagination</a>	<a href="#">getPagination</a> () Getter for the field pagination.
void	<a href="#">setMedia</a> (java.util.List media) Setter for the field media.
void	<a href="#">setPagination</a> ( <a href="#">Pagination</a> pagination) Setter for the field pagination.

Methods inherited from class [io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse](#)

[getMeta](#), [setMeta](#)

Methods inherited from class java.lang.Object

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

### Constructors

#### MediaResponse

public **MediaResponse**()

### Methods

(continued from last page)

## getMedia

```
public java.util.List getMedia()
```

Getter for the field media.

**Returns:**

a `java.util.List` object.

---

## setMedia

```
public void setMedia(java.util.List media)
```

Setter for the field media.

**Parameters:**

media - a `java.util.List` object.

---

## getPagination

```
public Pagination getPagination()
```

Getter for the field pagination.

**Returns:**

a [Pagination](#) object.

---

## setPagination

```
public void setPagination(Pagination pagination)
```

Setter for the field pagination.

**Parameters:**

pagination - a [Pagination](#) object.

---

## io.reneses.tela.modules.instagram.api.responses

### Class RelationshipResponse

```
java.lang.Object
```

```
└-io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse
    └-io.reneses.tela.modules.instagram.api.responses.RelationshipResponse
```

```
public class RelationshipResponse
    extends EnvelopeResponse
```

RelationshipResponse class.

#### Constructor Summary

public	<a href="#">RelationshipResponse()</a>
--------	--

#### Method Summary

<a href="#">Pagination</a>	<a href="#">getPagination()</a> Getter for the field pagination.
java.util.List	<a href="#">getUsers()</a> Getter for the field users.
void	<a href="#">setPagination(<a href="#">Pagination</a> pagination)</a> Setter for the field pagination.
void	<a href="#">setUsers</a> (java.util.List users) Setter for the field users.

Methods inherited from class [io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse](#)

[getMeta](#), [setMeta](#)

Methods inherited from class java.lang.Object

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

#### Constructors

##### RelationshipResponse

```
public RelationshipResponse()
```

#### Methods

(continued from last page)

## getUsers

```
public java.util.List getUsers()
```

Getter for the field users.

**Returns:**

a `java.util.List` object.

---

## setUsers

```
public void setUsers(java.util.List users)
```

Setter for the field users.

**Parameters:**

users - a `java.util.List` object.

---

## getPagination

```
public Pagination getPagination()
```

Getter for the field pagination.

**Returns:**

a [Pagination](#) object.

---

## setPagination

```
public void setPagination(Pagination pagination)
```

Setter for the field pagination.

**Parameters:**

pagination - a [Pagination](#) object.

---

# io.reneses.tela.modules.instagram.api.responses

## Class SearchResponse

java.lang.Object

└-[io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse](#)  
└-io.reneses.tela.modules.instagram.api.responses.**SearchResponse**

public class **SearchResponse**  
extends [EnvelopeResponse](#)

SearchResponse class.

### Constructor Summary

public	<a href="#">SearchResponse</a> ()
--------	-----------------------------------

### Method Summary

<a href="#">User</a>	<a href="#">getUser</a> ( java.lang.String username) getUser.
void	<a href="#">setUsers</a> ( java.util.List users) Setter for the field users.

Methods inherited from class [io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse](#)

[getMeta](#), [setMeta](#)

Methods inherited from class java.lang.Object

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

### Constructors

#### SearchResponse

public **SearchResponse**()

### Methods

#### getUser

public [User](#) **getUser**( java.lang.String username)

getUser.

**Parameters:**

(continued from last page)

username - a `java.lang.String` object.

**Returns:**

a [User](#) object.

---

## setUsers

```
public void setUsers(java.util.List users)
```

Setter for the field `users`.

**Parameters:**

users - a `java.util.List` object.

# io.reneses.tela.modules.instagram.api.responses

## Class UserRelationshipResponse

java.lang.Object

└-io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse  
└-io.reneses.tela.modules.instagram.api.responses.UserRelationshipResponse

public class **UserRelationshipResponse**  
extends [EnvelopeResponse](#)

UserRelationshipResponse class.

### Constructor Summary

public	<a href="#">UserRelationshipResponse()</a>
--------	--

### Method Summary

<a href="#">UserRelationship</a>	<a href="#">getRelationship()</a> Getter for the field relationship.
void	<a href="#">setRelationship(<a href="#">UserRelationship</a> relationship)</a> Setter for the field relationship.

Methods inherited from class [io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse](#)

[getMeta](#), [setMeta](#)

Methods inherited from class java.lang.Object

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

### Constructors

#### UserRelationshipResponse

public **UserRelationshipResponse()**

### Methods

#### setRelationship

public void **setRelationship**([UserRelationship](#) relationship)

Setter for the field relationship.

**Parameters:**



(continued from last page)

relationship - a [UserRelationship](#) object.

---

## getRelationship

```
public UserRelationship getRelationship()
```

Getter for the field relationship.

### Returns:

a [UserRelationship](#) object.

## io.reneses.tela.modules.instagram.api.responses

### Class UserResponse

java.lang.Object

└-[io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse](#)  
└-io.reneses.tela.modules.instagram.api.responses.UserResponse

public class **UserResponse**  
extends [EnvelopeResponse](#)

UserResponse class.

#### Constructor Summary

public	<a href="#">UserResponse</a> ()
--------	---------------------------------

#### Method Summary

<a href="#">User</a>	<a href="#">getUser</a> () Getter for the field user.
void	<a href="#">setUser</a> ( <a href="#">User</a> user) Setter for the field user.

Methods inherited from class [io.reneses.tela.modules.instagram.api.responses.EnvelopeResponse](#)

[getMeta](#), [setMeta](#)

Methods inherited from class java.lang.Object

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

#### Constructors

##### UserResponse

public **UserResponse**()

#### Methods

##### getUser

public [User](#) **getUser**()

Getter for the field user.

**Returns:**

(continued from last page)

a [User](#) object.

---

## **setUser**

```
public void setUser(User user)
```

Setter for the field `user`.

### **Parameters:**

`user` - a [User](#) object.

---

**Package**

**io.reneses.tela.modules.instagram.cache**

## io.reneses.tela.modules.instagram.cache Interface AccessTokenIdCache

All Known Implementing Classes:

[AccessTokenIdCacheImpl](#)

public interface **AccessTokenIdCache**  
extends

Cache to remember the ID corresponding to an access token

### Method Summary

abstract java.lang.Long	<a href="#">getId</a> (java.lang.String accessToken) Get the ID of the given access token
abstract void	<a href="#">put</a> (java.lang.String accessToken, long userId) Store the user ID related to an access token

### Methods

#### put

```
public abstract void put(java.lang.String accessToken,  
                        long userId)
```

Store the user ID related to an access token

##### Parameters:

accessToken - AccessToken  
userId - UserId

#### getId

```
public abstract java.lang.Long getId(java.lang.String accessToken)
```

Get the ID of the given access token

##### Parameters:

accessToken - Access token

##### Returns:

User ID of the given access token, or null if not found

## io.reneses.tela.modules.instagram.cache Class AccessTokenIdCacheImpl

java.lang.Object

└--io.reneses.tela.modules.instagram.cache.AccessTokenIdCacheImpl

All Implemented Interfaces:

[AccessTokenIdCache](#)

public class **AccessTokenIdCacheImpl**  
extends java.lang.Object  
implements [AccessTokenIdCache](#)

Implementation of the Access Token

### Constructor Summary

public	<a href="#">AccessTokenIdCacheImpl()</a>
--------	--

### Method Summary

java.lang.Long	<a href="#">getId</a> (java.lang.String accessToken)
void	<a href="#">put</a> (java.lang.String accessToken, long id)

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface [io.reneses.tela.modules.instagram.cache.AccessTokenIdCache](#)

[getId](#), [put](#)

## Constructors

### AccessTokenIdCacheImpl

public **AccessTokenIdCacheImpl**()

## Methods

### put

public void **put**(java.lang.String accessToken,  
long id)

---

## getId

```
public java.lang.Long getId(java.lang.String accessToken)
```

## io.reneses.tela.modules.instagram.cache Interface UsernameIdCache

All Known Implementing Classes:

[UsernameIdCacheImpl](#)

public interface **UsernameIdCache**  
extends

Cache storing the user ID of an username

### Method Summary

abstract java.lang.Long	<a href="#">getId</a> (java.lang.String username) Get the user ID of a given username
abstract void	<a href="#">put</a> (java.lang.String username, long userId) Cache the user ID of an username

### Methods

#### **put**

```
public abstract void put(java.lang.String username,  
                        long userId)
```

Cache the user ID of an username

##### Parameters:

username - Username  
userId - User ID

#### **getId**

```
public abstract java.lang.Long getId(java.lang.String username)
```

Get the user ID of a given username

##### Parameters:

username - Username

##### Returns:

User ID, or null if not found



## io.reneses.tela.modules.instagram.cache

### Class UsernameIdCacheImpl

java.lang.Object

└io.reneses.tela.modules.instagram.cache.UsernameIdCacheImpl

All Implemented Interfaces:

[UsernameIdCache](#)

public class **UsernameIdCacheImpl**  
 extends java.lang.Object  
 implements [UsernameIdCache](#)

Implementation of the UsernameIdCache

### Constructor Summary

public	<a href="#">UsernameIdCacheImpl()</a>
--------	---------------------------------------

### Method Summary

java.lang.Long	<a href="#">getId</a> (java.lang.String username)
void	<a href="#">put</a> (java.lang.String username, long id)

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface [io.reneses.tela.modules.instagram.cache.UsernameIdCache](#)

[getId](#), [put](#)

## Constructors

### UsernameIdCacheImpl

public **UsernameIdCacheImpl**()

## Methods

### put

public void **put**(java.lang.String username,  
 long id)

---

## getId

```
public java.lang.Long getId(java.lang.String username)
```

---

**Package**

**io.reneses.tela.modules.instagram.databases.extensions**

## io.reneses.tela.modules.instagram.databases.extensions Class InstagramOrientDatabaseExtension

java.lang.Object

└- [io.reneses.tela.core.databases.extensions.OrientDatabaseExtension](#)

└-

io.reneses.tela.modules.instagram.databases.extensions.InstagramOrientDatabaseExtension

All Implemented Interfaces:

[DatabaseExtension](#)

public class **InstagramOrientDatabaseExtension**

extends [OrientDatabaseExtension](#)

OrientDB extension for the Instagram module

### Nested Class Summary

class	<a href="#">InstagramOrientDatabaseExtension.Comment</a> InstagramOrientDatabaseExtension.Comment
class	<a href="#">InstagramOrientDatabaseExtension.Media</a> InstagramOrientDatabaseExtension.Media
class	<a href="#">InstagramOrientDatabaseExtension.Relationship</a> InstagramOrientDatabaseExtension.Relationship
class	<a href="#">InstagramOrientDatabaseExtension.User</a> InstagramOrientDatabaseExtension.User

### Constructor Summary

public	<a href="#">InstagramOrientDatabaseExtension()</a>
--------	--

### Method Summary

void	<a href="#">init()</a> ( <a href="#">OrientGraphWrapper</a> telaGraph)
boolean	<a href="#">isInitiated()</a> ( <a href="#">OrientGraphWrapper</a> telaGraph)

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface [io.reneses.tela.core.databases.extensions.DatabaseExtension](#)

[init](#), [isInitiated](#)

(continued from last page)

## Constructors

### InstagramOrientDatabaseExtension

```
public InstagramOrientDatabaseExtension()
```

## Methods

### isInitiated

```
public boolean isInitiated(OrientGraphWrapper telaGraph)
```

---

### init

```
public void init(OrientGraphWrapper telaGraph)
```

## io.reneses.tela.modules.instagram.databases.extensions

### Class InstagramOrientDatabaseExtension.User

```
java.lang.Object
```

```
└─
```

```
io.reneses.tela.modules.instagram.databases.extensions.InstagramOrientDatabaseExtension
.User
```

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

#### Nested Class Summary

class	<a href="#">InstagramOrientDatabaseExtension.User.Count</a> InstagramOrientDatabaseExtension.User.Count
-------	--

#### Field Summary

public static final	<a href="#">BIO</a> Value: <b>bio</b>
public static final	<a href="#">CLASS</a> Value: <b>InstagramUser</b>
public static final	<a href="#">FOLLOWS</a> Value: <b>InstagramFollows</b>
public static final	<a href="#">FULL_NAME</a> Value: <b>full_name</b>
public static final	<a href="#">ID</a> Value: <b>user_id</b>
public static final	<a href="#">PICTURE</a> Value: <b>profile_picture</b>
public static final	<a href="#">USERNAME</a> Value: <b>username</b>
public static final	<a href="#">WEBSITE</a> Value: <b>website</b>

#### Constructor Summary

public	<a href="#">User()</a>
--------	------------------------

Methods inherited from class `java.lang.Object`

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

---

## Fields

### CLASS

```
public static final java.lang.String CLASS
```

Constant value: **InstagramUser**

---

### FOLLOWS

```
public static final java.lang.String FOLLOWS
```

Constant value: **InstagramFollows**

---

### FULL\_NAME

```
public static final java.lang.String FULL_NAME
```

Constant value: **full\_name**

---

### WEBSITE

```
public static final java.lang.String WEBSITE
```

Constant value: **website**

---

### USERNAME

```
public static final java.lang.String USERNAME
```

Constant value: **username**

---

### ID

```
public static final java.lang.String ID
```

Constant value: **user\_id**

---

### PICTURE

```
public static final java.lang.String PICTURE
```

Constant value: **profile\_picture**

---

(continued from last page)

## BIO

```
public static final java.lang.String BIO
```

Constant value: **bio**

## Constructors

## User

```
public User()
```



# io.reneses.tela.modules.instagram.databases.extensions

## Class InstagramOrientDatabaseExtension.User.Count

java.lang.Object

└─

io.reneses.tela.modules.instagram.databases.extensions.InstagramOrientDatabaseExtension.  
User.Count

public static class **InstagramOrientDatabaseExtension.User.Count**  
extends java.lang.Object

Field Summary	
public static final	<a href="#">CLASS</a> Value: <b>InstagramUserCounts</b>
public static final	<a href="#">COUNTS</a> Value: <b>InstagramHasCounts</b>
public static final	<a href="#">CREATED_AT</a> Value: <b>created_at</b>
public static final	<a href="#">FOLLOWERS</a> Value: <b>followers</b>
public static final	<a href="#">FOLLOWING</a> Value: <b>following</b>
public static final	<a href="#">MEDIA</a> Value: <b>media</b>

Constructor Summary	
public	<a href="#">Count()</a>

Methods inherited from class java.lang.Object	
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait	

## Fields

**CLASS**

public static final java.lang.String **CLASS**

(continued from last page)

Constant value: **InstagramUserCounts**

---

## COUNTS

```
public static final java.lang.String COUNTS
```

Constant value: **InstagramHasCounts**

---

## MEDIA

```
public static final java.lang.String MEDIA
```

Constant value: **media**

---

## FOLLOWERS

```
public static final java.lang.String FOLLOWERS
```

Constant value: **followers**

---

## FOLLOWING

```
public static final java.lang.String FOLLOWING
```

Constant value: **following**

---

## CREATED\_AT

```
public static final java.lang.String CREATED_AT
```

Constant value: **created\_at**

---

## Constructors

### Count

```
public Count()
```

## io.reneses.tela.modules.instagram.databases.extensions

### Class InstagramOrientDatabaseExtension.Media

java.lang.Object

└─

io.reneses.tela.modules.instagram.databases.extensions.InstagramOrientDatabaseExtension.  
Media

public static class **InstagramOrientDatabaseExtension.Media**  
extends java.lang.Object

#### Nested Class Summary

class	<a href="#">InstagramOrientDatabaseExtension.Media.Location</a> InstagramOrientDatabaseExtension.Media.Location
class	<a href="#">InstagramOrientDatabaseExtension.Media.Resource</a> InstagramOrientDatabaseExtension.Media.Resource
class	<a href="#">InstagramOrientDatabaseExtension.Media.Tags</a> InstagramOrientDatabaseExtension.Media.Tags

#### Field Summary

public static final	<a href="#">CAPTION</a> Value: <b>InstagramCaption</b>
public static final	<a href="#">CLASS</a> Value: <b>InstagramMedia</b>
public static final	<a href="#">CREATED_TIME</a> Value: <b>created_at</b>
public static final	<a href="#">FILTER</a> Value: <b>filter</b>
public static final	<a href="#">HASHTAGS</a> Value: <b>tags</b>
public static final	<a href="#">ID</a> Value: <b>media_id</b>
public static final	<a href="#">LIKES</a> Value: <b>InstagramLikes</b>
public static final	<a href="#">LINK</a> Value: <b>link</b>

public static final	<a href="#">N_COMMENTS</a> Value: <b>n_comments</b>
public static final	<a href="#">N_LIKES</a> Value: <b>n_likes</b>
public static final	<a href="#">POSTS</a> Value: <b>InstagramPosts</b>
public static final	<a href="#">TYPE</a> Value: <b>type</b>
public static final	<a href="#">USER_HAS_LIKED</a> Value: <b>user_has_liked</b>

## Constructor Summary

public	<a href="#">Media</a> ()
--------	--------------------------

### Methods inherited from class java.lang.Object

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

## Fields

### CLASS

public static final java.lang.String **CLASS**

Constant value: **InstagramMedia**

### LIKES

public static final java.lang.String **LIKES**

Constant value: **InstagramLikes**

### POSTS

public static final java.lang.String **POSTS**

Constant value: **InstagramPosts**

### CAPTION

public static final java.lang.String **CAPTION**

(continued from last page)

Constant value: **InstagramCaption**

---

## ID

```
public static final java.lang.String ID
```

Constant value: **media\_id**

---

## LINK

```
public static final java.lang.String LINK
```

Constant value: **link**

---

## FILTER

```
public static final java.lang.String FILTER
```

Constant value: **filter**

---

## TYPE

```
public static final java.lang.String TYPE
```

Constant value: **type**

---

## HASHTAGS

```
public static final java.lang.String HASHTAGS
```

Constant value: **tags**

---

## N\_LIKES

```
public static final java.lang.String N_LIKES
```

Constant value: **n\_likes**

---

## N\_COMMENTS

```
public static final java.lang.String N_COMMENTS
```

Constant value: **n\_comments**

---

## CREATED\_TIME

```
public static final java.lang.String CREATED_TIME
```

Constant value: **created\_at**

(continued from last page)

## USER\_HAS\_LIKED

```
public static final java.lang.String USER_HAS_LIKED
```

Constant value: **user\_has\_liked**

## Constructors

### Media

```
public Media()
```

## io.reneses.tela.modules.instagram.databases.extensions Class InstagramOrientDatabaseExtension.Media.Tags

java.lang.Object



io.reneses.tela.modules.instagram.databases.extensions.InstagramOrientDatabaseExtension.  
Media.Tags

public static class **InstagramOrientDatabaseExtension.Media.Tags**  
extends java.lang.Object

### Field Summary

public static final	<a href="#">TAGS</a> Value: <b>InstagramTags</b>
public static final	<a href="#">TAGS_X</a> Value: <b>x</b>
public static final	<a href="#">TAGS_Y</a> Value: <b>y</b>

### Constructor Summary

public	<a href="#">Tags()</a>
--------	------------------------

### Methods inherited from class java.lang.Object

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

## Fields

### TAGS

public static final java.lang.String **TAGS**

Constant value: **InstagramTags**

### TAGS\_X

public static final java.lang.String **TAGS\_X**

Constant value: **x**

(continued from last page)

## TAGS\_Y

```
public static final java.lang.String TAGS_Y
```

Constant value: **Y**

## Constructors

### Tags

```
public Tags()
```



## io.reneses.tela.modules.instagram.databases.extensions Class InstagramOrientDatabaseExtension.Media.Location

java.lang.Object



io.reneses.tela.modules.instagram.databases.extensions.InstagramOrientDatabaseExtension.  
Media.Location

public static class **InstagramOrientDatabaseExtension.Media.Location**  
extends java.lang.Object

### Field Summary

public static final	<a href="#"><u>ADDRESS</u></a> Value: <b>address</b>
public static final	<a href="#"><u>CLASS</u></a> Value: <b>InstagramLocation</b>
public static final	<a href="#"><u>ID</u></a> Value: <b>location_id</b>
public static final	<a href="#"><u>LATITUDE</u></a> Value: <b>latitude</b>
public static final	<a href="#"><u>LOCATED_AT</u></a> Value: <b>InstagramLocatedAt</b>
public static final	<a href="#"><u>LONGITUDE</u></a> Value: <b>longitude</b>
public static final	<a href="#"><u>NAME</u></a> Value: <b>name</b>

### Constructor Summary

public	<a href="#"><u>Location()</u></a>
--------	-----------------------------------

#### Methods inherited from class java.lang.Object

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

### Fields

(continued from last page)

## CLASS

```
public static final java.lang.String CLASS
```

Constant value: **InstagramLocation**

---

## LOCATED\_AT

```
public static final java.lang.String LOCATED_AT
```

Constant value: **InstagramLocatedAt**

---

## ID

```
public static final java.lang.String ID
```

Constant value: **location\_id**

---

## LONGITUDE

```
public static final java.lang.String LONGITUDE
```

Constant value: **longitude**

---

## LATITUDE

```
public static final java.lang.String LATITUDE
```

Constant value: **latitude**

---

## NAME

```
public static final java.lang.String NAME
```

Constant value: **name**

---

## ADDRESS

```
public static final java.lang.String ADDRESS
```

Constant value: **address**

## Constructors

### Location

```
public Location()
```

## io.reneses.tela.modules.instagram.databases.extensions

### Class InstagramOrientDatabaseExtension.Media.Resource

java.lang.Object



io.reneses.tela.modules.instagram.databases.extensions.InstagramOrientDatabaseExtension.  
Media.Resource

public static class **InstagramOrientDatabaseExtension.Media.Resource**  
extends java.lang.Object

#### Field Summary

public static final	<a href="#">CLASS</a> Value: <b>InstagramResource</b>
public static final	<a href="#">HEIGHT</a> Value: <b>height</b>
public static final	<a href="#">IMAGE</a> Value: <b>InstagramImage</b>
public static final	<a href="#">SIZE</a> Value: <b>size</b>
public static final	<a href="#">URL</a> Value: <b>url</b>
public static final	<a href="#">VIDEO</a> Value: <b>InstagramVideo</b>
public static final	<a href="#">WIDTH</a> Value: <b>width</b>

#### Constructor Summary

public	<a href="#">Resource()</a>
--------	----------------------------

#### Methods inherited from class java.lang.Object

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

#### Fields

(continued from last page)

## CLASS

```
public static final java.lang.String CLASS
```

Constant value: **InstagramResource**

## VIDEO

```
public static final java.lang.String VIDEO
```

Constant value: **InstagramVideo**

## IMAGE

```
public static final java.lang.String IMAGE
```

Constant value: **InstagramImage**

## URL

```
public static final java.lang.String URL
```

Constant value: **url**

## WIDTH

```
public static final java.lang.String WIDTH
```

Constant value: **width**

## HEIGHT

```
public static final java.lang.String HEIGHT
```

Constant value: **height**

## SIZE

```
public static final java.lang.String SIZE
```

Constant value: **size**

## Constructors

### Resource

```
public Resource()
```

## io.reneses.tela.modules.instagram.databases.extensions Class InstagramOrientDatabaseExtension.Comment

java.lang.Object



io.reneses.tela.modules.instagram.databases.extensions.InstagramOrientDatabaseExtension.  
Comment

public static class **InstagramOrientDatabaseExtension.Comment**  
extends java.lang.Object

### Field Summary

public static final	<a href="#">CLASS</a> Value: <b>InstagramComment</b>
public static final	<a href="#">COMMENTS</a> Value: <b>InstagramComments</b>
public static final	<a href="#">CREATED_TIME</a> Value: <b>created_time</b>
public static final	<a href="#">ID</a> Value: <b>comment_id</b>
public static final	<a href="#">TEXT</a> Value: <b>text</b>

### Constructor Summary

public	<a href="#">Comment</a> ( )
--------	-----------------------------

### Methods inherited from class java.lang.Object

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

### Fields

#### CLASS

public static final java.lang.String **CLASS**

Constant value: **InstagramComment**

(continued from last page)

## COMMENTS

```
public static final java.lang.String COMMENTS
```

Constant value: **InstagramComments**

---

## TEXT

```
public static final java.lang.String TEXT
```

Constant value: **text**

---

## ID

```
public static final java.lang.String ID
```

Constant value: **comment\_id**

---

## CREATED\_TIME

```
public static final java.lang.String CREATED_TIME
```

Constant value: **created\_time**

## Constructors

### Comment

```
public Comment()
```

## io.reneses.tela.modules.instagram.databases.extensions

### Class InstagramOrientDatabaseExtension.Relationship

java.lang.Object



io.reneses.tela.modules.instagram.databases.extensions.InstagramOrientDatabaseExtension.Relationship

public static class **InstagramOrientDatabaseExtension.Relationship**  
 extends java.lang.Object

#### Field Summary

public static final	<a href="#">CLASS</a> Value: <b>InstagramRelationship</b>
public static final	<a href="#">INCOMING</a> Value: <b>incoming</b>
public static final	<a href="#">OUTGOING</a> Value: <b>outgoing</b>
public static final	<a href="#">RELATE</a> Value: <b>InstagramRelates</b>
public static final	<a href="#">RELATE_TARGET_ID</a> Value: <b>target_id</b>
public static final	<a href="#">RELATED_CREATED_AT</a> Value: <b>created_at</b>
public static final	<a href="#">TARGET_USER_IS_PRIVATE</a> Value: <b>is_target_private</b>

#### Constructor Summary

public	<a href="#">Relationship()</a>
--------	--------------------------------

#### Methods inherited from class java.lang.Object

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

#### Fields

(continued from last page)

## CLASS

```
public static final java.lang.String CLASS
```

Constant value: **InstagramRelationship**

## RELATE

```
public static final java.lang.String RELATE
```

Constant value: **InstagramRelates**

## RELATE\_TARGET\_ID

```
public static final java.lang.String RELATE_TARGET_ID
```

Constant value: **target\_id**

## RELATED\_CREATED\_AT

```
public static final java.lang.String RELATED_CREATED_AT
```

Constant value: **created\_at**

## INCOMING

```
public static final java.lang.String INCOMING
```

Constant value: **incoming**

## OUTGOING

```
public static final java.lang.String OUTGOING
```

Constant value: **outgoing**

## TARGET\_USER\_IS\_PRIVATE

```
public static final java.lang.String TARGET_USER_IS_PRIVATE
```

Constant value: **is\_target\_private**

## Constructors

### Relationship

```
public Relationship()
```



---

**Package**

**io.reneses.tela.modules.instagram.model**  
**S**

# io.reneses.tela.modules.instagram.models

## Class Comment

java.lang.Object

└--io.reneses.tela.modules.instagram.models.Comment

public class **Comment**  
extends java.lang.Object

Comment class.

### Constructor Summary

public	<a href="#">Comment()</a>
--------	---------------------------

### Method Summary

boolean	<a href="#">equals()</a> ( java.lang.Object o )
java.util.Date	<a href="#">getCreatedTime()</a> Getter for the field createdTime.
long	<a href="#">getId()</a> Getter for the field id.
long	<a href="#">getJsonCreatedTime()</a> getJsonCreatedTime.
java.lang.String	<a href="#">getText()</a> Getter for the field text.
<a href="#">User</a>	<a href="#">getUser()</a> Getter for the field user.
int	<a href="#">hashCode()</a>
void	<a href="#">setCreatedTime()</a> ( java.util.Date createdDate ) Setter for the field createdTime.
void	<a href="#">setId()</a> ( long id ) Setter for the field id.
void	<a href="#">setText()</a> ( java.lang.String text ) Setter for the field text.
void	<a href="#">setUser()</a> ( <a href="#">User</a> user ) Setter for the field user.
java.lang.String	<a href="#">toString()</a>

Methods inherited from class java.lang.Object

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

---

## Constructors

### Comment

```
public Comment()
```

## Methods

### getId

```
public long getId()
```

Getter for the field id.

**Returns:**

a long.

---

### setId

```
public void setId(long id)
```

Setter for the field id.

**Parameters:**

id - a long.

---

### getCreatedTime

```
public java.util.Date getCreatedTime()
```

Getter for the field createdTime.

**Returns:**

a java.util.Date object.

---

### getJsonCreatedTime

```
public long getJsonCreatedTime()
```

getJsonCreatedTime.

**Returns:**

a long.

---

### setCreatedTime

```
public void setCreatedTime(java.util.Date createdDate)
```

Setter for the field createdTime.

---

(continued from last page)

**Parameters:**

createdDate - a `java.util.Date` object.

---

**getText**

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

Getter for the field `text`.

**Returns:**

a `java.lang.String` object.

---

**setText**

```
public void setText(java.lang.String text)
```

Setter for the field `text`.

**Parameters:**

`text` - a `java.lang.String` object.

---

**getUser**

```
public User getUser()
```

Getter for the field `user`.

**Returns:**

a [User](#) object.

---

**setUser**

```
public void setUser(User user)
```

Setter for the field `user`.

**Parameters:**

`user` - a [User](#) object.

---

**equals**

```
public boolean equals(java.lang.Object o)
```

---

**hashCode**

```
public int hashCode()
```

---

**toString**

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

---

## io.reneses.tela.modules.instagram.models

### Class Counts

java.lang.Object

└-io.reneses.tela.modules.instagram.models.Counts

public class **Counts**  
extends java.lang.Object

Counts class.

#### Constructor Summary

public	<a href="#">Counts()</a> Constructor for Counts.
public	<a href="#">Counts</a> (int numberOfMedia, int numberOfFollowers, int numberOfFollowing) Constructor for Counts.

#### Method Summary

boolean	<a href="#">equals</a> (java.lang.Object o)
java.util.Date	<a href="#">getCreatedAt</a> () Getter for the field createdAt.
int	<a href="#">getNumberOfFollowers</a> () Getter for the field numberOfFollowers.
int	<a href="#">getNumberOfFollowing</a> () Getter for the field numberOfFollowing.
int	<a href="#">getNumberOfMedia</a> () Getter for the field numberOfMedia.
int	<a href="#">hashCode</a> ()
void	<a href="#">setCreatedAt</a> (java.util.Date createdAt) Setter for the field createdAt.
void	<a href="#">setNumberOfFollowers</a> (int numberOfFollowers) Setter for the field numberOfFollowers.
void	<a href="#">setNumberOfFollowing</a> (int numberOfFollows) Setter for the field numberOfFollowing.
void	<a href="#">setNumberOfMedia</a> (int numberOfMedia) Setter for the field numberOfMedia.
java.lang.String	<a href="#">toString</a> ()

Methods inherited from class java.lang.Object

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

## Constructors

### Counts

```
public Counts()
```

Constructor for Counts.

### Counts

```
public Counts(int numberOfMedia,  
              int numberOfFollowers,  
              int numberOfFollowing)
```

Constructor for Counts.

#### Parameters:

numberOfMedia - a int.  
numberOfFollowers - a int.  
numberOfFollowing - a int.

## Methods

### getNumberOfMedia

```
public int getNumberOfMedia()
```

Getter for the field numberOfMedia.

#### Returns:

a int.

### setNumberOfMedia

```
public void setNumberOfMedia(int numberOfMedia)
```

Setter for the field numberOfMedia.

#### Parameters:

numberOfMedia - a int.

### getNumberOfFollowers

```
public int getNumberOfFollowers()
```

Getter for the field numberOfFollowers.

#### Returns:

a int.

(continued from last page)

---

## setNumberOfFollowers

```
public void setNumberOfFollowers(int numberOfFollowers)
```

Setter for the field numberOfFollowers.

### Parameters:

numberOfFollowers - a int.

---

## getNumberOfFollowing

```
public int getNumberOfFollowing()
```

Getter for the field numberOfFollowing.

### Returns:

a int.

---

## setNumberOfFollowing

```
public void setNumberOfFollowing(int numberOfFollows)
```

Setter for the field numberOfFollowing.

### Parameters:

numberOfFollows - a int.

---

## getCreatedAt

```
public java.util.Date getCreatedAt()
```

Getter for the field createdAt.

### Returns:

a java.util.Date object.

---

## setCreatedAt

```
public void setCreatedAt(java.util.Date createdAt)
```

Setter for the field createdAt.

### Parameters:

createdAt - a java.util.Date object.

---

## toString

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

---

## equals

```
public boolean equals(java.lang.Object o)
```

---

(continued from last page)

## **hashCode**

```
public int hashCode()
```



## io.reneses.tela.modules.instagram.models

### Class Location

java.lang.Object

└--io.reneses.tela.modules.instagram.models.Location

public class **Location**  
extends java.lang.Object

Location class.

#### Constructor Summary

public	<a href="#">Location()</a>
--------	----------------------------

#### Method Summary

boolean	<a href="#">equals()</a> ( java.lang.Object o )
long	<a href="#">getId()</a> Getter for the field id.
double	<a href="#">getLatitude()</a> Getter for the field latitude.
double	<a href="#">getLongitude()</a> Getter for the field longitude.
java.lang.String	<a href="#">getName()</a> Getter for the field name.
java.lang.String	<a href="#">getStreetAddress()</a> Getter for the field streetAddress.
int	<a href="#">hashCode()</a>
void	<a href="#">setId(long id)</a> Setter for the field id.
void	<a href="#">setLatitude(double latitude)</a> Setter for the field latitude.
void	<a href="#">setLongitude(double longitude)</a> Setter for the field longitude.
void	<a href="#">setName( java.lang.String name)</a> Setter for the field name.
void	<a href="#">setStreetAddress( java.lang.String streetAddress)</a> Setter for the field streetAddress.

Methods inherited from class java.lang.Object

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

---

## Constructors

### Location

```
public Location()
```

## Methods

### getId

```
public long getId()
```

Getter for the field id.

**Returns:**

a long.

---

### setId

```
public void setId(long id)
```

Setter for the field id.

**Parameters:**

id - a long.

---

### getLatitude

```
public double getLatitude()
```

Getter for the field latitude.

**Returns:**

a double.

---

### setLatitude

```
public void setLatitude(double latitude)
```

Setter for the field latitude.

**Parameters:**

latitude - a double.

---

### getLongitude

```
public double getLongitude()
```

Getter for the field longitude.

---

(continued from last page)

**Returns:**

a double.

---

**setLongitude**

```
public void setLongitude(double longitude)
```

Setter for the field longitude.

**Parameters:**

longitude - a double.

---

**getName**

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

Getter for the field name.

**Returns:**

a java.lang.String object.

---

**setName**

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

Setter for the field name.

**Parameters:**

name - a java.lang.String object.

---

**getStreetAddress**

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

Getter for the field streetAddress.

**Returns:**

a java.lang.String object.

---

**setStreetAddress**

```
public void setStreetAddress(java.lang.String streetAddress)
```

Setter for the field streetAddress.

**Parameters:**

streetAddress - a java.lang.String object.

---

**equals**

```
public boolean equals(java.lang.Object o)
```

---

**hashCode**

```
public int hashCode()
```

(continued from last page)

## io.reneses.tela.modules.instagram.models

### Class Media

java.lang.Object

└-io.reneses.tela.modules.instagram.models.Media

public class **Media**  
extends java.lang.Object

Media class.

#### Field Summary

public static final	<a href="#">IMAGE</a> Constant IMAGE="image" Value: <b>image</b>
public static final	<a href="#">VIDEO</a> Constant VIDEO="video" Value: <b>video</b>

#### Constructor Summary

public	<a href="#">Media</a> ()
--------	--------------------------

#### Method Summary

boolean	<a href="#">equals</a> ( java.lang.Object o)
<a href="#">Comment</a>	<a href="#">getCaption</a> () Getter for the field caption.
java.util.List	<a href="#">getComments</a> () Getter for the field comments.
java.util.Date	<a href="#">getCreatedTime</a> () Getter for the field createdTime.
java.lang.String	<a href="#">getFilter</a> () Getter for the field filter.
java.lang.String	<a href="#">getId</a> () Getter for the field id.
java.util.Map	<a href="#">getImages</a> () Getter for the field images.
java.util.Map	<a href="#">getJsonComments</a> () getJsonComments.
long	<a href="#">getJsonCreatedTime</a> () getJsonCreatedTime.

java.util.Map	<a href="#">getJsonLikes()</a> getJsonLikes.
java.util.List	<a href="#">getLikes()</a> Getter for the field likes.
java.lang.String	<a href="#">getLink()</a> Getter for the field link.
<a href="#">Location</a>	<a href="#">getLocation()</a> Getter for the field location.
int	<a href="#">getNumberOfComments()</a> Getter for the field numberOfComments.
int	<a href="#">getNumberOfLikes()</a> Getter for the field numberOfLikes.
java.util.List	<a href="#">getTaggedUsers()</a> Getter for the field taggedUsers.
java.util.Set	<a href="#">getTags()</a> Getter for the field tags.
java.lang.String	<a href="#">getType()</a> Getter for the field type.
<a href="#">User</a>	<a href="#">getUser()</a> Getter for the field user.
java.lang.Boolean	<a href="#">getUserHasLiked()</a> Getter for the field userHasLiked.
java.util.Map	<a href="#">getVideos()</a> Getter for the field videos.
int	<a href="#">hashCode()</a>
boolean	<a href="#">isImage()</a> isImage.
boolean	<a href="#">isVideo()</a> isVideo.
void	<a href="#">setCaption(<a href="#">Comment</a> caption)</a> Setter for the field caption.
void	<a href="#">setComments(java.util.List comments)</a> Setter for the field comments.
void	<a href="#">setComments(java.util.Map value)</a> Setter for the field comments.
void	<a href="#">setCreatedTime(java.util.Date createdTime)</a> Setter for the field createdTime.
void	<a href="#">setFilter(java.lang.String filter)</a> Setter for the field filter.

void	<a href="#"><code>setId</code></a> ( java.lang.String id) Setter for the field id.
void	<a href="#"><code>setImages</code></a> ( java.util.Map images) Setter for the field images.
void	<a href="#"><code>setLikes</code></a> ( java.util.List likes) Setter for the field likes.
void	<a href="#"><code>setLikes</code></a> ( java.util.Map value) Setter for the field likes.
void	<a href="#"><code>setLink</code></a> ( java.lang.String link) Setter for the field link.
void	<a href="#"><code>setLocation</code></a> ( <a href="#"><code>Location</code></a> location) Setter for the field location.
void	<a href="#"><code>setNumberOfComments</code></a> (int numberOfComments) Setter for the field numberOfComments.
void	<a href="#"><code>setNumberOfLikes</code></a> (int numberOfLikes) Setter for the field numberOfLikes.
void	<a href="#"><code>setTaggedUsers</code></a> ( java.util.List taggedUsers) Setter for the field taggedUsers.
void	<a href="#"><code>setTags</code></a> ( java.util.Set tags) Setter for the field tags.
void	<a href="#"><code>setType</code></a> ( java.lang.String type) Setter for the field type.
void	<a href="#"><code>setUser</code></a> ( <a href="#"><code>User</code></a> user) Setter for the field user.
void	<a href="#"><code>setUserHasLiked</code></a> ( java.lang.Boolean userHasLiked) Setter for the field userHasLiked.
void	<a href="#"><code>setVideos</code></a> ( java.util.Map videos) Setter for the field videos.
java.lang.String	<a href="#"><code>toString</code></a> ()

#### Methods inherited from class java.lang.Object

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

## Fields

### VIDEO

```
public static final java.lang.String VIDEO
```

Constant VIDEO="video"  
Constant value: **video**

## IMAGE

```
public static final java.lang.String IMAGE
```

```
    Constant IMAGE="image"  
    Constant value: image
```

## Constructors

### Media

```
public Media()
```

## Methods

### getNumberOfLikes

```
public int getNumberOfLikes()
```

Getter for the field numberOfLikes.

**Returns:**  
a int.

---

### setLikes

```
public void setLikes(java.util.List likes)
```

Setter for the field likes.

**Parameters:**  
likes - a java.util.List object.

---

### getLikes

```
public java.util.List getLikes()
```

Getter for the field likes.

**Returns:**  
a java.util.List object.

---

### setLikes

```
public void setLikes(java.util.Map value)
```

Setter for the field likes.

**Parameters:**  
value - a java.util.Map object.

---

### getJsonLikes

```
public java.util.Map getJsonLikes()
```



(continued from last page)

getJsonLikes.

**Returns:**

a `java.util.Map` object.

---

## setComments

```
public void setComments(java.util.List comments)
```

Setter for the field `comments`.

**Parameters:**

`comments` - a `java.util.List` object.

---

## getComments

```
public java.util.List getComments()
```

Getter for the field `comments`.

**Returns:**

a `java.util.List` object.

---

## setComments

```
public void setComments(java.util.Map value)
```

Setter for the field `comments`.

**Parameters:**

`value` - a `java.util.Map` object.

---

## getJsonComments

```
public java.util.Map getJsonComments()
```

getJsonComments.

**Returns:**

a `java.util.Map` object.

---

## setNumberOfComments

```
public void setNumberOfComments(int numberOfComments)
```

Setter for the field `numberOfComments`.

**Parameters:**

`numberOfComments` - a `int` object.

---

## setNumberOfLikes

```
public void setNumberOfLikes(int numberOfLikes)
```

Setter for the field `numberOfLikes`.

**Parameters:**

`numberOfLikes` - a `int` object.

---

---

## getNumberOfComments

```
public int getNumberOfComments()
```

Getter for the field `numberOfComments`.

**Returns:**

a int.

---

## getCreatedTime

```
public java.util.Date getCreatedTime()
```

Getter for the field `createdTime`.

**Returns:**

a `java.util.Date` object.

---

## getJsonCreatedTime

```
public long getJsonCreatedTime()
```

`getJsonCreatedTime`.

**Returns:**

a long.

---

## setCreatedTime

```
public void setCreatedTime(java.util.Date createdTime)
```

Setter for the field `createdTime`.

**Parameters:**

`createdTime` - a `java.util.Date` object.

---

## getUserHasLiked

```
public java.lang.Boolean getUserHasLiked()
```

Getter for the field `userHasLiked`.

**Returns:**

a `java.lang.Boolean` object.

---

## setUserHasLiked

```
public void setUserHasLiked(java.lang.Boolean userHasLiked)
```

Setter for the field `userHasLiked`.

**Parameters:**

`userHasLiked` - a `java.lang.Boolean` object.

---

## isVideo

```
public boolean isVideo()
```

---

(continued from last page)

isVideo.

**Returns:**

a boolean.

---

## isImage

```
public boolean isImage()
```

isImage.

**Returns:**

a boolean.

---

## getType

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

Getter for the field type.

**Returns:**

a java.lang.String object.

---

## setId

```
public void setId(java.lang.String id)
```

Setter for the field id.

**Parameters:**

id - a java.lang.String object.

---

## getId

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

Getter for the field id.

**Returns:**

a java.lang.String object.

---

## getCaption

```
public Comment getCaption()
```

Getter for the field caption.

**Returns:**

a [Comment](#) object.

---

## setCaption

```
public void setCaption(Comment caption)
```

Setter for the field caption.

**Parameters:**

caption - a [Comment](#) object.

## getLink

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

Getter for the field `link`.

**Returns:**

a `java.lang.String` object.

---

## setLink

```
public void setLink(java.lang.String link)
```

Setter for the field `link`.

**Parameters:**

`link` - a `java.lang.String` object.

---

## setType

```
public void setType(java.lang.String type)
```

Setter for the field `type`.

**Parameters:**

`type` - a `java.lang.String` object.

---

## getFilter

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

Getter for the field `filter`.

**Returns:**

a `java.lang.String` object.

---

## setFilter

```
public void setFilter(java.lang.String filter)
```

Setter for the field `filter`.

**Parameters:**

`filter` - a `java.lang.String` object.

---

## getUser

```
public User getUser()
```

Getter for the field `user`.

**Returns:**

a [User](#) object.

---

## setUser

```
public void setUser(User user)
```

---

(continued from last page)

Setter for the field user.

**Parameters:**

user - a [User](#) object.

---

## getTags

```
public java.util.Set getTags()
```

Getter for the field tags.

**Returns:**

a java.util.Set object.

---

## setTags

```
public void setTags(java.util.Set tags)
```

Setter for the field tags.

**Parameters:**

tags - a java.util.Set object.

---

## getLocation

```
public Location getLocation()
```

Getter for the field location.

**Returns:**

a [Location](#) object.

---

## setLocation

```
public void setLocation(Location location)
```

Setter for the field location.

**Parameters:**

location - a [Location](#) object.

---

## getImages

```
public java.util.Map getImages()
```

Getter for the field images.

**Returns:**

a java.util.Map object.

---

## setImages

```
public void setImages(java.util.Map images)
```

Setter for the field images.

**Parameters:**

images - a java.util.Map object.

---

## getVideos

```
public java.util.Map getVideos()
```

Getter for the field `videos`.

**Returns:**

a `java.util.Map` object.

---

## setVideos

```
public void setVideos(java.util.Map videos)
```

Setter for the field `videos`.

**Parameters:**

`videos` - a `java.util.Map` object.

---

## getTaggedUsers

```
public java.util.List getTaggedUsers()
```

Getter for the field `taggedUsers`.

**Returns:**

a `java.util.List` object.

---

## setTaggedUsers

```
public void setTaggedUsers(java.util.List taggedUsers)
```

Setter for the field `taggedUsers`.

**Parameters:**

`taggedUsers` - a `java.util.List` object.

---

## toString

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

---

## equals

```
public boolean equals(java.lang.Object o)
```

---

## hashCode

```
public int hashCode()
```

---

## io.reneses.tela.modules.instagram.models

### Class MediaResource

```
java.lang.Object
```

```
└--io.reneses.tela.modules.instagram.models.MediaResource
```

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

MediaResource class.

#### Constructor Summary

public	<a href="#">MediaResource()</a>
--------	---------------------------------

#### Method Summary

boolean	<a href="#">equals()</a> ( java.lang.Object o )
int	<a href="#">getHeight()</a> Getter for the field height.
java.lang.String	<a href="#">getSize()</a> Getter for the field size.
java.lang.String	<a href="#">getUrl()</a> Getter for the field url.
int	<a href="#">getWidth()</a> Getter for the field width.
int	<a href="#">hashCode()</a>
void	<a href="#">setHeight()</a> (int height) Setter for the field height.
void	<a href="#">setSize()</a> (java.lang.String size) Setter for the field size.
void	<a href="#">setUrl()</a> (java.lang.String url) Setter for the field url.
void	<a href="#">setWidth()</a> (int width) Setter for the field width.

#### Methods inherited from class java.lang.Object

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

#### Constructors

(continued from last page)

## MediaResource

```
public MediaResource()
```

## Methods

### getUrl

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

Getter for the field url.

**Returns:**

a java.lang.String object.

### setUrl

```
public void setUrl(java.lang.String url)
```

Setter for the field url.

**Parameters:**

url - a java.lang.String object.

### getSize

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

Getter for the field size.

**Returns:**

a java.lang.String object.

### setSize

```
public void setSize(java.lang.String size)
```

Setter for the field size.

**Parameters:**

size - a java.lang.String object.

### getWidth

```
public int getWidth()
```

Getter for the field width.

**Returns:**

a int.

### setWidth

```
public void setWidth(int width)
```



(continued from last page)

Setter for the field width.

**Parameters:**

width - a int.

---

## getHeight

```
public int getHeight()
```

Getter for the field height.

**Returns:**

a int.

---

## setHeight

```
public void setHeight(int height)
```

Setter for the field height.

**Parameters:**

height - a int.

---

## equals

```
public boolean equals(java.lang.Object o)
```

---

## hashCode

```
public int hashCode()
```

# io.reneses.tela.modules.instagram.models

## Class Position

java.lang.Object

└--io.reneses.tela.modules.instagram.models.Position

public class **Position**  
extends java.lang.Object

Position class.

### Constructor Summary

public	<a href="#">Position()</a> Position constructor
public	<a href="#">Position(double x, double y)</a> Position constructor

### Method Summary

boolean	<a href="#">equals(java.lang.Object o)</a>
double	<a href="#">getX()</a> Getter for the field x.
double	<a href="#">getY()</a> Getter for the field y.
int	<a href="#">hashCode()</a>
void	<a href="#">setX(double x)</a> Setter for the field x.
void	<a href="#">setY(double y)</a> Setter for the field y.
java.lang.String	<a href="#">toString()</a>

### Methods inherited from class java.lang.Object

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

## Constructors

### Position

public **Position()**

Position constructor

## Position

```
public Position(double x,  
                double y)
```

Position constructor

### Parameters:

x - X coordinate

y - Y coordinate

## Methods

### getX

```
public double getX()
```

Getter for the field x.

### Returns:

a double.

---

### setX

```
public void setX(double x)
```

Setter for the field x.

### Parameters:

x - a double.

---

### getY

```
public double getY()
```

Getter for the field y.

### Returns:

a double.

---

### setY

```
public void setY(double y)
```

Setter for the field y.

### Parameters:

y - a double.

---

### equals

```
public boolean equals(java.lang.Object o)
```

---

(continued from last page)

## hashCode

```
public int hashCode()
```

---

## toString

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

## io.reneses.tela.modules.instagram.models

### Class TaggedUser

java.lang.Object

└--io.reneses.tela.modules.instagram.models.TaggedUser

public class **TaggedUser**  
extends java.lang.Object

TaggedUser class.

#### Constructor Summary

public	<a href="#">TaggedUser()</a>
--------	------------------------------

#### Method Summary

boolean	<a href="#">equals</a> (java.lang.Object o)
<a href="#">Position</a>	<a href="#">getPosition()</a> Getter for the field position.
<a href="#">User</a>	<a href="#">getUser()</a> Getter for the field user.
int	<a href="#">hashCode()</a>
void	<a href="#">setPosition</a> ( <a href="#">Position</a> position) Setter for the field position.
void	<a href="#">setUser</a> ( <a href="#">User</a> user) Setter for the field user.
java.lang.String	<a href="#">toString()</a>

#### Methods inherited from class java.lang.Object

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

#### Constructors

##### TaggedUser

public **TaggedUser**()

#### Methods

(continued from last page)

## getPosition

```
public Position getPosition()
```

Getter for the field position.

**Returns:**

a [Position](#) object.

---

## setPosition

```
public void setPosition(Position position)
```

Setter for the field position.

**Parameters:**

position - a [Position](#) object.

---

## getUser

```
public User getUser()
```

Getter for the field user.

**Returns:**

a [User](#) object.

---

## setUser

```
public void setUser(User user)
```

Setter for the field user.

**Parameters:**

user - a [User](#) object.

---

## equals

```
public boolean equals(java.lang.Object o)
```

---

## hashCode

```
public int hashCode()
```

---

## toString

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

---

## io.reneses.tela.modules.instagram.models

### Class User

java.lang.Object

└-io.reneses.tela.modules.instagram.models.User

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

User class.

#### Constructor Summary

public	<a href="#">User()</a>
--------	------------------------

#### Method Summary

boolean	<a href="#">equals()</a> ( java.lang.Object o)
java.lang.String	<a href="#">getBio()</a> Getter for the field bio.
<a href="#">Counts</a>	<a href="#">getCounts()</a> Getter for the field counts.
java.lang.String	<a href="#">getFullName()</a> Getter for the field fullName.
long	<a href="#">getId()</a> Getter for the field id.
java.lang.String	<a href="#">getPicture()</a> Getter for the field picture.
java.lang.String	<a href="#">getUsername()</a> Getter for the field username.
java.lang.String	<a href="#">getWebsite()</a> Getter for the field website.
int	<a href="#">hashCode()</a>
void	<a href="#">setBio()</a> ( java.lang.String bio) Setter for the field bio.
void	<a href="#">setCounts()</a> ( <a href="#">Counts</a> counts) Setter for the field counts.
void	<a href="#">setFullName()</a> ( java.lang.String fullName) Setter for the field fullName.
void	<a href="#">setId()</a> ( long id) Setter for the field id.

void	<a href="#">setPicture</a> (java.lang.String picture) Setter for the field picture.
void	<a href="#">setUsername</a> (java.lang.String username) Setter for the field username.
void	<a href="#">setWebsite</a> (java.lang.String website) Setter for the field website.
java.lang.String	<a href="#">toString</a> ()

**Methods inherited from class** java.lang.Object

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

## Constructors

### User

```
public User()
```

## Methods

### getUsername

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

Getter for the field username.

**Returns:**

a java.lang.String object.

### setUsername

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

Setter for the field username.

**Parameters:**

username - a java.lang.String object.

### getBio

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

Getter for the field bio.

**Returns:**

a java.lang.String object.



(continued from last page)

## setBio

```
public void setBio(java.lang.String bio)
```

Setter for the field bio.

### Parameters:

bio - a java.lang.String object.

---

## getWebsite

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

Getter for the field website.

### Returns:

a java.lang.String object.

---

## setWebsite

```
public void setWebsite(java.lang.String website)
```

Setter for the field website.

### Parameters:

website - a java.lang.String object.

---

## getPicture

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

Getter for the field picture.

### Returns:

a java.lang.String object.

---

## setPicture

```
public void setPicture(java.lang.String picture)
```

Setter for the field picture.

### Parameters:

picture - a java.lang.String object.

---

## getFullName

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

Getter for the field fullName.

### Returns:

a java.lang.String object.

---

## setFullName

```
public void setFullName(java.lang.String fullName)
```

---

(continued from last page)

Setter for the field `fullName`.

**Parameters:**

`fullName` - a `java.lang.String` object.

---

**getId**

```
public long getId()
```

Getter for the field `id`.

**Returns:**

a `long`.

---

**setId**

```
public void setId(long id)
```

Setter for the field `id`.

**Parameters:**

`id` - a `long`.

---

**getCounts**

```
public Counts getCounts()
```

Getter for the field `counts`.

**Returns:**

a [Counts](#) object.

---

**setCounts**

```
public void setCounts(Counts counts)
```

Setter for the field `counts`.

**Parameters:**

`counts` - a [Counts](#) object.

---

**toString**

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

---

**equals**

```
public boolean equals(java.lang.Object o)
```

---

**hashCode**

```
public int hashCode()
```

---

## io.reneses.tela.modules.instagram.models

### Class UserRelationship

java.lang.Object

└-io.reneses.tela.modules.instagram.models.UserRelationship

public class **UserRelationship**  
extends java.lang.Object

UserRelationship class.

#### Nested Class Summary

class	<a href="#">UserRelationship.Incoming</a> UserRelationship.Incoming
class	<a href="#">UserRelationship.Outgoing</a> UserRelationship.Outgoing

#### Constructor Summary

public	<a href="#">UserRelationship()</a> Constructor for UserRelationship.
--------	---

#### Method Summary

boolean	<a href="#">equals</a> (java.lang.Object o)
java.util.Date	<a href="#">getCreatedAt</a> () Getter for the field createdAt.
<a href="#">UserRelationship.Incoming</a>	<a href="#">getIncoming</a> () Getter for the field incoming.
<a href="#">UserRelationship.Outgoing</a>	<a href="#">getOutgoing</a> () Getter for the field outgoing.
int	<a href="#">hashCode</a> ()
boolean	<a href="#">isTargetUserIsPrivate</a> () isTargetUserIsPrivate.
void	<a href="#">setCreatedAt</a> (java.util.Date createdAt) Setter for the field createdAt.
void	<a href="#">setIncoming</a> (java.lang.String incomingRelationship) Setter for the field incoming.
void	<a href="#">setIncoming</a> ( <a href="#">UserRelationship.Incoming</a> incomingRelationship) Setter for the field incoming.
void	<a href="#">setOutgoing</a> (java.lang.String outgoingRelationship) Setter for the field outgoing.

void	<a href="#">setOutgoing</a> ( <a href="#">UserRelationship.Outgoing</a> outgoingRelationship) Setter for the field outgoing.
void	<a href="#">setTargetUserIsPrivate</a> (boolean targetUserIsPrivate) Setter for the field targetUserIsPrivate.
java.lang.String	<a href="#">toString</a> ()

#### Methods inherited from class java.lang.Object

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

## Constructors

### UserRelationship

```
public UserRelationship()
```

Constructor for UserRelationship.

## Methods

### getOutgoing

```
public UserRelationship.Outgoing getOutgoing()
```

Getter for the field outgoing.

#### Returns:

a [UserRelationship.Outgoing](#) object.

### setOutgoing

```
public void setOutgoing(UserRelationship.Outgoing outgoingRelationship)
```

Setter for the field outgoing.

#### Parameters:

outgoingRelationship - a [UserRelationship.Outgoing](#) object.

### setOutgoing

```
public void setOutgoing(java.lang.String outgoingRelationship)
```

Setter for the field outgoing.

#### Parameters:

outgoingRelationship - a java.lang.String object.

### getIncoming

```
public UserRelationship.Incoming getIncoming()
```

Getter for the field incoming.

(continued from last page)

**Returns:**a [UserRelationship.Incoming](#) object.

---

**setIncoming**

```
public void setIncoming(UserRelationship.Incoming incomingRelationship)
```

Setter for the field incoming.

**Parameters:**incomingRelationship - a [UserRelationship.Incoming](#) object.

---

**setIncoming**

```
public void setIncoming(java.lang.String incomingRelationship)
```

Setter for the field incoming.

**Parameters:**

incomingRelationship - a java.lang.String object.

---

**isTargetUserIsPrivate**

```
public boolean isTargetUserIsPrivate()
```

isTargetUserIsPrivate.

**Returns:**

a boolean.

---

**setTargetUserIsPrivate**

```
public void setTargetUserIsPrivate(boolean targetUserIsPrivate)
```

Setter for the field targetUserIsPrivate.

**Parameters:**

targetUserIsPrivate - a boolean.

---

**getCreatedAt**

```
public java.util.Date getCreatedAt()
```

Getter for the field createdAt.

**Returns:**

a java.util.Date object.

---

**setCreatedAt**

```
public void setCreatedAt(java.util.Date createdAt)
```

Setter for the field createdAt.

**Parameters:**

createdAt - a java.util.Date object.

---

## toString

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

---

## equals

```
public boolean equals(java.lang.Object o)
```

---

## hashCode

```
public int hashCode()
```

## io.reneses.tela.modules.instagram.models

### Class UserRelationship.Outgoing

```
java.lang.Object
```

```
└-- java.lang.Enum
```

```
└-- io.reneses.tela.modules.instagram.models.UserRelationship.Outgoing
```

#### All Implemented Interfaces:

```
java.io.Serializable, java.lang.Comparable
```

```
public static final class UserRelationship.Outgoing
extends java.lang.Enum
```

#### Field Summary

public static final	<a href="#">FOLLOWS</a>
public static final	<a href="#">NONE</a>
public static final	<a href="#">REQUESTED</a>

#### Method Summary

static <a href="#">UserRelationship.Outgoing</a>	<a href="#">fromString</a> (java.lang.String text)
java.lang.String	<a href="#">toString</a> ()
static <a href="#">UserRelationship.Outgoing</a>	<a href="#">valueOf</a> (java.lang.String name)
static <a href="#">UserRelationship.Outgoing[]</a>	<a href="#">values</a> ()

#### Methods inherited from class java.lang.Enum

```
clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal,
toString, valueOf
```

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface java.lang.Comparable

```
compareTo
```

## Fields

### FOLLOWS

```
public static final io.reneses.tela.modules.instagram.models.UserRelationship.Outgoing  
FOLLOWS
```

---

### REQUESTED

```
public static final io.reneses.tela.modules.instagram.models.UserRelationship.Outgoing  
REQUESTED
```

---

### NONE

```
public static final io.reneses.tela.modules.instagram.models.UserRelationship.Outgoing  
NONE
```

## Methods

### values

```
public static UserRelationship.Outgoing\[\] values()
```

---

### valueOf

```
public static UserRelationship.Outgoing valueOf(java.lang.String name)
```

---

### toString

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

---

### fromString

```
public static UserRelationship.Outgoing fromString(java.lang.String text)
```



## io.reneses.tela.modules.instagram.models

### Class UserRelationship.Incoming

```
java.lang.Object
```

```
└- java.lang.Enum
```

```
└- io.reneses.tela.modules.instagram.models.UserRelationship.Incoming
```

#### All Implemented Interfaces:

```
java.io.Serializable, java.lang.Comparable
```

```
public static final class UserRelationship.Incoming
extends java.lang.Enum
```

### Field Summary

public static final	<a href="#">BLOCKED</a>
public static final	<a href="#">FOLLOWED_BY</a>
public static final	<a href="#">NONE</a>
public static final	<a href="#">REQUESTED_BY</a>

### Method Summary

static <a href="#">UserRelationship.Incoming</a>	<a href="#">fromString</a> (java.lang.String text)
java.lang.String	<a href="#">toString</a> ()
static <a href="#">UserRelationship.Incoming</a>	<a href="#">valueOf</a> (java.lang.String name)
static <a href="#">UserRelationship.Incoming[]</a>	<a href="#">values</a> ()

#### Methods inherited from class java.lang.Enum

```
clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal,
toString, valueOf
```

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface java.lang.Comparable

```
compareTo
```

---

## Fields

### **FOLLOWED\_BY**

```
public static final io.reneses.tela.modules.instagram.models.UserRelationship.Incoming  
FOLLOWED_BY
```

---

### **REQUESTED\_BY**

```
public static final io.reneses.tela.modules.instagram.models.UserRelationship.Incoming  
REQUESTED_BY
```

---

### **BLOCKED**

```
public static final io.reneses.tela.modules.instagram.models.UserRelationship.Incoming  
BLOCKED
```

---

### **NONE**

```
public static final io.reneses.tela.modules.instagram.models.UserRelationship.Incoming  
NONE
```

## Methods

### **values**

```
public static UserRelationship.Incoming\[\] values()
```

---

### **valueOf**

```
public static UserRelationship.Incoming valueOf(java.lang.String name)
```

---

### **toString**

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

---

### **fromString**

```
public static UserRelationship.Incoming fromString(java.lang.String text)
```

(continued from last page)

---

Package

**io.reneses.tela.modules.instagram.repositories**

## io.reneses.tela.modules.instagram.repositories

### Class AbstractOrientRepository

java.lang.Object

└io.reneses.tela.modules.instagram.repositories.AbstractOrientRepository

Direct Known Subclasses:

[OrientCommentRepository](#), [OrientMediaRepository](#), [OrientUserRepository](#)

abstract class **AbstractOrientRepository**  
extends java.lang.Object

Common OrientDB repository which retrieves an instance of a OrientGraphWrapper

#### Field Summary

protected final	<a href="#">telaGraph</a>
-----------------	---------------------------

#### Constructor Summary

	<a href="#">AbstractOrientRepository()</a>
--	--

Methods inherited from class java.lang.Object

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

#### Fields

##### telaGraph

protected final io.reneses.tela.core.databases.orientdb.OrientGraphWrapper **telaGraph**

#### Constructors

##### AbstractOrientRepository

**AbstractOrientRepository()**

# io.reneses.tela.modules.instagram.repositories

## Interface CommentRepository

All Known Implementing Classes:

[OrientCommentRepository](#)

public interface **CommentRepository**  
extends

Repository for Comment objects

### Method Summary

abstract void	<a href="#">createOrUpdate</a> ( <a href="#">Comment</a> comment) Create or update a comment
abstract <a href="#">Comment</a>	<a href="#">find</a> (long commentId) Find the comment with the given ID
abstract java.util.List	<a href="#">findAll</a> (java.lang.String mediaId) Find all the comments of a media
abstract void	<a href="#">setComments</a> (java.lang.String mediaId, java.lang.Iterable comments) Add comments to a media

### Methods

#### find

public abstract [Comment](#) **find**(long commentId)

Find the comment with the given ID

**Parameters:**

commentId - Comment ID

**Returns:**

Comment

#### findAll

public abstract java.util.List **findAll**(java.lang.String mediaId)

Find all the comments of a media

**Parameters:**

mediaId - ID of the media

**Returns:**

Comments of the given media

(continued from last page)

## createOrUpdate

```
public abstract void createOrUpdate(Comment comment)
```

Create or update a comment

### Parameters:

`comment` - Comment to be created or updated

---

## setComments

```
public abstract void setComments(java.lang.String mediaId,  
    java.lang.Iterable comments)
```

Add comments to a media

### Parameters:

`mediaId` - Media ID

`comments` - Comments to add

# io.reneses.tela.modules.instagram.repositories

## Interface MediaRepository

All Known Implementing Classes:

[OrientMediaRepository](#)

public interface **MediaRepository**  
extends

Repository for Media object

### Method Summary

abstract void	<a href="#">createOrUpdate</a> ( <a href="#">Media</a> media) Create or update a media
abstract <a href="#">Media</a>	<a href="#">find</a> (java.lang.String mediaId) Find a media given its ID
abstract java.util.List	<a href="#">findAll</a> (long userId) Find all the media posted by a user
abstract java.util.List	<a href="#">findLatest</a> (long userId, int limit) Find the latest media of a user
abstract java.util.List	<a href="#">findLikes</a> (java.lang.String mediaId) Find all the likes of a media
abstract void	<a href="#">setLikes</a> (java.lang.String mediaId, java.util.List likes) Store the likes of a media

### Methods

#### find

public abstract [Media](#) **find**(java.lang.String mediaId)

Find a media given its ID

**Parameters:**

mediaId - Media ID

**Returns:**

Media

#### findAll

public abstract java.util.List **findAll**(long userId)

Find all the media posted by a user

**Parameters:**

userId - User ID



(continued from last page)

**Returns:**Media posted by the given user

---

**findLatest**

```
public abstract java.util.List findLatest(long userId,
                                           int limit)
```

Find the latest media of a user

**Parameters:**

userId - User ID

limit - Maximum number of media to return

**Returns:**Latest media of the given user

---

**createOrUpdate**

```
public abstract void createOrUpdate(Media media)
```

Create or update a media

**Parameters:**media - Media

---

**setLikes**

```
public abstract void setLikes(java.lang.String mediaId,
                               java.util.List likes)
```

Store the likes of a media

**Parameters:**

mediaId - Media ID

likes - Likes

---

**findLikes**

```
public abstract java.util.List findLikes(java.lang.String mediaId)
```

Find all the likes of a media

**Parameters:**

mediaId - Media ID

**Returns:**User who have liked the given media

---

## io.reneses.tela.modules.instagram.repositories

### Class OrientCommentRepository

java.lang.Object

```

  |
+-io.reneses.tela.modules.instagram.repositories.AbstractOrientRepository
  |
+-io.reneses.tela.modules.instagram.repositories.OrientCommentRepository

```

All Implemented Interfaces:

[CommentRepository](#)

public class **OrientCommentRepository**

extends [AbstractOrientRepository](#)

implements [CommentRepository](#)

OrientDB implementation of a CommentRepository

#### Fields inherited from class

[io.reneses.tela.modules.instagram.repositories.AbstractOrientRepository](#)

[telaGraph](#)

### Constructor Summary

public [OrientCommentRepository](#)()

### Method Summary

void [createOrUpdate](#)([Comment](#) comment)

static  
com.tinkerpop.blueprints.impls.orient.OrientVertex  
[createOrUpdateCommentVertex](#)([OrientGraphWrapper](#) telaGraph,  
com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, [Comment](#)  
comment)

[Comment](#) [find](#)(long commentId)

java.util.List [findAll](#)(java.lang.String mediaId)

static [Comment](#) [mapCommentVertex](#)([OrientGraphWrapper](#) telaGraph,  
com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
com.tinkerpop.blueprints.Vertex vertex, boolean mapUser)

void [setComments](#)(java.lang.String mediaId, java.lang.Iterable comments)

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface

[io.reneses.tela.modules.instagram.repositories.CommentRepository](#)

[createOrUpdate](#), [find](#), [findAll](#), [setComments](#)

---

## Constructors

### OrientCommentRepository

```
public OrientCommentRepository()
```

## Methods

### mapCommentVertex

```
static Comment mapCommentVertex(OrientGraphWrapper telaGraph,  
    com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
    com.tinkerpop.blueprints.Vertex vertex,  
    boolean mapUser)
```

---

### createOrUpdateCommentVertex

```
static com.tinkerpop.blueprints.impls.orient.OrientVertex  
createOrUpdateCommentVertex(OrientGraphWrapper telaGraph,  
    com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
    Comment comment)
```

---

### find

```
public Comment find(long commentId)
```

---

### findAll

```
public java.util.List findAll(java.lang.String mediaId)
```

---

### createOrUpdate

```
public void createOrUpdate(Comment comment)
```

---

### setComments

```
public void setComments(java.lang.String mediaId,  
    java.lang.Iterable comments)
```

# io.reneses.tela.modules.instagram.repositories

## Class OrientMediaRepository

java.lang.Object

```

  |
  +--io.reneses.tela.modules.instagram.repositories.AbstractOrientRepository
      |
      +--io.reneses.tela.modules.instagram.repositories.OrientMediaRepository
  
```

All Implemented Interfaces:

[MediaRepository](#)

public class **OrientMediaRepository**

extends [AbstractOrientRepository](#)

implements [MediaRepository](#)

OrientDB implementation of a MediaRepository

### Fields inherited from class

[io.reneses.tela.modules.instagram.repositories.AbstractOrientRepository](#)

[telaGraph](#)

## Constructor Summary

public [OrientMediaRepository](#)()

## Method Summary

void [createOrUpdate](#)([Media](#) media)

[Media](#) [find](#)(java.lang.String mediaId)

java.util.List [findAll](#)(long userId)

java.util.List [findLatest](#)(long userId, int count)

java.util.List [findLikes](#)(java.lang.String mediaId)

static  
com.tinkerpop.blueprints.impls.orient.OrientVertex  
[findMediaVertex](#)([OrientGraphWrapper](#) telaGraph,  
com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
java.lang.String mediaId)

void [setLikes](#)(java.lang.String mediaId, java.util.List likes)

### Methods inherited from class java.lang.Object

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

### Methods inherited from interface [io.reneses.tela.modules.instagram.repositories.MediaRepository](#)

[createOrUpdate](#), [find](#), [findAll](#), [findLatest](#), [findLikes](#), [setLikes](#)

---

## Constructors

### OrientMediaRepository

```
public OrientMediaRepository()
```

## Methods

### findMediaVertex

```
static com.tinkerpop.blueprints.impls.orient.OrientVertex  
findMediaVertex(OrientGraphWrapper telaGraph,  
                 com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
                 java.lang.String mediaId)
```

---

### createOrUpdate

```
public void createOrUpdate(Media media)
```

---

### setLikes

```
public void setLikes(java.lang.String mediaId,  
                     java.util.List likes)
```

---

### findLikes

```
public java.util.List findLikes(java.lang.String mediaId)
```

---

### find

```
public Media find(java.lang.String mediaId)
```

---

### findAll

```
public java.util.List findAll(long userId)
```

---

(continued from last page)

**findLatest**

```
public java.util.List findLatest(long userId,  
    int count)
```

## io.reneses.tela.modules.instagram.repositories

### Class OrientUserRepository

java.lang.Object



All Implemented Interfaces:

[UserRepository](#)

public class **OrientUserRepository**

extends [AbstractOrientRepository](#)

implements [UserRepository](#)

OrientDB implementation of a UserRepository

#### Fields inherited from class

[io.reneses.tela.modules.instagram.repositories.AbstractOrientRepository](#)

[telaGraph](#)

### Constructor Summary

public [OrientUserRepository](#)()

### Method Summary

java.util.List [counts](#)(long userId)

void [createOrUpdate](#)([User](#) user)

static  
com.tinkerpop.blueprints.impls.orient.OrientVertex  
[createOrUpdateUserVertex](#)([OrientGraphWrapper](#) telaGraph,  
com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, [User](#) user)

void [createRelationship](#)([User](#) source, [UserRelationship](#) relationship, long  
targetId)

[User](#) [find](#)(long userId)

[User](#) [find](#)(long userId, boolean withCount)

[User](#) [find](#)(java.lang.String username)

[User](#) [find](#)(java.lang.String username, boolean withCount)

java.util.List [findAll](#)()

java.util.List [findAll](#)(boolean withCount)

java.util.List	<a href="#">findFollowers</a> (long followedId)
java.util.List	<a href="#">findFollowing</a> (long followingId)
java.util.List	<a href="#">findFriends</a> (long userId)
static <a href="#">Counts</a>	<a href="#">findLatestCounts</a> ( <a href="#">OrientGraphWrapper</a> telaGraph, com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, long userId)
<a href="#">UserRelationship</a>	<a href="#">findLatestRelationship</a> (long sourceUserId, long targetUserId)
java.util.List	<a href="#">findRelationships</a> (long sourceUserId, long targetUserId)
static com.tinkerpop.blueprints.impls.orient.OrientVertex	<a href="#">findUserVertex</a> ( <a href="#">OrientGraphWrapper</a> telaGraph, com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, long userId)
static <a href="#">User</a>	<a href="#">mapUserVertex</a> ( <a href="#">OrientGraphWrapper</a> telaGraph, com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, com.tinkerpop.blueprints.Vertex vertex, boolean crawlCount)
void	<a href="#">setFollowers</a> (java.util.List followers, <a href="#">User</a> followed)
void	<a href="#">setFollowing</a> ( <a href="#">User</a> follower, java.util.List following)

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface [io.reneses.tela.modules.instagram.repositories.UserRepository](#)

[counts](#), [createOrUpdate](#), [createRelationship](#), [find](#), [find](#), [find](#), [find](#), [findAll](#), [findAll](#), [findFollowers](#), [findFollowing](#), [findFriends](#), [findLatestRelationship](#), [findRelationships](#), [setFollowers](#), [setFollowing](#)

## Constructors

### OrientUserRepository

```
public OrientUserRepository()
```

## Methods

### findUserVertex

```
static com.tinkerpop.blueprints.impls.orient.OrientVertex
findUserVertex(OrientGraphWrapper telaGraph,
               com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,
               long userId)
```



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---

## createOrUpdateUserVertex

```
static com.tinkerpop.blueprints.impls.orient.OrientVertex  
createOrUpdateUserVertex(OrientGraphWrapper telaGraph,  
                           com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
                           User user)
```

---

## findLatestCounts

```
static Counts findLatestCounts(OrientGraphWrapper telaGraph,  
                               com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
                               long userId)
```

---

## mapUserVertex

```
static User mapUserVertex(OrientGraphWrapper telaGraph,  
                           com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,  
                           com.tinkerpop.blueprints.Vertex vertex,  
                           boolean crawlCount)
```

---

## find

```
public User find(long userId,  
                boolean withCount)
```

---

## find

```
public User find(long userId)
```

---

## find

```
public User find(java.lang.String username,  
                boolean withCount)
```

---

## find

```
public User find(java.lang.String username)
```

---

## findAll

```
public java.util.List findAll(boolean withCount)
```

---

---

## findAll

```
public java.util.List findAll()
```

---

## createOrUpdate

```
public void createOrUpdate(User user)
```

---

## setFollowers

```
public void setFollowers(java.util.List followers,  
    User followed)
```

---

## setFollowing

```
public void setFollowing(User follower,  
    java.util.List following)
```

---

## findFollowers

```
public java.util.List findFollowers(long followedId)
```

---

## findFollowing

```
public java.util.List findFollowing(long followingId)
```

---

## findFriends

```
public java.util.List findFriends(long userId)
```

---

## counts

```
public java.util.List counts(long userId)
```

---

## createRelationship

```
public void createRelationship(User source,  
    UserRelationship relationship,  
    long targetId)
```

---

---

## findLatestRelationship

```
public UserRelationship findLatestRelationship(long sourceUserId,  
                                              long targetUserId)
```

---

## findRelationships

```
public java.util.List findRelationships(long sourceUserId,  
                                       long targetUserId)
```

# io.reneses.tela.modules.instagram.repositories

## Interface UserRepository

All Known Implementing Classes:

[OrientUserRepository](#)

public interface **UserRepository**  
extends

Repository for User objects

### Method Summary

abstract java.util.List	<a href="#">counts</a> (long userId) Obtain the counts of a user
abstract void	<a href="#">createOrUpdate</a> ( <a href="#">User</a> user) Create a user
abstract void	<a href="#">createRelationship</a> ( <a href="#">User</a> source, <a href="#">UserRelationship</a> relationship, long targetId) Create and store a relationship between two users
abstract <a href="#">User</a>	<a href="#">find</a> (long userId) Find a user
abstract <a href="#">User</a>	<a href="#">find</a> (long userId, boolean withCount) Find a user
abstract <a href="#">User</a>	<a href="#">find</a> (java.lang.String username) Find a user
abstract <a href="#">User</a>	<a href="#">find</a> (java.lang.String username, boolean withCount) Find a user
abstract java.util.List	<a href="#">findAll</a> () Find all the users
abstract java.util.List	<a href="#">findAll</a> (boolean withCount) Find all the users
abstract java.util.List	<a href="#">findFollowers</a> (long followedId) Find the followers of a user
abstract java.util.List	<a href="#">findFollowing</a> (long followerId) Find the users a user is following
abstract java.util.List	<a href="#">findFriends</a> (long userId) Find the friends of a user (intersection of followers and following)
abstract <a href="#">UserRelationship</a>	<a href="#">findLatestRelationship</a> (long sourceUserId, long targetUserId) Create and store a relationship between two users
abstract java.util.List	<a href="#">findRelationships</a> (long sourceUserId, long targetUserId) Create and store a relationship between two users

abstract void	<a href="#">setFollowers</a> (java.util.List followers, <a href="#">User</a> followed) Store the followers of a user
abstract void	<a href="#">setFollowing</a> ( <a href="#">User</a> follower, java.util.List followed) Store the users that one user is following

## Methods

### find

```
public abstract User find(long userId,  
    boolean withCount)
```

Find a user

**Parameters:**

userId - User ID

withCount - Whether the latest UserCount should be retrieved or not

**Returns:**

User with the given ID

### find

```
public abstract User find(long userId)
```

Find a user

**Parameters:**

userId - User ID

**Returns:**

User with the given ID

### find

```
public abstract User find(java.lang.String username,  
    boolean withCount)
```

Find a user

**Parameters:**

username - User username

withCount - Whether the latest UserCount should be retrieved or not

**Returns:**

User with the given username

### find

```
public abstract User find(java.lang.String username)
```

Find a user

**Parameters:**

username - User username

(continued from last page)

**Returns:**User with the given username

---

**findAll**

```
public abstract java.util.List findAll(boolean withCount)
```

Find all the users

**Parameters:**

withCount - Whether the latest UserCount should be retrieved or not

**Returns:**All the users

---

**findAll**

```
public abstract java.util.List findAll()
```

Find all the users

**Returns:**All the users

---

**createOrUpdate**

```
public abstract void createOrUpdate(User user)
```

Create a user

**Parameters:**user - User

---

**setFollowers**

```
public abstract void setFollowers(java.util.List followers,  
    User followed)
```

Store the followers of a user

**Parameters:**

followers - Followers

followed - User being followed

---

**setFollowing**

```
public abstract void setFollowing(User follower,  
    java.util.List followed)
```

Store the users that one user is following

**Parameters:**

follower - Follower

followed - Users being followed

---

(continued from last page)

## findFollowers

```
public abstract java.util.List findFollowers(long followedId)
```

Find the followers of a user

**Parameters:**

followedId - Followed user ID

**Returns:**

Followers of the user

---

## findFollowing

```
public abstract java.util.List findFollowing(long followerId)
```

Find the users a user is following

**Parameters:**

followerId - Follower user ID

**Returns:**

Users being followed

---

## findFriends

```
public abstract java.util.List findFriends(long userId)
```

Find the friends of a user (intersection of followers and following)

**Parameters:**

userId - User ID

**Returns:**

Friends of the given user

---

## counts

```
public abstract java.util.List counts(long userId)
```

Obtain the counts of a user

**Parameters:**

userId - User ID

**Returns:**

Counts of the given user

---

## createRelationship

```
public abstract void createRelationship(User source,  
    UserRelationship relationship,  
    long targetId)
```

Create and store a relationship between two users

**Parameters:**

source - Source user

relationship - Relationship between both user

---

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targetId - Target ID

---

## findLatestRelationship

```
public abstract UserRelationship findLatestRelationship(long sourceUserId,  
long targetUserId)
```

Create and store a relationship between two users

### Parameters:

sourceUserId - Source user ID

targetUserId - Target user ID

### Returns:

Latest relationship between two users

---

## findRelationships

```
public abstract java.util.List findRelationships(long sourceUserId,  
long targetUserId)
```

Create and store a relationship between two users

### Parameters:

sourceUserId - Source user ID

targetUserId - Target user ID

### Returns:

Latest relationship between two users

---



---

**Package**

**io.reneses.tela.modules.twitter**

# io.reneses.tela.modules.twitter

## Class TwitterTelaModule

```
java.lang.Object
```

```
├--io.reneses.tela.modules.TelaModule
│   └--io.reneses.tela.modules.twitter.TwitterTelaModule
```

```
public class TwitterTelaModule
extends TelaModule
```

Tela Module for Twitter

### Field Summary

public static final	<a href="#">NAME</a> Constant NAME="twitter" Value: <b>twitter</b>
---------------------	--

### Constructor Summary

public	<a href="#">TwitterTelaModule()</a> Constructor for TwitterTelaModule.
--------	---

### Methods inherited from class [io.reneses.tela.modules.TelaModule](#)

[getExtensions](#), [getName](#), [setExtensions](#), [setName](#)

### Methods inherited from class java.lang.Object

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

## Fields

### NAME

```
public static final java.lang.String NAME
```

Constant NAME="twitter"  
Constant value: **twitter**

## Constructors

### TwitterTelaModule

```
public TwitterTelaModule()
```

Constructor for TwitterTelaModule.

---

**Package**

**io.reneses.tela.modules.twitter.actions**

# io.reneses.tela.modules.twitter.actions

## Class UserActions

```
java.lang.Object
└--io.reneses.tela.modules.twitter.actions.UserActions
```

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

Actions related with users

### Constructor Summary

public	<a href="#">UserActions</a> ( <a href="#">AbstractTwitterApiWrapper</a> api) Constructor with DI
public	<a href="#">UserActions</a> () The default constructor is required for the action dispatcher

### Method Summary

java.util.List	<a href="#">followers</a> (java.lang.String token, java.lang.String username) Retrieve the followers of a user
java.util.List	<a href="#">followers</a> (java.lang.String token, java.lang.String username, int limit) Retrieve the followers of a user
java.util.List	<a href="#">following</a> (java.lang.String token, java.lang.String username) Retrieve the user a user is following
java.util.List	<a href="#">following</a> (java.lang.String token, java.lang.String username, int limit) Retrieve the user a user is following
java.util.List	<a href="#">friends</a> (java.lang.String token, java.lang.String username) Retrieve the friends of a user (intersection between followers and following)
<a href="#">User</a>	<a href="#">self</a> (java.lang.String token) Retrieve information about the logged user
<a href="#">User</a>	<a href="#">user</a> (java.lang.String token, java.lang.String username) Retrieve information about tha user

### Methods inherited from class java.lang.Object

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

### Constructors

#### UserActions

```
public UserActions(AbstractTwitterApiWrapper api)
```

(continued from last page)

Constructor with DI

**Parameters:**

api - API Wrapper

---

## UserActions

```
public UserActions()
```

The default constructor is required for the action dispatcher

## Methods

### self

```
public User self(java.lang.String token)
    throws TwitterException
```

Retrieve information about the logged user

**Parameters:**

token - Access token

**Returns:**

Logged user

**Throws:**

[TwitterException](#) - if any.

---

### user

```
public User user(java.lang.String token,
    java.lang.String username)
    throws TwitterException
```

Retrieve information about the user

**Parameters:**

token - Access token

username - Username

**Returns:**

User with the given username

**Throws:**

[TwitterException](#) - if any.

---

### following

```
public java.util.List following(java.lang.String token,
    java.lang.String username,
    int limit)
    throws TwitterException
```

Retrieve the user a user is following

**Parameters:**

token - Access token

username - Username

(continued from last page)

limit - Number of followers to retrieve

**Returns:**

List of users the user is following

**Throws:**

[TwitterException](#) - if any.

---

## following

```
public java.util.List following(java.lang.String token,  
    java.lang.String username)  
throws TwitterException
```

Retrieve the user a user is following

**Parameters:**

token - Access token

username - Username

**Returns:**

List of users the user is following

**Throws:**

[TwitterException](#) - if any.

---

## followers

```
public java.util.List followers(java.lang.String token,  
    java.lang.String username,  
    int limit)  
throws TwitterException
```

Retrieve the followers of a user

**Parameters:**

token - Access token

username - Username

limit - Number of followers to retrieve

**Returns:**

List of followers

**Throws:**

[TwitterException](#) - if any.

---

## followers

```
public java.util.List followers(java.lang.String token,  
    java.lang.String username)  
throws TwitterException
```

Retrieve the followers of a user

**Parameters:**

token - Access token

username - Username

**Returns:**

List of followers

---

(continued from last page)

**Throws:**[TwitterException](#) - if any.

---

**friends**

```
public java.util.List friends(java.lang.String token,  
                               java.lang.String username)  
    throws TwitterException
```

Retrieve the friends of a user (intersection between followers and following)

**Parameters:**

token - Access token

username - Username

**Returns:**

User friends

**Throws:**

[TwitterException](#) - if any.

---

**Package**

**io.reneses.tela.modules.twitter.api**



## io.reneses.tela.modules.twitter.api

### Class AbstractTwitterApiWrapper

java.lang.Object

└-io.reneses.tela.modules.twitter.api.AbstractTwitterApiWrapper

All Implemented Interfaces:

[TwitterApi](#)

Direct Known Subclasses:

[TwitterApiWrapper](#)

public abstract class **AbstractTwitterApiWrapper**

extends java.lang.Object

implements [TwitterApi](#)

Wrapper for the Twitter API, storing the results

#### Field Summary

	<a href="#">accessTokenUsernameCache</a>
	<a href="#">api</a>
	<a href="#">history</a>
	<a href="#">repository</a>

#### Constructor Summary

	<a href="#">AbstractTwitterApiWrapper</a> ( <a href="#">TwitterApi</a> api, <a href="#">History</a> history) Constructor injecting the required components
--	---

#### Method Summary

abstract java.util.List	<a href="#">friends</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username) Retrieve the friends of a user (intersection between followers and following)
----------------------------	---

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface [io.reneses.tela.modules.twitter.api.TwitterApi](#)

[followers](#), [followers](#), [following](#), [following](#), [self](#), [user](#)

(continued from last page)

## Fields

### api

`io.reneses.tela.modules.twitter.api.TwitterApi` **api**

### repository

`io.reneses.tela.modules.twitter.repositories.UserRepository` **repository**

### history

`io.reneses.tela.core.history.History` **history**

### accessTokenUsernameCache

`io.reneses.tela.modules.twitter.cache.AccessTokenUsernameCache`  
**accessTokenUsernameCache**

## Constructors

### AbstractTwitterApiWrapper

**AbstractTwitterApiWrapper**([TwitterApi](#) api,  
[History](#) history)

Constructor injecting the required components

#### Parameters:

api - Twitter API  
history - History

## Methods

### friends

```
public abstract java.util.List friends(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username)  
throws TwitterException
```

Retrieve the friends of a user (intersection between followers and following)

#### Parameters:

apiKey - Api Key  
apiSecret - Api Secret  
token - Token  
tokenSecret - Token secret  
username - Username

(continued from last page)

**Returns:**

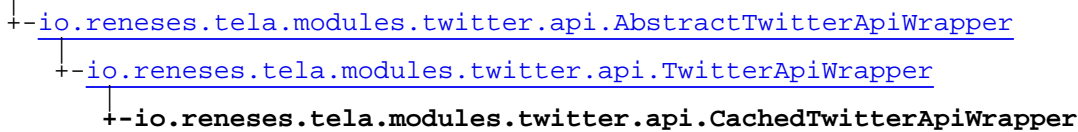
User friends

**Throws:**

[TwitterException](#) - if any.

## io.reneses.tela.modules.twitter.api Class CachedTwitterApiWrapper

java.lang.Object



All Implemented Interfaces:

[TwitterApi](#)

class **CachedTwitterApiWrapper**

extends [TwitterApiWrapper](#)

Cached version of the TwitterApiWrapper

Fields inherited from class [io.reneses.tela.modules.twitter.api.AbstractTwitterApiWrapper](#)

[accessTokenUsernameCache](#), [api](#), [history](#), [repository](#)

### Constructor Summary

[CachedTwitterApiWrapper](#)([TwitterApi](#) api, [History](#) history)

Constructor injecting the required components

### Method Summary

java.util.List	<a href="#">followers</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username, int limit)
----------------	---

java.util.List	<a href="#">following</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username, int limit)
----------------	---

java.util.List	<a href="#">friends</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username) Retrieve the friends of a user (intersection between followers and following)
----------------	---

<a href="#">User</a>	<a href="#">self</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret)
----------------------	--

<a href="#">User</a>	<a href="#">user</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)
----------------------	---

Methods inherited from class [io.reneses.tela.modules.twitter.api.TwitterApiWrapper](#)

[followers](#), [followers](#), [following](#), [following](#), [friends](#), [self](#), [user](#)

Methods inherited from class [io.reneses.tela.modules.twitter.api.AbstractTwitterApiWrapper](#)

[friends](#)**Methods inherited from class** `java.lang.Object`

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

**Methods inherited from interface** [io.reneses.tela.modules.twitter.api.TwitterApi](#)

[followers](#), [followers](#), [following](#), [following](#), [self](#), [user](#)

## Constructors

### CachedTwitterApiWrapper

```
CachedTwitterApiWrapper(TwitterApi api,  
                        History history)
```

Constructor injecting the required components

**Parameters:**

`api` - Twitter API

`history` - History

## Methods

### self

```
public User self(java.lang.String apiKey,  
                 java.lang.String apiSecret,  
                 java.lang.String token,  
                 java.lang.String tokenSecret)  
    throws TwitterException
```

### user

```
public User user(java.lang.String apiKey,  
                java.lang.String apiSecret,  
                java.lang.String token,  
                java.lang.String tokenSecret,  
                java.lang.String username)  
    throws TwitterException
```

### followers

```
public java.util.List followers(java.lang.String apiKey,  
                                java.lang.String apiSecret,  
                                java.lang.String token,  
                                java.lang.String tokenSecret,  
                                java.lang.String username,  
                                int limit)  
    throws TwitterException
```

---

## following

```
public java.util.List following(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username,  
    int limit)  
throws TwitterException
```

---

## friends

```
public java.util.List friends(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username)  
throws TwitterException
```

Retrieve the friends of a user (intersection between followers and following)

# io.reneses.tela.modules.twitter.api

## Interface TwitterApi

All Known Implementing Classes:

[AbstractTwitterApiWrapper](#), [TwitterApiImpl](#)

### interface TwitterApi

extends

Abstract Twitter API communicating with the Twitter platform This API does not offer the complete functionality of the Twitter API General documentation: <https://dev.twitter.com/rest/public> Create credentials: <https://apps.twitter.com/app/new> Auth flow to obtain an access token: <https://dev.twitter.com/oauth/application-only>

### Method Summary

abstract java.util.List	<a href="#">followers</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)  Retrieve the followers of a user Documentation: <a href="https://dev.twitter.com/rest/reference/get/followers/list">https://dev.twitter.com/rest/reference/get/followers/list</a>
abstract java.util.List	<a href="#">followers</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username, int limit)  Retrieve the followers of a user Documentation: <a href="https://dev.twitter.com/rest/reference/get/followers/list">https://dev.twitter.com/rest/reference/get/followers/list</a>
abstract java.util.List	<a href="#">following</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)  Retrieve the user a user is following Documentation: <a href="https://dev.twitter.com/rest/reference/get/friends/list">https://dev.twitter.com/rest/reference/get/friends/list</a>
abstract java.util.List	<a href="#">following</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username, int limit)  Retrieve the user a user is following Documentation: <a href="https://dev.twitter.com/rest/reference/get/friends/list">https://dev.twitter.com/rest/reference/get/friends/list</a>
abstract <a href="#">User</a>	<a href="#">self</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret)  Retrieve information about the logged user Documentation: <a href="https://dev.twitter.com/rest/reference/get/account/verify_credentials">https://dev.twitter.com/rest/reference/get/account/verify_credentials</a>
abstract <a href="#">User</a>	<a href="#">user</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)  Retrieve information about a user Documentation: <a href="https://dev.twitter.com/rest/reference/get/account/verify_credentials">https://dev.twitter.com/rest/reference/get/account/verify_credentials</a>

### Methods

(continued from last page)

## self

```
public abstract User self(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret)  
throws TwitterException
```

Retrieve information about the logged user Documentation: [https://dev.twitter.com/rest/reference/get/account/verify\\_credentials](https://dev.twitter.com/rest/reference/get/account/verify_credentials)

### Parameters:

apiKey - Api Key  
apiSecret - Api Secret  
token - Token  
tokenSecret - Token secret

### Returns:

Logged user

### Throws:

[TwitterException](#) - if any.

---

## user

```
public abstract User user(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username)  
throws TwitterException
```

Retrieve information about a user Documentation: [https://dev.twitter.com/rest/reference/get/account/verify\\_credentials](https://dev.twitter.com/rest/reference/get/account/verify_credentials)

### Parameters:

apiKey - Api Key  
apiSecret - Api Secret  
token - Token  
tokenSecret - Token secret  
username - Username

### Returns:

User with the given username

### Throws:

[TwitterException](#) - if any.

---

## followers

```
public abstract java.util.List followers(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username,  
    int limit)  
throws TwitterException
```

Retrieve the followers of a user Documentation: <https://dev.twitter.com/rest/reference/get/followers/list>

### Parameters:

apiKey - Api Key



(continued from last page)

apiSecret - Api Secret  
token - Token  
tokenSecret - Token secret  
username - Username  
limit - Number of followers to retrieve

**Returns:**

List of followers

**Throws:**

[TwitterException](#) - if any.

---

## followers

```
public abstract java.util.List followers(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username)  
throws TwitterException
```

Retrieve the followers of a user Documentation: <https://dev.twitter.com/rest/reference/get/followers/list>

**Parameters:**

apiKey - Api Key  
apiSecret - Api Secret  
token - Token  
tokenSecret - Token secret  
username - Username

**Returns:**

List of followers

**Throws:**

[TwitterException](#) - if any.

---

## following

```
public abstract java.util.List following(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username,  
    int limit)  
throws TwitterException
```

Retrieve the user a user is following Documentation: <https://dev.twitter.com/rest/reference/get/friends/list>

**Parameters:**

apiKey - Api Key  
apiSecret - Api Secret  
token - Token  
tokenSecret - Token secret  
username - Username  
limit - Number of followers to retrieve

**Returns:**

List of users the user is following

**Throws:**

[TwitterException](#) - if any.

## following

```
public abstract java.util.List following(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username)  
throws TwitterException
```

Retrieve the user a user is following Documentation: <https://dev.twitter.com/rest/reference/get/friends/list>

### Parameters:

apiKey - Api Key  
apiSecret - Api Secret  
token - Token  
tokenSecret - Token secret  
username - Username

### Returns:

List of users the user is following

### Throws:

[TwitterException](#) - if any.

## io.reneses.tela.modules.twitter.api

### Class TwitterApiImpl

java.lang.Object

└--io.reneses.tela.modules.twitter.api.TwitterApiImpl

All Implemented Interfaces:

[TwitterApi](#)

class **TwitterApiImpl**  
 extends java.lang.Object  
 implements [TwitterApi](#)

Twitter API implementation

### Constructor Summary

	<a href="#">TwitterApiImpl()</a>
--	----------------------------------

### Method Summary

java.util.List	<a href="#">followers</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)
java.util.List	<a href="#">followers</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username, int limit)
java.util.List	<a href="#">following</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)
java.util.List	<a href="#">following</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username, int limit)
java.lang.String	<a href="#">oAuthGetRequest</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String endpoint, java.lang.String[] params)
<a href="#">User</a>	<a href="#">self</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret)
<a href="#">User</a>	<a href="#">user</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)

### Methods inherited from class java.lang.Object

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

---

Methods inherited from interface [io.reneses.tela.modules.twitter.api.TwitterApi](#)

[followers](#), [followers](#), [following](#), [following](#), [self](#), [user](#)

---

## Constructors

### TwitterApiImpl

`TwitterApiImpl()`

## Methods

### oAuthGetRequest

```
java.lang.String oAuthGetRequest(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String endpoint,  
    java.lang.String[] params)  
throws java.io.IOException
```

---

### self

```
public User self(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret)  
throws TwitterException
```

---

### user

```
public User user(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username)  
throws TwitterException
```

---

### followers

```
public java.util.List followers(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username,  
    int limit)  
throws TwitterException
```

---

## followers

```
public java.util.List followers(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username)  
    throws TwitterException
```

---

## following

```
public java.util.List following(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username,  
    int limit)  
    throws TwitterException
```

---

## following

```
public java.util.List following(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username)  
    throws TwitterException
```

## io.reneses.tela.modules.twitter.api

### Class TwitterApiWrapper

java.lang.Object

└-[io.reneses.tela.modules.twitter.api.AbstractTwitterApiWrapper](#)  
 └-[io.reneses.tela.modules.twitter.api.TwitterApiWrapper](#)

All Implemented Interfaces:

[TwitterApi](#)

Direct Known Subclasses:

[CachedTwitterApiWrapper](#)

class **TwitterApiWrapper**

extends [AbstractTwitterApiWrapper](#)

Twitter API Wrapper implementation

Fields inherited from class [io.reneses.tela.modules.twitter.api.AbstractTwitterApiWrapper](#)

[accessTokenUsernameCache](#), [api](#), [history](#), [repository](#)

## Constructor Summary

[TwitterApiWrapper](#)([TwitterApi](#) api, [History](#) history)

Constructor injecting the required components

## Method Summary

java.util.List	<a href="#">followers</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)
----------------	--

java.util.List	<a href="#">followers</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username, int limit)
----------------	---

java.util.List	<a href="#">following</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)
----------------	--

java.util.List	<a href="#">following</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username, int limit)
----------------	---

java.util.List	<a href="#">friends</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)
----------------	--

Retrieve the friends of a user (intersection between followers and following)

<a href="#">User</a>	<a href="#">self</a> (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret)
----------------------	--

[User](#)

```
user(java.lang.String apiKey, java.lang.String apiSecret,
      java.lang.String token, java.lang.String tokenSecret, java.lang.String
      username)
```

Methods inherited from class [io.reneses.tela.modules.twitter.api.AbstractTwitterApiWrapper](#)

[friends](#)

Methods inherited from class `java.lang.Object`

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

Methods inherited from interface [io.reneses.tela.modules.twitter.api.TwitterApi](#)

[followers](#), [followers](#), [following](#), [following](#), [self](#), [user](#)

## Constructors

### TwitterApiWrapper

```
TwitterApiWrapper(TwitterApi api,
                  History history)
```

Constructor injecting the required components

#### Parameters:

`api` - Twitter API

`history` - History

## Methods

### self

```
public User self(java.lang.String apiKey,
                  java.lang.String apiSecret,
                  java.lang.String token,
                  java.lang.String tokenSecret)
    throws TwitterException
```

### user

```
public User user(java.lang.String apiKey,
                  java.lang.String apiSecret,
                  java.lang.String token,
                  java.lang.String tokenSecret,
                  java.lang.String username)
    throws TwitterException
```

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---

## followers

```
public java.util.List followers(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username,  
    int limit)  
throws TwitterException
```

---

## followers

```
public java.util.List followers(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username)  
throws TwitterException
```

---

## following

```
public java.util.List following(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username,  
    int limit)  
throws TwitterException
```

---

## following

```
public java.util.List following(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username)  
throws TwitterException
```

---

## friends

```
public java.util.List friends(java.lang.String apiKey,  
    java.lang.String apiSecret,  
    java.lang.String token,  
    java.lang.String tokenSecret,  
    java.lang.String username)  
throws TwitterException
```

Retrieve the friends of a user (intersection between followers and following)



io.reneses.tela.modules.twitter.api

# Class TwitterApiWrapperFactory

```
java.lang.Object
└--io.reneses.tela.modules.twitter.api.TwitterApiWrapperFactory
```

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

Factory in charge of creating a Twitter API Wrapper

## Constructor Summary

public	<a href="#">TwitterApiWrapperFactory()</a>
--------	--

## Method Summary

static <a href="#">AbstractTwitterApiWrapper</a>	<a href="#">create()</a> Get an instance of an Twitter API Wrapper with the default configuration regarding caching
static <a href="#">AbstractTwitterApiWrapper</a>	<a href="#">create(boolean cached)</a> Get an instance of an Twitter API Wrapper

## Methods inherited from class java.lang.Object

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

## Constructors

### TwitterApiWrapperFactory

```
public TwitterApiWrapperFactory()
```

## Methods

### create

```
public static AbstractTwitterApiWrapper create(boolean cached)
```

Get an instance of an Twitter API Wrapper

**Parameters:**  
cached - If a cached-enable instance should be created or not

**Returns:**  
Twitter API Wrapper

## create

```
public static AbstractTwitterApiWrapper create()
```

Get an instance of an Twitter API Wrapper with the default configuration regarding caching

**Returns:**

Twitter API Wrapper

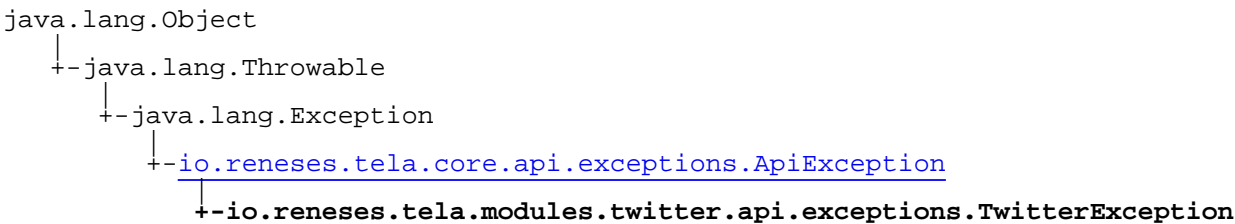
---

**Package**

**io.reneses.tela.modules.twitter.api.exceptions**

# io.reneses.tela.modules.twitter.api.exceptions

## Class TwitterException



All Implemented Interfaces:  
java.io.Serializable

public class **TwitterException**  
extends [ApiException](#)

Exception thrown by the Twitter API

Fields inherited from class java.lang.Exception	
serialVersionUID	

Constructor Summary	
public	<a href="#">TwitterException</a> (java.lang.String message, int code) Constructor for TwitterException.

Methods inherited from class <a href="#">io.reneses.tela.core.api.exceptions.ApiException</a>	
<a href="#">getStatusCode</a>	

Methods inherited from class java.lang.Throwable	
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getStackTraceDepth, getStackTraceElement, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString	

Methods inherited from class java.lang.Object	
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait	

## Constructors

**TwitterException**

```
public TwitterException(java.lang.String message,
                        int code)
```

Constructor for TwitterException.

(continued from last page)

**Parameters:**

message - Error message

code - Error code

---

**Package**

**io.reneses.tela.modules.twitter.api.model**  
**S**

## io.reneses.tela.modules.twitter.api.models

### Class ApiError

java.lang.Object

↳-io.reneses.tela.modules.twitter.api.models.ApiError

public class **ApiError**  
extends java.lang.Object

Error model

#### Constructor Summary

public	<a href="#">ApiError</a> (int code, java.lang.String message) Constructor
public	<a href="#">ApiError</a> () Default constructor needed for deserialziation

#### Method Summary

int	<a href="#">getCode</a> () Get error code
java.lang.String	<a href="#">getMessage</a> () Message getter
void	<a href="#">setCode</a> (int code) Set error code
void	<a href="#">setMessage</a> (java.lang.String message) Message setter
java.lang.String	<a href="#">toString</a> ()

#### Methods inherited from class java.lang.Object

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

#### Constructors

##### ApiError

```
public ApiError(int code,
                java.lang.String message)
```

Constructor

##### Parameters:

code - Code  
message - Message

## ApiError

```
public ApiError()
```

Default constructor needed for deserialiation

## Methods

### getMessage

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

Message getter

**Returns:**

Message

### setMessage

```
public void setMessage(java.lang.String message)
```

Message setter

**Parameters:**

message - Message

### getCode

```
public int getCode()
```

Get error code

**Returns:**

Code

### setCode

```
public void setCode(int code)
```

Set error code

**Parameters:**

code - Code

### toString

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



---

**Package**

**io.reneses.tela.modules.twitter.api.responses**

## io.reneses.tela.modules.twitter.api.responses

### Class UserResponse

java.lang.Object

└io.reneses.tela.modules.twitter.api.responses.UserResponse

public class **UserResponse**  
extends java.lang.Object

#### Constructor Summary

public	<a href="#">UserResponse()</a>
--------	--------------------------------

#### Method Summary

java.util.List	<a href="#">getErrors()</a> Get the error
<a href="#">User</a>	<a href="#">getUser()</a> Get the user
boolean	<a href="#">hasErrors()</a> Check if the response has errors
void	<a href="#">setErrors(java.util.List errors)</a> Set the errors
void	<a href="#">setUser(<a href="#">User</a> user)</a> Set the user

#### Methods inherited from class java.lang.Object

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

## Constructors

### UserResponse

public **UserResponse()**

## Methods

### hasErrors

public boolean **hasErrors()**

Check if the response has errors

(continued from last page)

**Returns:**Whether or not the request had any errors

---

**getErrors**

```
public java.util.List getErrors()
```

Get the error

**Returns:**Errors

---

**setErrors**

```
public void setErrors(java.util.List errors)
```

Set the errors

**Parameters:**errors - Errors

---

**getUser**

```
public User getUser()
```

Get the user

**Returns:**User

---

**setUser**

```
public void setUser(User user)
```

Set the user

**Parameters:**user - User

---

## io.reneses.tela.modules.twitter.api.responses

### Class UsersResponse

java.lang.Object

↳ io.reneses.tela.modules.twitter.api.responses.UsersResponse

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

Response containing a list of users

#### Constructor Summary

public	<a href="#">UsersResponse()</a>
--------	---------------------------------

#### Method Summary

java.util.List	<a href="#">getErrors()</a> Get the error
java.lang.String	<a href="#">getNextCursor()</a> Get the next cursor
java.util.List	<a href="#">getUsers()</a> Getter for the field users.
boolean	<a href="#">hasErrors()</a> Check if the response has errors
void	<a href="#">setErrors()</a> (java.util.List errors) Set the errors
void	<a href="#">setNextCursor()</a> (java.lang.String nextCursor) Set the next cursor
void	<a href="#">setUsers()</a> (java.util.List users) Setter for the field users.

#### Methods inherited from class java.lang.Object

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

#### Constructors

##### UsersResponse

```
public UsersResponse()
```

(continued from last page)

## Methods

### getUsers

```
public java.util.List getUsers()
```

Getter for the field users.

**Returns:**

a java.util.List object.

### setUsers

```
public void setUsers(java.util.List users)
```

Setter for the field users.

**Parameters:**

users - a java.util.List object.

### getNextCursor

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

Get the next cursor

**Returns:**

Next cursor

### setNextCursor

```
public void setNextCursor(java.lang.String nextCursor)
```

Set the next cursor

**Parameters:**

nextCursor - Next cursor

### hasErrors

```
public boolean hasErrors()
```

Check if the response has errors

**Returns:**

Whether or not the request had any errors

### getErrors

```
public java.util.List getErrors()
```

Get the error

**Returns:**

Errors

(continued from last page)

## **setErrors**

```
public void setErrors(java.util.List errors)
```

Set the errors

### **Parameters:**

errors - Errors

---

**Package**

**io.reneses.tela.modules.twitter.cache**

## io.reneses.tela.modules.twitter.cache Interface AccessTokenUsernameCache

All Known Implementing Classes:

[AccessTokenUsernameCacheImpl](#)

public interface **AccessTokenUsernameCache**  
extends

CacheManager storing the username corresponding to each access token (this is, to the logged user)

### Method Summary

abstract void	<a href="#">clear()</a> Clear all the cache entries
abstract java.lang.String	<a href="#">getUsername</a> (java.lang.String accessToken) Retrieve the username related to an access token
abstract void	<a href="#">put</a> (java.lang.String accessToken, java.lang.String username) Store into the cacheManager the access token and its related username

### Methods

#### put

```
public abstract void put(java.lang.String accessToken,  
    java.lang.String username)
```

Store into the cacheManager the access token and its related username

##### Parameters:

accessToken - Access token

username - Username corresponding to the access token

#### getUsername

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

Retrieve the username related to an access token

##### Parameters:

accessToken - Access token

##### Returns:

a Username of the access token

#### clear

```
public abstract void clear()
```

Clear all the cache entries



## io.reneses.tela.modules.twitter.cache Class AccessTokenUsernameCacheImpl

java.lang.Object

└--io.reneses.tela.modules.twitter.cache.AccessTokenUsernameCacheImpl

All Implemented Interfaces:

[AccessTokenUsernameCache](#)

public class **AccessTokenUsernameCacheImpl**  
extends java.lang.Object  
implements [AccessTokenUsernameCache](#)

AccessTokenUsernameCacheImpl implementation

### Constructor Summary

public	<a href="#">AccessTokenUsernameCacheImpl()</a>
--------	--

### Method Summary

void	<a href="#">clear()</a>
java.lang.String	<a href="#">getUsername()</a> (java.lang.String accessToken)
void	<a href="#">put()</a> (java.lang.String accessToken, java.lang.String username)

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface [io.reneses.tela.modules.twitter.cache.AccessTokenUsernameCache](#)

[clear](#), [getUsername](#), [put](#)

### Constructors

#### AccessTokenUsernameCacheImpl

public **AccessTokenUsernameCacheImpl()**

### Methods

(continued from last page)

## **put**

```
public void put(java.lang.String accessToken,  
               java.lang.String username)
```

---

## **getUsername**

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

---

## **clear**

```
public void clear()
```

---

**Package**

**io.reneses.tela.modules.twitter.database.  
extensions**

## io.reneses.tela.modules.twitter.database.extensions

### Class TwitterOrientDatabaseExtension

java.lang.Object

└- [io.reneses.tela.core.databases.extensions.OrientDatabaseExtension](#)

└-

**io.reneses.tela.modules.twitter.database.extensions.TwitterOrientDatabaseExtension**

All Implemented Interfaces:

[DatabaseExtension](#)

public class **TwitterOrientDatabaseExtension**

extends [OrientDatabaseExtension](#)

Twitter extension for the Orient Database

### Nested Class Summary

class	<a href="#">TwitterOrientDatabaseExtension.User</a> TwitterOrientDatabaseExtension.User
-------	--

### Constructor Summary

public	<a href="#">TwitterOrientDatabaseExtension()</a>
--------	--

### Method Summary

void	<a href="#">init</a> ( <a href="#">OrientGraphWrapper</a> telaGraph)
boolean	<a href="#">isInitiated</a> ( <a href="#">OrientGraphWrapper</a> telaGraph)

Methods inherited from class java.lang.Object

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

Methods inherited from interface [io.reneses.tela.core.databases.extensions.DatabaseExtension](#)

[init](#), [isInitiated](#)

### Constructors

#### TwitterOrientDatabaseExtension

public **TwitterOrientDatabaseExtension()**

### Methods

(continued from last page)

## **isInitiated**

```
public boolean isInitiated(OrientGraphWrapper telaGraph)
```

---

## **init**

```
public void init(OrientGraphWrapper telaGraph)
```

## io.reneses.tela.modules.twitter.database.extensions

### Class TwitterOrientDatabaseExtension.User

java.lang.Object



io.reneses.tela.modules.twitter.database.extensions.TwitterOrientDatabaseExtension.User

public static class **TwitterOrientDatabaseExtension.User**  
 extends java.lang.Object

#### Field Summary

public static final	<a href="#">CLASS</a> Value: <b>TwitterUser</b>
public static final	<a href="#">FOLLOWS</a> Value: <b>TwitterFollows</b>
public static final	<a href="#">ID</a> Value: <b>user_id</b>
public static final	<a href="#">NAME</a> Value: <b>name</b>
public static final	<a href="#">NUMBER_OF_FOLLOWERS</a> Value: <b>n_followers</b>
public static final	<a href="#">NUMBER_OF_FOLLOWING</a> Value: <b>n_following</b>
public static final	<a href="#">PICTURE</a> Value: <b>picture</b>
public static final	<a href="#">SCREEN_NAME</a> Value: <b>screen_name</b>
public static final	<a href="#">URL</a> Value: <b>url</b>

#### Constructor Summary

public	<a href="#">User()</a>
--------	------------------------

#### Methods inherited from class java.lang.Object

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

## Fields

### CLASS

```
public static final java.lang.String CLASS
```

Constant value: **TwitterUser**

### FOLLOWS

```
public static final java.lang.String FOLLOWS
```

Constant value: **TwitterFollows**

### ID

```
public static final java.lang.String ID
```

Constant value: **user\_id**

### NAME

```
public static final java.lang.String NAME
```

Constant value: **name**

### SCREEN\_NAME

```
public static final java.lang.String SCREEN_NAME
```

Constant value: **screen\_name**

### PICTURE

```
public static final java.lang.String PICTURE
```

Constant value: **picture**

### URL

```
public static final java.lang.String URL
```

Constant value: **url**

### NUMBER\_OF\_FOLLOWERS

```
public static final java.lang.String NUMBER_OF_FOLLOWERS
```

Constant value: **n\_followers**

---

## NUMBER\_OF\_FOLLOWING

```
public static final java.lang.String NUMBER_OF_FOLLOWING
```

Constant value: **n\_following**

## Constructors

### User

```
public User()
```



---

**Package**

**io.reneses.tela.modules.twitter.models**

## io.reneses.tela.modules.twitter.models

### Class User

```
java.lang.Object
```

```
└--io.reneses.tela.modules.twitter.models.User
```

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

User data class representing a Twitter user

#### Constructor Summary

public	<a href="#">User()</a>
--------	------------------------

#### Method Summary

boolean	<a href="#">equals</a> ( java.lang.Object o)
long	<a href="#">getId</a> () Getter for the field id.
java.lang.String	<a href="#">getName</a> () Getter for the field name.
int	<a href="#">getNumberOfFollowers</a> () Getter for the field numberOfFollowers.
int	<a href="#">getNumberOfFollowing</a> () Getter for the field numberOfFollowing.
java.lang.String	<a href="#">getPicture</a> () Getter for the field picture.
java.lang.String	<a href="#">getScreenName</a> () Getter for the field screenName.
java.lang.String	<a href="#">getUrl</a> () Getter for the field url.
int	<a href="#">hashCode</a> ()
void	<a href="#">setId</a> (long id) Setter for the field id.
void	<a href="#">setName</a> ( java.lang.String name) Setter for the field name.
void	<a href="#">setNumberOfFollowers</a> (int numberOfFollowers) Setter for the field numberOfFollowers.
void	<a href="#">setNumberOfFollowing</a> (int numberOfFollowing) Setter for the field numberOfFollowing.

void	<a href="#">setPicture</a> (java.lang.String picture) Setter for the field picture.
void	<a href="#">setScreenName</a> (java.lang.String screenName) Setter for the field screenName.
void	<a href="#">setUrl</a> (java.lang.String url) Setter for the field url.
java.lang.String	<a href="#">toString</a> ()

**Methods inherited from class** java.lang.Object

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

## Constructors

### User

```
public User()
```

## Methods

### getId

```
public long getId()
```

Getter for the field id.

**Returns:**

a long.

### setId

```
public void setId(long id)
```

Setter for the field id.

**Parameters:**

id - a long.

### getName

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

Getter for the field name.

**Returns:**

a java.lang.String object.

(continued from last page)

## setName

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

Setter for the field name.

### Parameters:

name - a java.lang.String object.

---

## getUrl

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

Getter for the field url.

### Returns:

a java.lang.String object.

---

## setUrl

```
public void setUrl(java.lang.String url)
```

Setter for the field url.

### Parameters:

url - a java.lang.String object.

---

## getPicture

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

Getter for the field picture.

### Returns:

a java.lang.String object.

---

## setPicture

```
public void setPicture(java.lang.String picture)
```

Setter for the field picture.

### Parameters:

picture - a java.lang.String object.

---

## getScreenName

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

Getter for the field screenName.

### Returns:

a java.lang.String object.

---

## setScreenName

```
public void setScreenName(java.lang.String screenName)
```

---

(continued from last page)

Setter for the field `screenName`.

**Parameters:**

`screenName` - a `java.lang.String` object.

---

## **getNumberOfFollowers**

```
public int getNumberOfFollowers()
```

Getter for the field `numberOfFollowers`.

**Returns:**

a `int`.

---

## **setNumberOfFollowers**

```
public void setNumberOfFollowers(int numberOfFollowers)
```

Setter for the field `numberOfFollowers`.

**Parameters:**

`numberOfFollowers` - a `int`.

---

## **getNumberOfFollowing**

```
public int getNumberOfFollowing()
```

Getter for the field `numberOfFollowing`.

**Returns:**

a `int`.

---

## **setNumberOfFollowing**

```
public void setNumberOfFollowing(int numberOfFollowing)
```

Setter for the field `numberOfFollowing`.

**Parameters:**

`numberOfFollowing` - a `int`.

---

## **equals**

```
public boolean equals(java.lang.Object o)
```

---

## **hashCode**

```
public int hashCode()
```

---

## **toString**

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

---

---

**Package**

**io.reneses.tela.modules.twitter.repositories**

## io.reneses.tela.modules.twitter.repositories

### Class OrientUserRepository

java.lang.Object

└─io.reneses.tela.modules.twitter.repositories.OrientUserRepository

All Implemented Interfaces:

[UserRepository](#)

public class **OrientUserRepository**  
 extends java.lang.Object  
 implements [UserRepository](#)

OrientDB user repository implementation

#### Constructor Summary

public	<a href="#">OrientUserRepository()</a>
--------	--

#### Method Summary

void	<a href="#">create</a> ( <a href="#">User</a> user)
com.tinkerpop.blueprints.impls.orient.OrientVertex	<a href="#">createOrUpdateUserVertex</a> ( <a href="#">OrientGraphWrapper</a> telaGraph, com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, <a href="#">User</a> user)
com.tinkerpop.blueprints.impls.orient.OrientVertex	<a href="#">createUserVertex</a> ( <a href="#">OrientGraphWrapper</a> telaGraph, com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, <a href="#">User</a> user)
<a href="#">User</a>	<a href="#">find</a> (java.lang.String username)
java.util.List	<a href="#">findFollowers</a> (java.lang.String username)
java.util.List	<a href="#">findFollowing</a> (java.lang.String username)
java.util.List	<a href="#">findFriends</a> (java.lang.String username)
com.tinkerpop.blueprints.impls.orient.OrientVertex	<a href="#">findUserVertex</a> ( <a href="#">OrientGraphWrapper</a> telaGraph, com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String screenName)
<a href="#">User</a>	<a href="#">mapVertex</a> (com.tinkerpop.blueprints.Vertex vertex)
void	<a href="#">setFollowers</a> (java.lang.Iterable followers, <a href="#">User</a> followed)
void	<a href="#">setFollowing</a> ( <a href="#">User</a> following, java.lang.Iterable followed)

com.tinkerpop.blueprints.impls.orient.OrientVertex	<a href="#">updateUserVertex</a> (com.tinkerpop.blueprints.impls.orient.OrientVertex vertex, <a href="#">User</a> user)
--	---

#### Methods inherited from class java.lang.Object

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

#### Methods inherited from interface [io.reneses.tela.modules.twitter.repositories.UserRepository](#)

[create](#), [find](#), [findFollowers](#), [findFollowing](#), [findFriends](#), [setFollowers](#), [setFollowing](#)

## Constructors

### OrientUserRepository

```
public OrientUserRepository()
```

## Methods

### createUserVertex

```
com.tinkerpop.blueprints.impls.orient.OrientVertex createUserVertex(OrientGraphWrapper
telaGraph,
    com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,
    User user)
```

### findUserVertex

```
com.tinkerpop.blueprints.impls.orient.OrientVertex findUserVertex(OrientGraphWrapper
telaGraph,
    com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,
    java.lang.String screenName)
```

### updateUserVertex

```
com.tinkerpop.blueprints.impls.orient.OrientVertex
updateUserVertex(com.tinkerpop.blueprints.impls.orient.OrientVertex vertex,
    User user)
```

### createOrUpdateUserVertex

```
com.tinkerpop.blueprints.impls.orient.OrientVertex
createOrUpdateUserVertex(OrientGraphWrapper telaGraph,
    com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph,
    User user)
```



---

## mapVertex

[User](#) **mapVertex**(com.tinkerpop.blueprints.Vertex vertex)

---

## find

public [User](#) **find**(java.lang.String username)

---

## create

public void **create**([User](#) user)

---

## setFollowers

public void **setFollowers**(java.lang.Iterable followers,  
    [User](#) followed)

---

## setFollowing

public void **setFollowing**([User](#) following,  
    java.lang.Iterable followed)

---

## findFollowers

public java.util.List **findFollowers**(java.lang.String username)

---

## findFollowing

public java.util.List **findFollowing**(java.lang.String username)

---

## findFriends

public java.util.List **findFriends**(java.lang.String username)

---

# io.reneses.tela.modules.twitter.repositories

## Interface UserRepository

All Known Implementing Classes:

[OrientUserRepository](#)

public interface **UserRepository**  
extends

User Repository

### Method Summary

abstract void	<a href="#">create</a> ( <a href="#">User</a> user) Create a user
abstract <a href="#">User</a>	<a href="#">find</a> (java.lang.String username) Find a user by its username (or screen name)
abstract java.util.List	<a href="#">findFollowers</a> (java.lang.String username) Find the followers of a user
abstract java.util.List	<a href="#">findFollowing</a> (java.lang.String username) Find the users a user is following
abstract java.util.List	<a href="#">findFriends</a> (java.lang.String username) Find the friends of a user, this is, the intersection of followers and following
abstract void	<a href="#">setFollowers</a> (java.lang.Iterable followers, <a href="#">User</a> followed) Save the followers of a user.
abstract void	<a href="#">setFollowing</a> ( <a href="#">User</a> followers, java.lang.Iterable followed) Save the users a user is following.

### Methods

#### find

public abstract [User](#) **find**(java.lang.String username)

Find a user by its username (or screen name)

##### Parameters:

username - Username

##### Returns:

User with the given username, null if it does not exist

#### create

public abstract void **create**([User](#) user)

Create a user

(continued from last page)

**Parameters:**user - User

---

**setFollowers**

```
public abstract void setFollowers(java.lang.Iterable followers,  
    User followed)
```

Save the followers of a user. All the users will be updated/created.

**Parameters:**

followers - Following users

followed - Followed user

---

**setFollowing**

```
public abstract void setFollowing(User followers,  
    java.lang.Iterable followed)
```

Save the users a user is following. All the users will be updated/created.

**Parameters:**

followers - Following user

followed - Followed users

---

**findFollowers**

```
public abstract java.util.List findFollowers(java.lang.String username)
```

Find the followers of a user

**Parameters:**

username - Username

**Returns:**User followers

---

**findFollowing**

```
public abstract java.util.List findFollowing(java.lang.String username)
```

Find the users a user is following

**Parameters:**

username - Username

**Returns:**Users the user is following

---

**findFriends**

```
public abstract java.util.List findFriends(java.lang.String username)
```

Find the friends of a user, this is, the intersection of followers and following

**Parameters:**username - Username

---

(continued from last page)

**Returns:**  
User friends

---

**Package**

**io.reneses.tela.tutorial**

## io.reneses.tela.tutorial Class TutorialApp

java.lang.Object

└─io.reneses.tela.tutorial.TutorialApp

public class **TutorialApp**  
extends java.lang.Object

Simple app for the tutorial

### Constructor Summary

public	<a href="#">TutorialApp()</a>
--------	-------------------------------

### Method Summary

static void	<a href="#">main</a> (java.lang.String[] args) Configure the scheduler, a temporal OrientDB database and assemble and run the server
-------------	---

#### Methods inherited from class java.lang.Object

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

### Constructors

#### **TutorialApp**

public **TutorialApp**()

### Methods

#### **main**

public static void **main**(java.lang.String[] args)

Configure the scheduler, a temporal OrientDB database and assemble and run the server

#### **Parameters:**

args - Ignored

## io.reneses.tela.tutorial Class TutorialTelaModule

```
java.lang.Object
├--io.reneses.tela.modules.TelaModule
│   └--io.reneses.tela.tutorial.TutorialTelaModule
```

```
public class TutorialTelaModule
extends TelaModule
```

Basic module for the tutorial

### Field Summary

public static final	<a href="#">NAME</a>
	Value: <b>tutorial</b>

### Constructor Summary

public	<a href="#">TutorialTelaModule()</a>
--------	--------------------------------------

#### Methods inherited from class [io.reneses.tela.modules.TelaModule](#)

[getExtensions](#), [getName](#), [setExtensions](#), [setName](#)

#### Methods inherited from class java.lang.Object

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

### Fields

#### NAME

```
public static final java.lang.String NAME
```

Constant value: **tutorial**

### Constructors

#### TutorialTelaModule

```
public TutorialTelaModule()
```

---

**Package**

**io.reneses.tela.tutorial.actions**



## io.reneses.tela.tutorial.actions

### Class TutorialActions

java.lang.Object

└─io.reneses.tela.tutorial.actions.TutorialActions

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

Simple actions from the tutorial

#### Constructor Summary

public	<a href="#">TutorialActions()</a>
--------	-----------------------------------

#### Method Summary

java.lang.String	<a href="#">hello()</a>
java.lang.String	<a href="#">hello(java.lang.String name)</a>
java.lang.String	<a href="#">helloDate()</a>
java.lang.String	<a href="#">helloFriends(java.lang.String[] name)</a>
java.lang.String	<a href="#">helloFriends(java.lang.String name, int age)</a>

#### Methods inherited from class java.lang.Object

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

## Constructors

### TutorialActions

```
public TutorialActions()
```

## Methods

### hello

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

## hello

```
public java.lang.String hello(java.lang.String name)
```

---

## helloFriends

```
public java.lang.String helloFriends(java.lang.String name,  
                                       int age)
```

---

## helloFriends

```
public java.lang.String helloFriends(java.lang.String[] name)
```

---

## helloDate

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