
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 TelaServer	build (Configuration config, TelaModule[] modules) Create, configure and bind the required components
static TelaServer	build (TelaModule[] 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

java.lang.Object

```

  +--io.reneses.tela.core.api.controllers.TelaController
      +--io.reneses.tela.core.api.controllers.ActionController
  
```

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

Controller in charge of executing actions

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

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

Constructor Summary

public	ActionController () Constructor for ActionController.
--------	--

Method Summary

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
---------------------------	--

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

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	AuthController () Constructor for AuthController.
--------	--

Method Summary

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
javax.ws.rs.core.Response	create (javax.servlet.http.HttpServletRequest request, java.lang.String module, java.lang.String token) Create a session
javax.ws.rs.core.Response	delete (javax.servlet.http.HttpServletRequest request, java.lang.String authorization) Delete a session
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

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	GeneralController () Constructor for GeneralController.
--------	--

Method Summary

javax.ws.rs.core.Response	help () Help endpoint
javax.ws.rs.core.Response	help (java.lang.String module) Help of a specific module
java.lang.String	test () 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

java.lang.Object

```

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

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

Scheduler controller exposing the scheduling functionality

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

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

Constructor Summary

public	SchedulerController () Constructor for SchedulerController.
--------	--

Method Summary

javax.ws.rs.core.Response	cancel (javax.servlet.http.HttpServletRequest request, java.lang.String authorization, java.lang.String actionId) Delete a specific scheduled action
javax.ws.rs.core.Response	cancelAll (javax.servlet.http.HttpServletRequest request, java.lang.String authorization) Cancel all the scheduled actions by the session
javax.ws.rs.core.Response	getScheduled (javax.servlet.http.HttpServletRequest request, java.lang.String authorization) Get all the scheduled actions by the current session
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

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)

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	dispatcher
protected static	scheduler
protected static	sessionManager

Constructor Summary

public	TelaController() Constructor for TelaController.
--------	---

Method Summary

static javax.ws.rs.core.Response	buildErrorResponse (int code, java.lang.String message) Build an error response
static javax.ws.rs.core.Response	buildResponse (java.lang.Object result) Build a success response
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)
Session	extractSession (java.lang.String authorizationHeader) Extract the session from the authorization header
static java.lang.Integer	getIntParameter (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	getParameter (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

(continued from last page)

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	ApiException (java.lang.String message, int statusCode) API Exception constructor
--------	--

Method Summary

int	getStatusCode () 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()
```

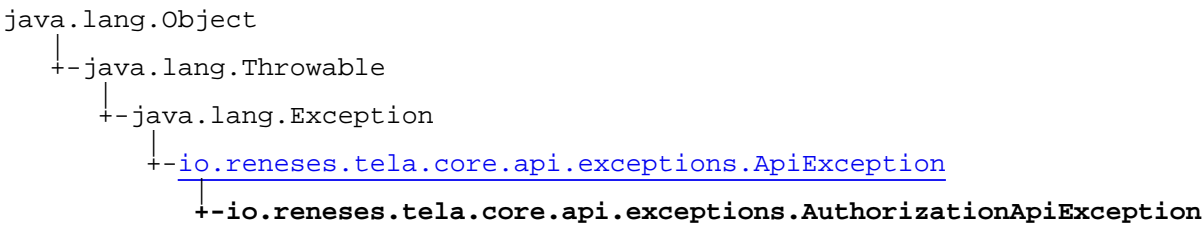
Get the HTTP status code

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	AuthorizationApiException (java.lang.String message) Constructor for AuthorizationApiException.

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

AuthorizationApiException

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

(continued from last page)

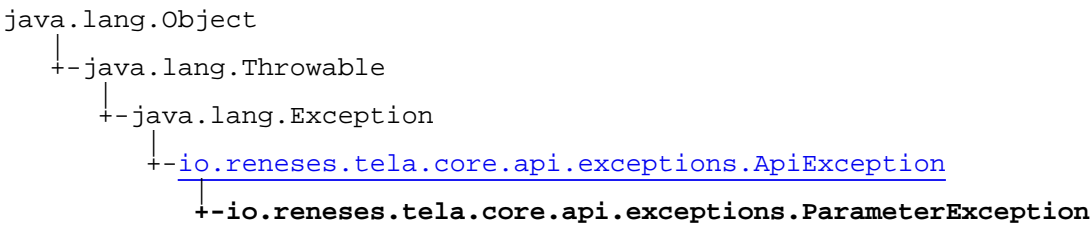
Constructor for AuthorizationApiException.

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	ParameterException (java.lang.String message) Constructor for ParameterException.

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

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	RequiredParameterException (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	ScheduledActionResponse () Constructor for ScheduledActionResponse.
public	ScheduledActionResponse (ScheduledAction action, java.lang.Object result) Constructor for ScheduledActionResponse.

Method Summary	
ScheduledAction	getAction () Getter for the field action.
java.lang.Object	getResult () Getter for the field result.
void	setAction (ScheduledAction action) Setter for the field action.
void	setResult (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

	JettyTelaServer (int serverPort) Constructor admitting a port
--	--

Method Summary

boolean	isRunning ()
---------	------------------------------

JettyTelaServer	start ()
---------------------------------	--------------------------

boolean	stop ()
---------	-------------------------

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	toResponse (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	DEFAULT_PORT Default the sever will be executed at Value: 80
---------------------	---

Method Summary

abstract java.lang.String	getLocalIp() Get local IP
abstract int	getPort() Get the port the server is running at
abstract boolean	isRunning() Check if the server is running
abstract TelaServer	start() Start the server server
abstract boolean	stop() 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	TelaServerFactory()
--------	-------------------------------------

Method Summary

static TelaServer	create (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

[ttl](#)

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

[DEFAULT_TTL](#)

Constructor Summary

[AbstractCacheManager](#)(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 [io.reneses.tela.core.cache.CacheManager](#)

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

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	DEFAULT_TTL Default time (in seconds) the cache entries should be stored Value: 3600
---------------------	---

Method Summary

abstract void	clear() Clear all the entries
abstract java.lang.String	get (java.lang.String module, java.lang.String key) Get a string value from the cacheManager
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

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 CacheManager	create() Create a cacheManager manager of the configured implementation
static void	setMemoryMode() Configure the on-memory cacheManager mode
static void	setRedisMode() Configure the redis cacheManager mode
static void	setTtl(int cacheTtl) 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()
```

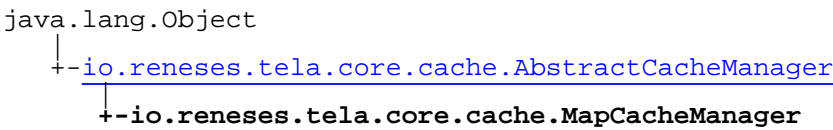
Create a cacheManager manager of the configured implementation

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 io.reneses.tela.core.cache.AbstractCacheManager
ttl

Fields inherited from interface io.reneses.tela.core.cache.CacheManager
DEFAULT_TTL

Constructor Summary	
	MapCacheManager (int ttl) Cache Manager constructor

Method Summary	
void	clear ()
java.lang.String	get (java.lang.String module, java.lang.String key)
void	put (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)

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

	RedisCacheManager (int ttl) Cache Manager constructor
--	--

Method Summary

void	clear ()
java.lang.String	get (java.lang.String module, java.lang.String key)
void	put (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	Configuration.OrientDbMode Configuration.OrientDbMode
class	Configuration.Property Configuration.Property
class	Configuration.TempMode Configuration.TempMode

Method Summary

abstract int	getIntegerProperty (Configuration.Property property) Get an integer property value
abstract java.lang.String	getStringProperty (Configuration.Property property) Get an integer property value
abstract void	setProperty (Configuration.Property property, int value) Set a property programmatically
abstract void	setProperty (Configuration.Property 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	<u>CACHE_MODE</u>
public static final	<u>CACHE_TTL</u>
public static final	<u>ORIENTDB_DATABASE</u>
public static final	<u>ORIENTDB_HOST</u>
public static final	<u>ORIENTDB_LOCAL</u>
public static final	<u>ORIENTDB_MODE</u>
public static final	<u>ORIENTDB_PASSWORD</u>
public static final	<u>ORIENTDB_PORT</u>
public static final	<u>ORIENTDB_USER</u>
public static final	<u>PORT</u>
public static final	<u>REDIS_HOST</u>
public static final	<u>REDIS_PASSWORD</u>
public static final	<u>REDIS_PORT</u>
public static final	<u>REDIS_USER</u>
public static final	<u>SCHEDULER_DELAY</u>

Method Summary

<code>static Configuration.Property y</code>	<code>valueOf(java.lang.String name)</code>
<code>static Configuration.Property y[]</code>	<code>values()</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	MEMORY Value: memory
public static final	REDIS Value: redis

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	LOCAL Value: local
public static final	MEMORY Value: memory
public static final	REMOTE Value: remote

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 Configuration	create() 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

	properties
--	----------------------------

Constructor Summary

	ConfigurationImpl() Constructor, initiating all the configurable properties
--	--

Method Summary

int	getIntegerProperty (Configuration.Property key)
java.lang.String	getStringProperty (Configuration.Property key)
void	setProperty (Configuration.Property key, int value)
void	setProperty (Configuration.Property 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

	ConfigurationIntegerProperty (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	getEnvValue () getEnvValue.
java.lang.Integer	getFileValue () 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

	ConfigurationProperty (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	getEnvValue() getEnvValue.
abstract java.lang.Object	getFileValue() getFileValue.
java.lang.String	getStringEnvValue()
java.lang.String	getStringFileValue()
java.lang.Object	getValue() The priority of configuration for each property is as following: 1.
void	setValue (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

java.lang.Object

```

  |
+-io.reneses.tela.core.configuration.ConfigurationProperty
  |
+-io.reneses.tela.core.configuration.ConfigurationStringProperty

```

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

String ConfigurationProperty

Constructor Summary

	ConfigurationStringProperty (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	getEnvValue () getEnvValue.
------------------	--

java.lang.String	getFileValue () 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	init (java.lang.Object database) Init the extension, creating the required schema
abstract boolean	isInitiated (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	OrientDatabaseExtension()
--------	---

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	DEFAULT_DATABASE Constant DEFAULT_DATABASE="Tela" Value: Tela
public static final	DEFAULT_DIRECTORY Constant DEFAULT_DIRECTORY="./data" Value: ./data
public static final	DEFAULT_HOST Constant DEFAULT_HOST="localhost" Value: localhost
public static final	DEFAULT_PASSWORD Constant DEFAULT_PASSWORD="admin" Value: admin
public static final	DEFAULT_PORT Constant DEFAULT_PORT=2424 Value: 2424
public static final	DEFAULT_USER Constant DEFAULT_USER="admin" Value: admin

Method Summary

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
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
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

abstract void	<code>close()</code> Close the connection
abstract void	<code>createEdgeClass</code> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name) Create a vertex class
abstract void	<code>createEdgeClass</code> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name, java.util.Map properties) Create an edge class
abstract void	<code>createIndexes</code> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String className, java.util.Map indexes) Create indexes for a class
abstract void	<code>createVertexClass</code> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name) Create a vertex class
abstract void	<code>createVertexClass</code> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name, java.util.Map properties) Create a vertex class
abstract void	<code>drop()</code> Drop all the data
abstract void	<code>execute</code> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String command, java.lang.Object[] bindings) Execute a SQL command
abstract java.lang.Iterable	<code>executeAndFetch</code> (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	<code>existsClass</code> (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	<code>getNoTxGraph()</code> Get a not transactional graph
abstract com.tinkerpop.blueprints.impls.orient.OrientGraph	<code>getTxGraph()</code> Get a transactional graph
abstract com.tinkerpop.blueprints.impls.orient.OrientVertex	<code>getVertex</code> (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	<code>getVertices</code> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass) Get all the vertices from a specific class
abstract java.util.List	<code>getVertices</code> (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	removeVertices (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass) Remove all the vertices from a specific class
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

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	connectLocal (java.lang.String path) Connect to a local OrientDB database
static void	connectMemory (java.lang.String database) Connect to a in-memory OrientDB database
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
static void	dropAndDestroyInstance () Drop the database and destroy the instance WARNING: This will erase all data.
static OrientGraphWrapper	get () Get a singleton instance of the configured OrientDB instance
static void	registerExtensions (DatabaseExtension[] extensions) Register the database extensions The list of extensions will be filtered, and only the OrientDatabaseExtension instances will be initiated
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

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

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

Method Summary

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)
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)
com.tinkerpop.blueprints.impls.orient.OrientVertex	addVertex (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass, java.util.Map properties)
void	close ()
void	createEdgeClass (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name)
void	createEdgeClass (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name, java.util.Map properties)

void	<u>createIndexes</u> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String className, java.util.Map indexes)
void	<u>createVertexClass</u> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name)
void	<u>createVertexClass</u> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name, java.util.Map properties)
void	<u>drop</u> ()
void	<u>execute</u> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String command, java.lang.Object[] bindings)
java.lang.Iterable	<u>executeAndFetch</u> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String command, java.lang.Object[] bindings)
boolean	<u>existsClass</u> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String name)
com.tinkerpop.blueprints.impls.orient.OrientGraphNoTx	<u>getNoTxGraph</u> ()
com.tinkerpop.blueprints.impls.orient.OrientGraph	<u>getTxGraph</u> ()
com.tinkerpop.blueprints.impls.orient.OrientVertex	<u>getVertex</u> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass, java.lang.String key, java.lang.Object value)
java.util.List	<u>getVertices</u> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass)
java.util.List	<u>getVertices</u> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass, java.lang.String key, java.lang.Object value)
boolean	<u>removeVertices</u> (com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String vertexClass)
boolean	<u>removeVertices</u> (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	DEFAULT_HOST Constant DEFAULT_HOST="localhost" Value: localhost
public static final	DEFAULT_PASSWORD Constant DEFAULT_PASSWORD="null"
public static final	DEFAULT_PORT Constant DEFAULT_PORT=6379 Value: 6379
public static final	DEFAULT_USER Constant DEFAULT_USER="null"

Method Summary

static void	connect (java.lang.String host, int port) Connect to a Redis server
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
static redis.clients.jedis.Jedis	get () 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

	actionClasses
	actionPackages

Constructor Summary

	AbstractActionDispatcher (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	dispatch (Session session, java.lang.String moduleName, java.lang.String actionName) Dispatch an action without parameters
abstract java.lang.Object	dispatch (Session session, java.lang.String moduleName, java.lang.String actionName, java.util.Map params) Dispatch an action
abstract Action	getAction (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	getHelp () Obtain the auto-generated help
abstract java.util.List	getHelp (java.lang.String module) Obtain the auto-generated help of a specific module
abstract boolean	hasModule (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	ActionDispatcherFactory()
--------	---

Method Summary

static void	addClassesToScan (java.lang.Class[] classes) Add all the classes to the ones that will be scanned
static void	addClassesToScan (java.lang.Iterable classes) Add all the classes to the ones that will be scanned
static void	addPackagesToScan (java.lang.Iterable packages) Add all the classes within the supplied packages to the classes that will be scanned
static void	addPackagesToScan (java.lang.Package[] packages) Add all the classes within the supplied packages to the classes that will be scanned
static ActionDispatcher	create () 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

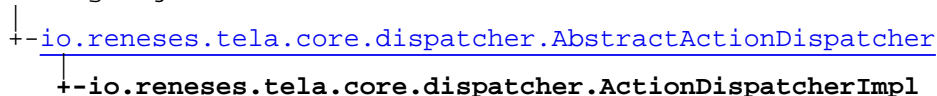
Returns:

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

	ActionDispatcherImpl (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	dispatch (Session session, java.lang.String moduleName, java.lang.String actionName)
java.lang.Object	dispatch (Session session, java.lang.String moduleName, java.lang.String actionName, java.util.Map params)
Action	getAction (java.lang.String moduleName, java.lang.String actionName, java.util.Map params) Get an action given its module, name and parameters
java.util.List	getHelp ()
java.util.List	getHelp (java.lang.String moduleName)
boolean	hasModule (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	description()
java.lang.String	name()
java.lang.String[]	parameters()

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	value()
------------------	-------------------------

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	minimumDelay()

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	ActionBadDefinedException (java.lang.String actionName) Constructor for ActionBadDefinedException.
public	ActionBadDefinedException (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.

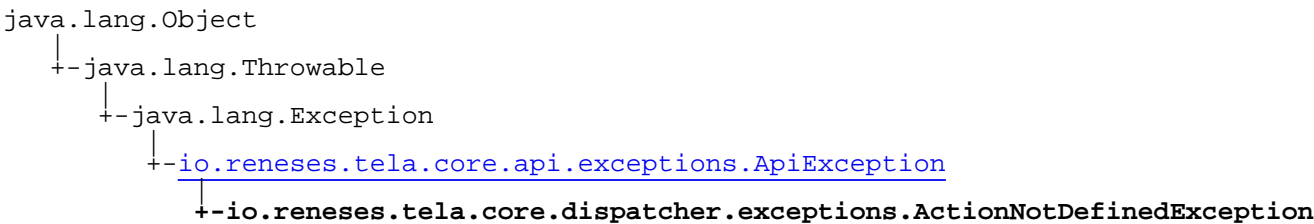
Parameters:

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

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)

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	InvalidParameterTypeException (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.

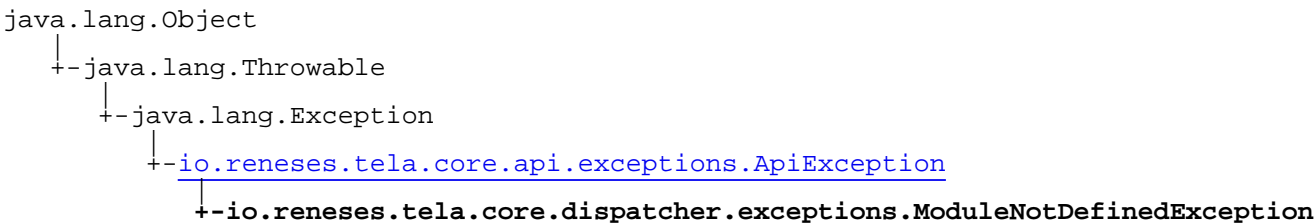
Parameters:

(continued from last page)

`paramValue` - Value of the parameter

io.reneses.tela.core.dispatcher.exceptions

Class ModuleNotDefinedException



All Implemented Interfaces:
java.io.Serializable

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

ModuleNotDefinedException class.

Fields inherited from class java.lang.Exception	
	serialVersionUID

Constructor Summary	
public	ModuleNotDefinedException () Constructor for ModuleNotDefinedException.
public	ModuleNotDefinedException (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	<code>TOKEN_PARAM</code> Constant <code>TOKEN_PARAM</code> = "token" Value: token
---------------------	--

Constructor Summary

public	<code>Action</code> (java.lang.reflect.Method method) Action constructor.
--------	---

Method Summary

java.lang.String	<code>getDescription()</code> Get the actions' description
int	<code>getMinimumScheduleDelay()</code> Return the minimum delay for the action
java.lang.String	<code>getName()</code> Get the action's name
java.util.LinkedHashMap	<code>getParameters()</code> Get the parameters
boolean	<code>hasParameter</code> (java.lang.String name) Check if the action has a parameter
java.lang.Object	<code>invoke</code> (java.lang.Object[] params) Invoke the method
boolean	<code>isSchedulable()</code> Check if the action is schedulable
boolean	<code>requiresToken()</code> 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	ActionHelp() Constructor for ActionHelp.
public	ActionHelp (java.lang.String module, Action action) Constructor for ActionHelp.

Method Summary

java.lang.String	getDescription() Getter for the field description.
java.lang.String	getModule() Getter for the field module.
java.lang.String	getName() Getter for the field name.
java.lang.String[]	getParams() Getter for the field params.
void	setDescription (java.lang.String description) Setter for the field description.
void	setModule (java.lang.String module) Setter for the field module.
void	setName (java.lang.String name) Setter for the field name.
void	setParams (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	Module (java.lang.String name) Construct the instance given its name
--------	---

Method Summary

void	addAction (Action action) Add an action to the module
void	addActions (java.lang.Iterable actions) Add all the actions
Action	getAction (java.lang.String actionName, java.util.Map params) Get an action given its name and its parameters
Action	getAction (java.lang.String name, java.lang.String[] params) Get an action given its name and parameters
java.util.List	getActions (java.lang.String name) Get all the actions with a given name
java.util.List	getAllActions () Get all the actions
java.lang.String	getName () 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	classesToScan
protected	packagestoScan

Constructor Summary

	AbstractActionScanner (java.util.Collection classesToScan, java.util.Collection packagestoScan) Instantiate the scanner with the classes and packages to scan
--	--

Method Summary

abstract java.util.Map	scan () 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

[ActionScanner](#)(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

[scan](#)()

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	ActionScannerFactory()
--------	--

Method Summary

static AbstractActionScanner	create (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	getClassesForPackage (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	add (HistoryEntry entry) Add an entry to the history
abstract boolean	isPresent (HistoryEntry 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 [History](#)

[create\(\)](#)

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	HistoryImpl (CacheManager cacheManager)
--------	--

Method Summary

void	add (HistoryEntry entry)
boolean	isPresent (HistoryEntry 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	HistoryEntry (java.lang.String module, java.lang.String action, java.lang.Object[] parameters) Constructor for HistoryEntry.
--------	---

Method Summary

boolean	equals (java.lang.Object o)
java.lang.String	getAction () Getter for the field action.
java.lang.String	getModule () Getter for the field module.
java.lang.Object[]	getParameters () Getter for the field parameters.
int	hashCode ()

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	dispatcher
protected	sessionManager

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

[DEFAULT_DELAY](#)

Constructor Summary

	AbstractScheduler (ActionDispatcher dispatcher, SessionManager sessionManager, int delay) SchedulerImpl constructor
--	---

Method Summary

int	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](#), [getActions](#), [getActions](#), [getDelay](#), [getScheduledAction](#), [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	DEFAULT_DELAY The execution delay of the scheduler, given in seconds Value: 300
---------------------	--

Method Summary

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

getActions

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

Get all the scheduled actions by session

Parameters:

session - Session

Returns:

Scheduled actions with the given session

getActions

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

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 Scheduler	create (ActionDispatcher dispatcher, SessionManager sessionManager) Create and return an instance of an implementation ofAbstract SchedulerImpl
static void	setDelay (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

[SchedulerImpl](#)([ActionDispatcher](#) dispatcher, [SessionManager](#) sessionManager, int delay)

Scheduler constructor

Method Summary

void [cancel](#)([Session](#) session, int actionId)

void [cancel](#)([Session](#) session, [ScheduledAction](#) action)

void [cancelAll](#)([Session](#) session)

void [close](#)()

boolean [contains](#)([ScheduledAction](#) action)

java.util.List [getActions](#)()

java.util.List [getActions](#)([Session](#) session)

[ScheduledAction](#) [getScheduledAction](#)(int actionId)

java.lang.Object [schedule](#)([ScheduledAction](#) 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](#), [getActions](#), [getActions](#), [getDelay](#), [getScheduledAction](#), [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
```

getActions

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

getActions

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

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	PARAMS_CLASS Value: Parameter
public static final	PARAMS_EDGE Value: HasParam
public static final	PARAMS_NAME Value: name
public static final	PARAMS_VALUES Value: values
public static final	TASK_ACCESS_TOKEN Value: access_token
public static final	TASK_CLASS Value: Task
public static final	TASK_CREATED_AT Value: created_at
public static final	TASK_DELAY Value: delay
public static final	TASK_ID Value: task_id
public static final	TASK_MODULE Value: module

public static final	TASK_NAME Value: name
public static final	TASK_NEXT_EXECUTION Value: next_execution

Constructor Summary

public	SchedulerOrientDatabaseExtension ()
--------	---

Method Summary

void	init (OrientGraphWrapper telaGraph)
boolean	isInitiated (OrientGraphWrapper 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
```

(continued from last page)

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**

(continued from last page)

Constructors

SchedulerOrientDatabaseExtension

```
public SchedulerOrientDatabaseExtension()
```

Methods

isInitiated

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

init

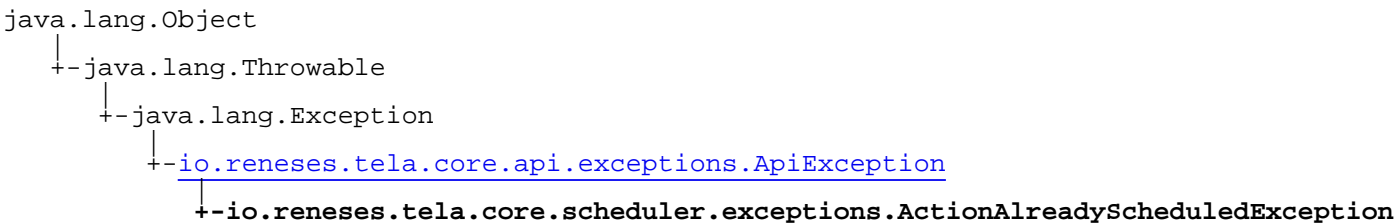
```
public void init(OrientGraphWrapper telaGraph)
```

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	ActionAlreadyScheduledException (ScheduledAction action) Constructor

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

ActionAlreadyScheduledException

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

Constructor

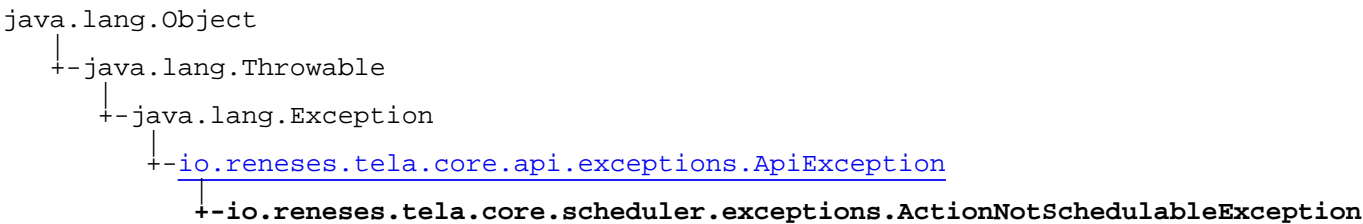
Parameters:

(continued from last page)

`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	ActionNotSchedulableException (Action action) Constructor
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

ActionNotSchedulableException

public **ActionNotSchedulableException**([Action](#) action)

Constructor

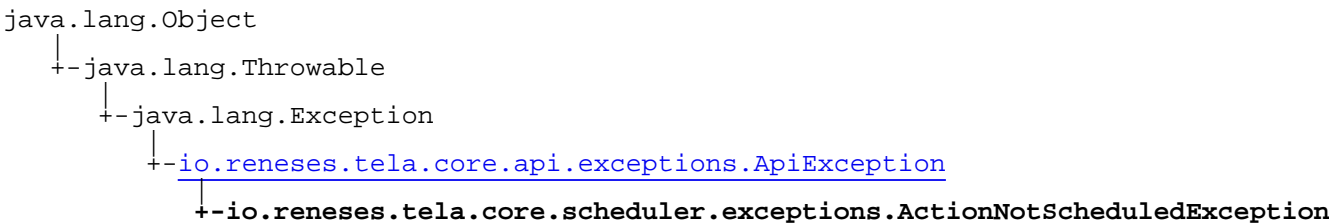
Parameters:

(continued from last page)

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	ActionNotScheduledException (ScheduledAction action) Constructor with instance
public	ActionNotScheduledException (int actionId) Constructor with ID

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

ActionNotScheduledException

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

(continued from last page)

Constructor with instance

Parameters:

`action` - Scheduled Action

ActionNotScheduledException

```
public ActionNotScheduledException(int actionId)
```

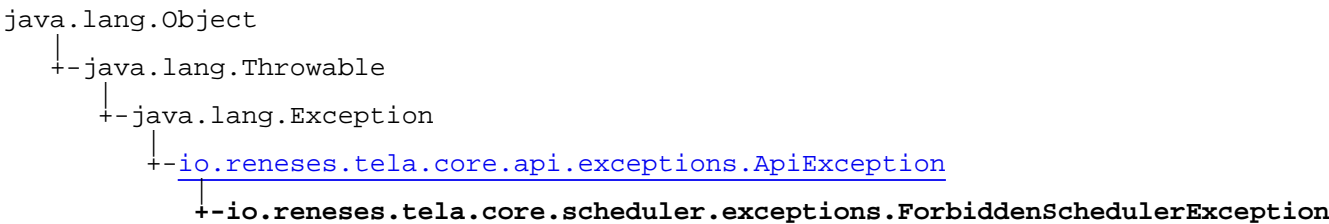
Constructor with ID

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>ForbiddenSchedulerException(java.lang.String session, ScheduledAction action)</div> <div>Constructor</div>

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

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	ScheduledAction() Default constructor for deserialization purposes
public	ScheduledAction (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
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
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

Method Summary

boolean	equals (java.lang.Object o)
java.lang.String	getAccessToken () Getter for the field accessToken.
java.lang.String	getActionName () Getter for the field actionName.
java.time.LocalDateTime	getCreatedAt () Getter for the field createdAt.
long	getCreatedAtAsLong () getCreatedAtAsLong.
int	getDelay () Getter for the field delay.
int	getId () Get the ID property

java.lang.String	<u>getModuleName()</u> Getter for the field moduleName.
java.time.LocalDateTime	<u>getNextExecution()</u> Getter for the field nextExecution.
long	<u>getNextExecutionAsLong()</u> getNextExecutionAsLong.
java.util.Map	<u>getParams()</u> Getter for the field params.
int	<u>hashCode()</u>
void	<u>setAccessToken()</u> (java.lang.String accessToken) Setter for the field accessToken.
void	<u>setActionName()</u> (java.lang.String actionName) Setter for the field actionName.
void	<u>setCreatedAt()</u> (java.time.LocalDateTime createdAt) Setter for the field createdAt.
void	<u>setCreatedAtAsLong()</u> (long createdAt) setCreatedAtAsLong.
void	<u>setDelay()</u> (int delay) Setter for the field delay.
void	<u>setId()</u> (int id) Set the ID property
void	<u>setModuleName()</u> (java.lang.String moduleName) Setter for the field moduleName.
void	<u>setNextExecution()</u> (java.time.LocalDateTime nextExecution) Setter for the field nextExecution.
void	<u>setNextExecutionAsLong()</u> (long nextExecution) setNextExecutionAsLong.
void	<u>setParams()</u> (java.util.Map params) Setter for the field params.
java.lang.String	<u>toString()</u>
void	<u>updateNextExecution()</u> 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(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:

accessToken - Session
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

(continued from last page)

setId

```
public void setId(int id)
```

Set the ID property

Parameters:

id - Scheduled action ID

getId

```
public int getId()
```

Get the ID property

Returns:

Scheduled action ID

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:

(continued from last page)

a long.

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.

(continued from last page)

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	OrientSchedulerRepository() Constructor for OrientSchedulerRepository.
--------	---

Method Summary

boolean	contains (int taskId)
boolean	create (ScheduledAction task)
boolean	delete (int taskId)
int	deleteByAccessToken (java.lang.String accessToken)
ScheduledAction	find (int taskId)
java.util.List	findAll ()
java.util.List	findByAccessToken (java.lang.String accessToken)
java.util.List	findReadyToExecute ()
ScheduledAction	mapVertex (com.tinkerpop.blueprints.Vertex vertex) Map a vertex to a ScheduledAction
void	updateNextExecution (ScheduledAction 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	contains (int actionId) Check if the action is scheduled
abstract boolean	create (ScheduledAction action) Create an action
abstract boolean	delete (int actionId) Delete an scheduled action
abstract int	deleteByAccessToken (java.lang.String accessToken) Delete all the scheduled actions with a given session
abstract ScheduledAction	find (int actionId) Find an scheduled action by its ID
abstract java.util.List	findAll () Find all the scheduled actions
abstract java.util.List	findByAccessToken (java.lang.String accessToken) Find all the scheduled actions with the given session
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
abstract void	updateNextExecution (ScheduledAction 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	addToken (Session 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 Session	create () Create new session
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 addToken()
abstract boolean	delete (Session session) Delete a session and all the related tokens
abstract boolean	deleteByModuleToken (java.lang.String module, java.lang.String token) Delete a session given the module token
abstract boolean	deleteModuleToken (Session session, java.lang.String module) Delete module token from a session
abstract boolean	existsByAccessToken (java.lang.String accessToken) Check if the provided session exists
abstract Session	findByAccessToken (java.lang.String accessToken) Find a session given its access token
abstract Session	findByModuleToken (java.lang.String module, java.lang.String token) Get a session given the module token
abstract java.lang.String	getModuleToken (Session 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 addToken()

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

addToken

```
public abstract void addToken(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 SessionManager	create()
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

	SessionManagerImpl()
--	--------------------------------------

Method Summary

void	addToken (Session session, java.lang.String module, java.lang.String token)
Session	create ()
Session	createWithModuleToken (java.lang.String module, java.lang.String moduleToken)
boolean	delete (Session session)
boolean	deleteByModuleToken (java.lang.String module, java.lang.String token)
boolean	deleteModuleToken (Session session, java.lang.String module)
boolean	existsByAccessToken (java.lang.String accessToken)
Session	findByAccessToken (java.lang.String accessToken)
Session	findByModuleToken (java.lang.String module, java.lang.String token)
java.lang.String	getModuleToken (Session 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](#)

```
addToken, 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)
```

addToken

```
public void addToken(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	SESSION_ACCESS_TOKEN Value: access_token
public static final	SESSION_CLASS Value: Session
public static final	SESSION_HAS_TOKEN Value: HasToken
public static final	SESSION_ID Value: session_id
public static final	TOKEN_CLASS Value: Token
public static final	TOKEN_MODULE Value: module
public static final	TOKEN_TOKEN Value: token

Constructor Summary

public	SessionOrientDatabaseExtension ()
--------	--

Method Summary

void	init (OrientGraphWrapper telaGraph)
------	--

boolean	isInitiated (OrientGraphWrapper 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

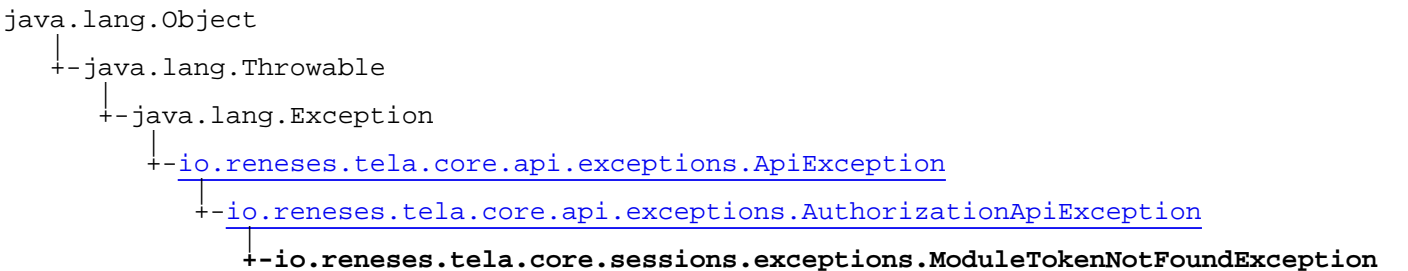
```
public void init(OrientGraphWrapper telaGraph)
```

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	ModuleTokenNotFoundException (java.lang.String session, java.lang.String module) Constructor for ModuleTokenNotFoundException.
public	ModuleTokenNotFoundException (java.lang.String message) Constructor for ModuleTokenNotFoundException.

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)

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

```

java.lang.Object
  |-- java.lang.Throwable
    |-- java.lang.Exception
      |-- io.reneses.tela.core.api.exceptions.ApiException
        |-- io.reneses.tela.core.api.exceptions.AuthorizationApiException
          |-- io.reneses.tela.core.sessions.exceptions.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	SessionNotFoundException (java.lang.String session) Constructor for SessionNotFoundException.
--------	--

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

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	Session() Constructor for Session.
public	Session(java.lang.String id, java.lang.String accessToken) Constructor for Session.
public	Session(java.lang.String id, java.lang.String accessToken, java.util.Map tokens) Constructor for Session.

Method Summary

void	addToken(java.lang.String module, java.lang.String token) addToken.
boolean	deleteToken(java.lang.String module) deleteToken.
boolean	equals(java.lang.Object o)
java.lang.String	getAccessToken() Getter for the field accessToken.
java.lang.String	getId() Getter for the field id.
java.lang.String	getToken(java.lang.String module) getToken.
java.util.Map	getTokens() Getter for the field tokens.
int	hashCode()
java.lang.String	toString()

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)

addToken.

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	addModuleToken (Session session, java.lang.String module, java.lang.String token) Add a module token to an existing session
abstract void	create (Session session) Create a session
abstract boolean	delete (Session session) Delete a session
abstract boolean	deleteModuleToken (Session session, java.lang.String token) Delete a module token from one module
abstract boolean	existsByAccessToken (java.lang.String accessToken) Check if a session with the given access token exists or not
abstract Session	findByAccessToken (java.lang.String accessToken) Find a session given its access token
abstract Session	findByModuleToken (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	OrientSessionManagerRepository() Constructor for OrientSessionManagerRepository.
--------	---

Method Summary

boolean	addModuleToken (Session session, java.lang.String module, java.lang.String token)
void	create (Session session)
boolean	delete (Session session)
boolean	deleteModuleToken (Session session, java.lang.String module)
boolean	existsByAccessToken (java.lang.String accessToken)
Session	findByAccessToken (java.lang.String accessToken)
Session	findByModuleToken (java.lang.String module, java.lang.String token)
Session	mapVertex (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	USER_AGENT Constant USER_AGENT="Tela Server" Value: Tela Server
---------------------	--

Method Summary

abstract java.lang.String	authorizedGetRequest (java.lang.String bearerToken, java.lang.String url, java.lang.String[] params) Execute an authorized GET request
abstract java.lang.String	authorizedPostRequest (java.lang.String bearerToken, java.lang.String url, java.lang.String[] params) Execute an authorized POST request
abstract java.lang.String	getRequest (java.lang.String url, java.lang.String[] params) Execute a GET request
abstract java.lang.String	postRequest (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	TelaModule (java.lang.String name) Constructor for TelaModule.
--------	---

Method Summary

java.lang.Iterable	getExtensions () Getter for the field extensions.
java.lang.String	getName () Getter for the field name.
void	setExtensions (java.lang.Iterable extensions) Setter for the field extensions.
void	setName (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	NAME Constant NAME="instagram" Value: instagram
---------------------	--

Constructor Summary

public	InstagramTelaModule() 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	api
-----------	---------------------

Constructor Summary

	InstagramActions (AbstractInstagramApiWrapper api)
--	---

Constructor with DI

public	InstagramActions ()
--------	-------------------------------------

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	MediaActions (AbstractInstagramApiWrapper api) Constructor with DI
public	MediaActions () Default constructor, required by the action dispatcher

Method Summary

java.util.List	comments (java.lang.String accessToken, java.lang.String mediaId) Retrieve the comments of a media
java.util.List	likes (java.lang.String accessToken, java.lang.String mediaId) Retrieve the likes of a media
java.util.List	selfMedia (java.lang.String accessToken) Retrieve all the media of the logged user
java.util.List	selfMedia (java.lang.String accessToken, int limit) Retrieve the latest media of the logged user

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

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

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

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

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	UserActions (AbstractInstagramApiWrapper api)
public	UserActions () Constructor for UserActions (required by the dispatcher)

Method Summary

java.util.List	counts (java.lang.String accessToken, long userId) Retrieve the counts of a user Required scope: public_content
java.util.List	counts (java.lang.String accessToken, java.lang.String username) Retrieve the counts of a user Required scope: public_content
java.util.List	followers (java.lang.String accessToken) Retrieve the followers of the logged user Required scope: follower_list
java.util.List	followers (java.lang.String accessToken, int limit) Retrieve the followers of the logged user Required scope: follower_list
java.util.List	following (java.lang.String accessToken) Retrieve the users the logged user is following Required scope: follower_list
java.util.List	following (java.lang.String accessToken, int limit) Retrieve the users the logged user is following Required scope: follower_list
java.util.List	friends (java.lang.String accessToken) Retrieve the friends of the logged user (intersections between followers and following) Required scope: follower_list
UserRelationship	relationship (java.lang.String accessToken, long userId) Retrieve the relationship of the logged user with other user Required scope: follower_list
UserRelationship	relationship (java.lang.String accessToken, java.lang.String username) Retrieve the relationship of the logged user with other user Required scope: follower_list

User	search (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
User	self (java.lang.String accessToken) Get the information about the logged user
User	user (java.lang.String accessToken, long userId) Obtain the information about a user Required scope: public_content
User	user (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	accessTokenIdCache
protected	api
protected	commentRepository
protected	history
protected	mediaRepository
protected	usernameIdCache
protected	userRepository

Constructor Summary

	AbstractInstagramApiWrapper (InstagramApi api, History history) Constructor with DI
--	---

Method Summary

abstract java.util.List	counts (java.lang.String accessToken, long userId) Retrieve the counts of a user
abstract java.util.List	counts (java.lang.String accessToken, java.lang.String username) Retrieve the counts of a user
abstract java.util.List	friends (java.lang.String accessToken) Retrieve the friends of the logged user (intersections between followers and following)

abstract UserRelationship	relationship (java.lang.String accessToken, java.lang.String username) Retrieve the relationship of the logged user with other user
abstract User	user (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:

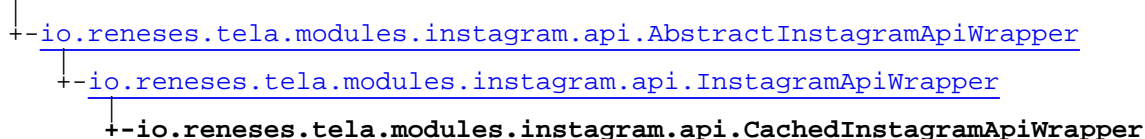
Relationship between both users

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	comments (java.lang.String accessToken, java.lang.String mediaId) Retrieve the comments of a media Documentation: https://www.instagram.com/developer/endpoints/comments/ Required scope: public_content
abstract java.util.List	followers (java.lang.String accessToken) Retrieve the followers of the logged user Documentation: https://www.instagram.com/developer/endpoints/relationships/ Required scope: follower_list
abstract java.util.List	followers (java.lang.String accessToken, int limit) Retrieve the followers of the logged user Documentation: https://www.instagram.com/developer/endpoints/relationships/ Required scope: follower_list
abstract java.util.List	following (java.lang.String accessToken) Retrieve the users the logged user is following Documentation: https://www.instagram.com/developer/endpoints/relationships/ Required scope: follower_list
abstract java.util.List	following (java.lang.String accessToken, int limit) Retrieve the users the logged user is following Documentation: https://www.instagram.com/developer/endpoints/relationships/ Required scope: follower_list
abstract java.util.List	likes (java.lang.String accessToken, java.lang.String mediaId) Retrieve the likes of a media Documentation: https://www.instagram.com/developer/endpoints/likes/ Required scope: public_content
abstract UserRelationship	relationship (java.lang.String accessToken, long userId) Retrieve the relationship of the logged user with other user - Outgoing: 'follows', 'requested' or 'none'.
abstract User	search (java.lang.String accessToken, java.lang.String username) Retrieve the basic information of a user given its username Documentation: https://www.instagram.com/developer/endpoints/users/ Required scope: public_content
abstract User	self (java.lang.String accessToken) Retrieve the basic information about the logged user Documentation: https://www.instagram.com/developer/endpoints/users/

abstract java.util.List	selfMedia (java.lang.String accessToken) Retrieve the latest media of the logged user Documentation: https://www.instagram.com/developer/endpoints/media/ Required scope: public_content
abstract java.util.List	selfMedia (java.lang.String accessToken, int limit) Retrieve the latest media of the logged user Documentation: https://www.instagram.com/developer/endpoints/media/ Required scope: public_content
abstract User	user (java.lang.String accessToken, long userId) Retrieve the information about a user Documentation: https://www.instagram.com/developer/endpoints/users/ 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

	InstagramApiImpl ()
	InstagramApiImpl (HttpClient httpClient)

Method Summary

java.util.List	comments (java.lang.String accessToken, java.lang.String mediaId)
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	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)
java.util.List	selfMedia (java.lang.String accessToken, int limit)
User	user (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	likes (java.lang.String accessToken, java.lang.String mediaId)
UserRelationship	relationship (java.lang.String accessToken, long userId)
UserRelationship	relationship (java.lang.String accessToken, java.lang.String username) Retrieve the relationship of the logged user with other user
User	search (java.lang.String accessToken, java.lang.String username)
User	self (java.lang.String accessToken)
java.util.List	selfMedia (java.lang.String accessToken)
java.util.List	selfMedia (java.lang.String accessToken, int limit)
User	user (java.lang.String accessToken, long userId)
User	user (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	InstagramApiWrapperFactory()
--------	--

Method Summary

static AbstractInstagramApiWrapper	create() Get an instance of an Instagram API Wrapper with the default configuration regarding caching
static AbstractInstagramApiWrapper	create(boolean cached) 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:

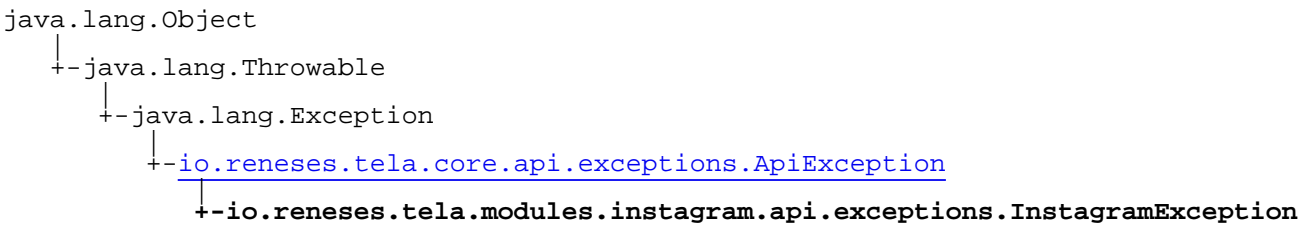
Instagram API Wrapper

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	InstagramException() Constructor for InstagramException.
public	InstagramException (java.lang.String message, int code) Constructor for InstagramException.

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)

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	InvalidAccessTokenException () Constructor for InvalidAccessTokenException.
public	InvalidAccessTokenException (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	PrivateUserException (java.lang.String user) Constructor for PrivateUserException.
--------	---

Method Summary

java.lang.String	getUser () 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

```

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.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	UserNotExistsException (java.lang.String user) Constructor for UserNotExistsException.
--------	---

Method Summary

java.lang.String	getUser () 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)

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	Meta()
--------	------------------------

Method Summary

int	getCode() Getter for the field code.
java.lang.String	getErrorMessage() Getter for the field errorMessage.
java.lang.String	getErrorType() Getter for the field errorType.
boolean	isAccessTokenException() isAccessTokenException.
boolean	isError() isError.
boolean	isInvalidAccessToken() isInvalidAccessToken.
boolean	isNotExistingResource() isNotExistingResource.
boolean	isRestrictedResource() isRestrictedResource.
void	setCode(int code) Setter for the field code.
void	setErrorMessage(java.lang.String errorMessage) Setter for the field errorMessage.
void	setErrorType(java.lang.String errorType) 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	Pagination()
--------	------------------------------

Method Summary

java.lang.String	getNextCursor() Getter for the field nextCursor.
java.lang.String	getNextMaxId()
java.lang.String	getNextUrl() Getter for the field nextUrl.
boolean	hasNext() hasNext.
void	setNextCursor() (java.lang.String nextCursor) Setter for the field nextCursor.
void	setNextMaxId() (java.lang.String nextMaxId)
void	setNextUrl() (java.lang.String nextUrl) Setter for the field nextUrl.
java.lang.String	toString()

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	CommentsResponse () Constructor for LikesResponse.
--------	---

Method Summary

java.util.List	getComments () Getter for the field likes.
Pagination	getPagination () Getter for the field pagination.
void	setComments (java.util.List comments) Setter for the field likes.
void	setPagination (Pagination 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	EnvelopeResponse ()
--------	-------------------------------------

Method Summary

Meta	getMeta () Getter for the field meta.
----------------------	--

void	setMeta (Meta 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	LikesResponse() Constructor for LikesResponse.
--------	---

Method Summary

java.util.List	getLikes() Getter for the field likes.
Pagination	getPagination() Getter for the field pagination.
void	setLikes (java.util.List likes) Setter for the field likes.
void	setPagination (Pagination 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	MediaResponse ()
--------	----------------------------------

Method Summary

java.util.List	getMedia () Getter for the field media.
Pagination	getPagination () Getter for the field pagination.
void	setMedia (java.util.List media) Setter for the field media.
void	setPagination (Pagination 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	RelationshipResponse()
--------	--

Method Summary

Pagination	getPagination() Getter for the field pagination.
java.util.List	getUsers() Getter for the field users.
void	setPagination(Pagination pagination) Setter for the field pagination.
void	setUsers (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	SearchResponse ()
--------	-----------------------------------

Method Summary

User	getUser (java.lang.String username) getUser.
void	setUsers (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	UserRelationshipResponse()
--------	--

Method Summary

UserRelationship	getRelationship() Getter for the field relationship.
void	setRelationship(UserRelationship relationship) 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	UserResponse ()
--------	---------------------------------

Method Summary

User	getUser () Getter for the field user.
void	setUser (User 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	getId (java.lang.String accessToken) Get the ID of the given access token
abstract void	put (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	AccessTokenIdCacheImpl ()
--------	--

Method Summary

java.lang.Long	getId (java.lang.String accessToken)
void	put (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	getId (java.lang.String username) Get the user ID of a given username
abstract void	put (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	UsernameIdCacheImpl()
--------	---------------------------------------

Method Summary

java.lang.Long	getId (java.lang.String username)
void	put (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	InstagramOrientDatabaseExtension.Comment InstagramOrientDatabaseExtension.Comment
class	InstagramOrientDatabaseExtension.Media InstagramOrientDatabaseExtension.Media
class	InstagramOrientDatabaseExtension.Relationship InstagramOrientDatabaseExtension.Relationship
class	InstagramOrientDatabaseExtension.User InstagramOrientDatabaseExtension.User

Constructor Summary

public	InstagramOrientDatabaseExtension()
--------	--

Method Summary

void	init (OrientGraphWrapper telaGraph)
boolean	isInitiated (OrientGraphWrapper 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](#)

(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	InstagramOrientDatabaseExtension.User.Count InstagramOrientDatabaseExtension.User.Count
-------	--

Field Summary

public static final	BIO Value: bio
public static final	CLASS Value: InstagramUser
public static final	FOLLOWS Value: InstagramFollows
public static final	FULL_NAME Value: full_name
public static final	ID Value: user_id
public static final	PICTURE Value: profile_picture
public static final	USERNAME Value: username
public static final	WEBSITE Value: website

Constructor Summary

public	User()
--------	------------------------

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	CLASS Value: InstagramUserCounts
public static final	COUNTS Value: InstagramHasCounts
public static final	CREATED_AT Value: created_at
public static final	FOLLOWERS Value: followers
public static final	FOLLOWING Value: following
public static final	MEDIA Value: media

Constructor Summary	
public	Count ()

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	InstagramOrientDatabaseExtension.Media.Location InstagramOrientDatabaseExtension.Media.Location
class	InstagramOrientDatabaseExtension.Media.Resource InstagramOrientDatabaseExtension.Media.Resource
class	InstagramOrientDatabaseExtension.Media.Tags InstagramOrientDatabaseExtension.Media.Tags

Field Summary

public static final	CAPTION Value: InstagramCaption
public static final	CLASS Value: InstagramMedia
public static final	CREATED_TIME Value: created_at
public static final	FILTER Value: filter
public static final	HASHTAGS Value: tags
public static final	ID Value: media_id
public static final	LIKES Value: InstagramLikes
public static final	LINK Value: link

public static final	N_COMMENTS Value: n_comments
public static final	N_LIKES Value: n_likes
public static final	POSTS Value: InstagramPosts
public static final	TYPE Value: type
public static final	USER_HAS_LIKED Value: user_has_liked

Constructor Summary

public	Media ()
--------	--------------------------

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	TAGS Value: InstagramTags
public static final	TAGS_X Value: x
public static final	TAGS_Y Value: y

Constructor Summary

public	Tags()
--------	------------------------

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	ADDRESS Value: address
public static final	CLASS Value: InstagramLocation
public static final	ID Value: location_id
public static final	LATITUDE Value: latitude
public static final	LOCATED_AT Value: InstagramLocatedAt
public static final	LONGITUDE Value: longitude
public static final	NAME Value: name

Constructor Summary

public	Location()
--------	----------------------------

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	CLASS Value: InstagramResource
public static final	HEIGHT Value: height
public static final	IMAGE Value: InstagramImage
public static final	SIZE Value: size
public static final	URL Value: url
public static final	VIDEO Value: InstagramVideo
public static final	WIDTH Value: width

Constructor Summary

public	Resource()
--------	----------------------------

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	CLASS Value: InstagramComment
public static final	COMMENTS Value: InstagramComments
public static final	CREATED_TIME Value: created_time
public static final	ID Value: comment_id
public static final	TEXT Value: text

Constructor Summary

public	Comment ()
--------	-----------------------------

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	CLASS Value: InstagramRelationship
public static final	INCOMING Value: incoming
public static final	OUTGOING Value: outgoing
public static final	RELATE Value: InstagramRelates
public static final	RELATE_TARGET_ID Value: target_id
public static final	RELATED_CREATED_AT Value: created_at
public static final	TARGET_USER_IS_PRIVATE Value: is_target_private

Constructor Summary

public	Relationship()
--------	--------------------------------

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	Comment()
--------	---------------------------

Method Summary

boolean	equals() (java.lang.Object o)
java.util.Date	getCreatedTime() Getter for the field createdTime.
long	getId() Getter for the field id.
long	getJsonCreatedTime() getJsonCreatedTime.
java.lang.String	getText() Getter for the field text.
User	getUser() Getter for the field user.
int	hashCode()
void	setCreatedTime() (java.util.Date createdDate) Setter for the field createdTime.
void	setId() (long id) Setter for the field id.
void	setText() (java.lang.String text) Setter for the field text.
void	setUser() (User user) Setter for the field user.
java.lang.String	toString()

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	Counts() Constructor for Counts.
public	Counts (int numberOfMedia, int numberOfFollowers, int numberOfFollowing) Constructor for Counts.

Method Summary

boolean	equals (java.lang.Object o)
java.util.Date	getCreatedAt () Getter for the field createdAt.
int	getNumberOfFollowers () Getter for the field numberOfFollowers.
int	getNumberOfFollowing () Getter for the field numberOfFollowing.
int	getNumberOfMedia () Getter for the field numberOfMedia.
int	hashCode ()
void	setCreatedAt (java.util.Date createdAt) Setter for the field createdAt.
void	setNumberOfFollowers (int numberOfFollowers) Setter for the field numberOfFollowers.
void	setNumberOfFollowing (int numberOfFollows) Setter for the field numberOfFollowing.
void	setNumberOfMedia (int numberOfMedia) Setter for the field numberOfMedia.
java.lang.String	toString ()

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	Location()
--------	----------------------------

Method Summary

boolean	equals() (java.lang.Object o)
long	getId() Getter for the field id.
double	getLatitude() Getter for the field latitude.
double	getLongitude() Getter for the field longitude.
java.lang.String	getName() Getter for the field name.
java.lang.String	getStreetAddress() Getter for the field streetAddress.
int	hashCode()
void	setId(long id) Setter for the field id.
void	setLatitude(double latitude) Setter for the field latitude.
void	setLongitude(double longitude) Setter for the field longitude.
void	setName(java.lang.String name) Setter for the field name.
void	setStreetAddress(java.lang.String streetAddress) 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	IMAGE Constant IMAGE="image" Value: image
public static final	VIDEO Constant VIDEO="video" Value: video

Constructor Summary

public	Media ()
--------	--------------------------

Method Summary

boolean	equals (java.lang.Object o)
Comment	getCaption () Getter for the field caption.
java.util.List	getComments () Getter for the field comments.
java.util.Date	getCreatedTime () Getter for the field createdTime.
java.lang.String	getFilter () Getter for the field filter.
java.lang.String	getId () Getter for the field id.
java.util.Map	getImages () Getter for the field images.
java.util.Map	getJsonComments () getJsonComments.
long	getJsonCreatedTime () getJsonCreatedTime.

java.util.Map	getJsonLikes() getJsonLikes.
java.util.List	getLikes() Getter for the field likes.
java.lang.String	getLink() Getter for the field link.
Location	getLocation() Getter for the field location.
int	getNumberOfComments() Getter for the field numberOfComments.
int	getNumberOfLikes() Getter for the field numberOfLikes.
java.util.List	getTaggedUsers() Getter for the field taggedUsers.
java.util.Set	getTags() Getter for the field tags.
java.lang.String	getType() Getter for the field type.
User	getUser() Getter for the field user.
java.lang.Boolean	getUserHasLiked() Getter for the field userHasLiked.
java.util.Map	getVideos() Getter for the field videos.
int	hashCode()
boolean	isImage() isImage.
boolean	isVideo() isVideo.
void	setCaption(Comment caption) Setter for the field caption.
void	setComments(java.util.List comments) Setter for the field comments.
void	setComments(java.util.Map value) Setter for the field comments.
void	setCreatedTime(java.util.Date createdTime) Setter for the field createdTime.
void	setFilter(java.lang.String filter) Setter for the field filter.

void	<code>setId</code> (java.lang.String id) Setter for the field id.
void	<code>setImages</code> (java.util.Map images) Setter for the field images.
void	<code>setLikes</code> (java.util.List likes) Setter for the field likes.
void	<code>setLikes</code> (java.util.Map value) Setter for the field likes.
void	<code>setLink</code> (java.lang.String link) Setter for the field link.
void	<code>setLocation</code> (<code>Location</code> location) Setter for the field location.
void	<code>setNumberOfComments</code> (int numberOfComments) Setter for the field numberOfComments.
void	<code>setNumberOfLikes</code> (int numberOfLikes) Setter for the field numberOfLikes.
void	<code>setTaggedUsers</code> (java.util.List taggedUsers) Setter for the field taggedUsers.
void	<code>setTags</code> (java.util.Set tags) Setter for the field tags.
void	<code>setType</code> (java.lang.String type) Setter for the field type.
void	<code>setUser</code> (<code>User</code> user) Setter for the field user.
void	<code>setUserHasLiked</code> (java.lang.Boolean userHasLiked) Setter for the field userHasLiked.
void	<code>setVideos</code> (java.util.Map videos) Setter for the field videos.
java.lang.String	<code>toString</code> ()

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	MediaResource()
--------	---------------------------------

Method Summary

boolean	equals() (java.lang.Object o)
int	getHeight() Getter for the field height.
java.lang.String	getSize() Getter for the field size.
java.lang.String	getUrl() Getter for the field url.
int	getWidth() Getter for the field width.
int	hashCode()
void	setHeight() (int height) Setter for the field height.
void	setSize() (java.lang.String size) Setter for the field size.
void	setUrl() (java.lang.String url) Setter for the field url.
void	setWidth() (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	Position() Position constructor
public	Position(double x, double y) Position constructor

Method Summary

boolean	equals(java.lang.Object o)
double	getX() Getter for the field x.
double	getY() Getter for the field y.
int	hashCode()
void	setX(double x) Setter for the field x.
void	setY(double y) Setter for the field y.
java.lang.String	toString()

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	TaggedUser()
--------	------------------------------

Method Summary

boolean	equals (java.lang.Object o)
Position	getPosition() Getter for the field position.
User	getUser() Getter for the field user.
int	hashCode()
void	setPosition (Position position) Setter for the field position.
void	setUser (User user) Setter for the field user.
java.lang.String	toString()

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	User()
--------	------------------------

Method Summary

boolean	equals() (java.lang.Object o)
java.lang.String	getBio() Getter for the field bio.
Counts	getCounts() Getter for the field counts.
java.lang.String	getFullName() Getter for the field fullName.
long	getId() Getter for the field id.
java.lang.String	getPicture() Getter for the field picture.
java.lang.String	getUsername() Getter for the field username.
java.lang.String	getWebsite() Getter for the field website.
int	hashCode()
void	setBio() (java.lang.String bio) Setter for the field bio.
void	setCounts() (Counts counts) Setter for the field counts.
void	setFullName() (java.lang.String fullName) Setter for the field fullName.
void	setId() (long id) Setter for the field id.

void	<code>setPicture</code> (java.lang.String picture) Setter for the field picture.
void	<code>setUsername</code> (java.lang.String username) Setter for the field username.
void	<code>setWebsite</code> (java.lang.String website) Setter for the field website.
java.lang.String	<code>toString</code> ()

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	UserRelationship.Incoming UserRelationship.Incoming
class	UserRelationship.Outgoing UserRelationship.Outgoing

Constructor Summary

public	UserRelationship() Constructor for UserRelationship.
--------	---

Method Summary

boolean	equals (java.lang.Object o)
java.util.Date	getCreatedAt () Getter for the field createdAt.
UserRelationship.Incoming	getIncoming () Getter for the field incoming.
UserRelationship.Outgoing	getOutgoing () Getter for the field outgoing.
int	hashCode ()
boolean	isTargetUserIsPrivate () isTargetUserIsPrivate.
void	setCreatedAt (java.util.Date createdAt) Setter for the field createdAt.
void	setIncoming (java.lang.String incomingRelationship) Setter for the field incoming.
void	setIncoming (UserRelationship.Incoming incomingRelationship) Setter for the field incoming.
void	setOutgoing (java.lang.String outgoingRelationship) Setter for the field outgoing.

void	setOutgoing (UserRelationship.Outgoing outgoingRelationship) Setter for the field outgoing.
void	setTargetUserIsPrivate (boolean targetUserIsPrivate) Setter for the field targetUserIsPrivate.
java.lang.String	toString ()

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	FOLLOWS
public static final	NONE
public static final	REQUESTED

Method Summary

static UserRelationship.Outgoing	fromString (java.lang.String text)
java.lang.String	toString ()
static UserRelationship.Outgoing	valueOf (java.lang.String name)
static UserRelationship.Outgoing[]	values ()

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	BLOCKED
public static final	FOLLOWED_BY
public static final	NONE
public static final	REQUESTED_BY

Method Summary

static UserRelationship.Incoming	fromString (java.lang.String text)
java.lang.String	toString ()
static UserRelationship.Incoming	valueOf (java.lang.String name)
static UserRelationship.Incoming[]	values ()

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	telaGraph
-----------------	---------------------------

Constructor Summary

	AbstractOrientRepository()
--	--

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	createOrUpdate (Comment comment) Create or update a comment
abstract Comment	find (long commentId) Find the comment with the given ID
abstract java.util.List	findAll (java.lang.String mediaId) Find all the comments of a media
abstract void	setComments (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	createOrUpdate (Media media) Create or update a media
abstract Media	find (java.lang.String mediaId) Find a media given its ID
abstract java.util.List	findAll (long userId) Find all the media posted by a user
abstract java.util.List	findLatest (long userId, int limit) Find the latest media of a user
abstract java.util.List	findLikes (java.lang.String mediaId) Find all the likes of a media
abstract void	setLikes (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

```

+--io.reneses.tela.modules.instagram.repositories.AbstractOrientRepository
    |
    +--io.reneses.tela.modules.instagram.repositories.OrientUserRepository
  
```

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	findFollowers (long followedId)
java.util.List	findFollowing (long followingId)
java.util.List	findFriends (long userId)
static Counts	findLatestCounts (OrientGraphWrapper telaGraph, com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, long userId)
UserRelationship	findLatestRelationship (long sourceUserId, long targetUserId)
java.util.List	findRelationships (long sourceUserId, long targetUserId)
static com.tinkerpop.blueprints.impls.orient.OrientVertex	findUserVertex (OrientGraphWrapper telaGraph, com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, long userId)
static User	mapUserVertex (OrientGraphWrapper telaGraph, com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, com.tinkerpop.blueprints.Vertex vertex, boolean crawlCount)
void	setFollowers (java.util.List followers, User followed)
void	setFollowing (User 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)
```


(continued from last page)

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	counts (long userId) Obtain the counts of a user
abstract void	createOrUpdate (User user) Create a user
abstract void	createRelationship (User source, UserRelationship relationship, long targetId) Create and store a relationship between two users
abstract User	find (long userId) Find a user
abstract User	find (long userId, boolean withCount) Find a user
abstract User	find (java.lang.String username) Find a user
abstract User	find (java.lang.String username, boolean withCount) Find a user
abstract java.util.List	findAll () Find all the users
abstract java.util.List	findAll (boolean withCount) Find all the users
abstract java.util.List	findFollowers (long followedId) Find the followers of a user
abstract java.util.List	findFollowing (long followerId) Find the users a user is following
abstract java.util.List	findFriends (long userId) Find the friends of a user (intersection of followers and following)
abstract UserRelationship	findLatestRelationship (long sourceUserId, long targetUserId) Create and store a relationship between two users
abstract java.util.List	findRelationships (long sourceUserId, long targetUserId) Create and store a relationship between two users

abstract void	setFollowers (java.util.List followers, User followed) Store the followers of a user
abstract void	setFollowing (User 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

(continued from last page)

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	NAME Constant NAME="twitter" Value: twitter
---------------------	--

Constructor Summary

public	TwitterTelaModule() 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	UserActions (AbstractTwitterApiWrapper api) Constructor with DI
public	UserActions () The default constructor is required for the action dispatcher

Method Summary

java.util.List	followers (java.lang.String token, java.lang.String username) Retrieve the followers of a user
java.util.List	followers (java.lang.String token, java.lang.String username, int limit) Retrieve the followers of a user
java.util.List	following (java.lang.String token, java.lang.String username) Retrieve the user a user is following
java.util.List	following (java.lang.String token, java.lang.String username, int limit) Retrieve the user a user is following
java.util.List	friends (java.lang.String token, java.lang.String username) Retrieve the friends of a user (intersection between followers and following)
User	self (java.lang.String token) Retrieve information about the logged 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)

    Constructor with DI
```

(continued from last page)

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.

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

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

(continued from last page)

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

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:

(continued from last page)

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

	accessTokenUsernameCache
	api
	history
	repository

Constructor Summary

	AbstractTwitterApiWrapper (TwitterApi api, History history) Constructor injecting the required components
--	---

Method Summary

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) 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](#)

(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 App

java.lang.Object

└─io.reneses.tela.modules.twitter.api.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)
throws [TwitterException](#)

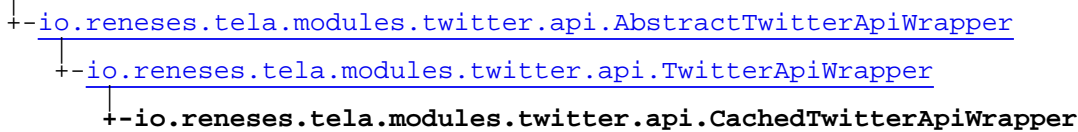
Basic app sample

Parameters:

args - Ignored

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	followers (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	following (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	friends (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)
----------------	---

User	self (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret)
----------------------	--

Methods inherited from class [io.reneses.tela.modules.twitter.api.TwitterApiWrapper](#)

[followers](#), [followers](#), [following](#), [following](#), [friends](#), [self](#)

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](#)

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
```

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
```

(continued from last page)

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	followers (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: https://dev.twitter.com/rest/reference/get/followers/list
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) Retrieve the followers of a user Documentation: https://dev.twitter.com/rest/reference/get/followers/list
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) Retrieve the user a user is following Documentation: https://dev.twitter.com/rest/reference/get/friends/list
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) Retrieve the user a user is following Documentation: https://dev.twitter.com/rest/reference/get/friends/list
abstract User	self (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret) Retrieve information about the logged user Documentation: https://dev.twitter.com/rest/reference/get/account/verify_credentials

Methods

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

(continued from last page)

Parameters:

apiKey - Api Key
apiSecret - Api Secret
token - Token
tokenSecret - Token secret

Returns:

Logged user

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
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

	TwitterApiImpl()
--	----------------------------------

Method Summary

java.util.List	followers (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)
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)
java.util.List	following (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)
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)
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)
User	self (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret)

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](#)

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
```

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
```

(continued from last page)

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	followers (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)
----------------	--

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)
----------------	---

java.util.List	following (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret, java.lang.String username)
----------------	--

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)
----------------	---

java.util.List	friends (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)

User	self (java.lang.String apiKey, java.lang.String apiSecret, java.lang.String token, java.lang.String tokenSecret)
----------------------	--

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](#)

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
```

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	TwitterApiWrapperFactory()
--------	--

Method Summary

static AbstractTwitterApiWrapper	create() Get an instance of an Twitter API Wrapper with the default configuration regarding caching
static AbstractTwitterApiWrapper	create(boolean cached) 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

```

java.lang.Object
  |-- java.lang.Throwable
    |-- java.lang.Exception
      |-- io.reneses.tela.core.api.exceptions.ApiException
        |-- io.reneses.tela.modules.twitter.api.exceptions.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	TwitterException (java.lang.String message, int code) Constructor for TwitterException.
--------	--

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

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.responses

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	UsersResponse()
--------	---------------------------------

Method Summary

java.lang.String	getNextCursor()
java.util.List	getUsers() Getter for the field users.
void	setNextCursor() (java.lang.String nextCursor)
void	setUsers() (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()**

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()
```

setNextCursor

```
public void setNextCursor(java.lang.String nextCursor)
```

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	clear() Clear all the cache entries
abstract java.lang.String	getUsername (java.lang.String accessToken) Retrieve the username related to an access token
abstract void	put (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	AccessTokenUsernameCacheImpl()
--------	--

Method Summary

void	clear()
java.lang.String	getUsername() (java.lang.String accessToken)
void	put() (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	TwitterOrientDatabaseExtension.User TwitterOrientDatabaseExtension.User
-------	--

Constructor Summary

public	TwitterOrientDatabaseExtension()
--------	--

Method Summary

void	init (OrientGraphWrapper telaGraph)
boolean	isInitiated (OrientGraphWrapper 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	CLASS Value: TwitterUser
public static final	FOLLOWS Value: TwitterFollows
public static final	ID Value: user_id
public static final	NAME Value: name
public static final	NUMBER_OF_FOLLOWERS Value: n_followers
public static final	NUMBER_OF_FOLLOWING Value: n_following
public static final	PICTURE Value: picture
public static final	SCREEN_NAME Value: screen_name
public static final	URL Value: url

Constructor Summary

public	User()
--------	------------------------

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	User()
--------	------------------------

Method Summary

boolean	equals (java.lang.Object o)
long	getId () Getter for the field id.
java.lang.String	getName () Getter for the field name.
int	getNumberOfFollowers () Getter for the field numberOfFollowers.
int	getNumberOfFollowing () Getter for the field numberOfFollowing.
java.lang.String	getPicture () Getter for the field picture.
java.lang.String	getScreenName () Getter for the field screenName.
java.lang.String	getUrl () Getter for the field url.
int	hashCode ()
void	setId (long id) Setter for the field id.
void	setName (java.lang.String name) Setter for the field name.
void	setNumberOfFollowers (int numberOfFollowers) Setter for the field numberOfFollowers.
void	setNumberOfFollowing (int numberOfFollowing) Setter for the field numberOfFollowing.

void	<code>setPicture</code> (java.lang.String picture) Setter for the field picture.
void	<code>setScreenName</code> (java.lang.String screenName) Setter for the field screenName.
void	<code>setUrl</code> (java.lang.String url) Setter for the field url.
java.lang.String	<code>toString</code> ()

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	OrientUserRepository ()
--------	---

Method Summary

void	create (User user)
com.tinkerpop.blueprints.impls.orient.OrientVertex	createOrUpdateUserVertex (OrientGraphWrapper telaGraph, com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, User user)
com.tinkerpop.blueprints.impls.orient.OrientVertex	createUserVertex (OrientGraphWrapper telaGraph, com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, User user)
User	find (java.lang.String username)
java.util.List	findFollowers (java.lang.String username)
java.util.List	findFollowing (java.lang.String username)
java.util.List	findFriends (java.lang.String username)
com.tinkerpop.blueprints.impls.orient.OrientVertex	findUserVertex (OrientGraphWrapper telaGraph, com.tinkerpop.blueprints.impls.orient.OrientBaseGraph graph, java.lang.String screenName)
User	mapVertex (com.tinkerpop.blueprints.Vertex vertex)
void	setFollowers (java.lang.Iterable followers, User followed)
void	setFollowing (User following, java.lang.Iterable followed)

```
com.tinkerpop.blueprints.impls.orient.OrientVertex
```

```
updateUserVertex(com.tinkerpop.blueprints.impls.orient.OrientVertex vertex, User 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	create (User user) Create a user
abstract User	find (java.lang.String username) Find a user by its username (or screen name)
abstract java.util.List	findFollowers (java.lang.String username) Find the followers of a user
abstract java.util.List	findFollowing (java.lang.String username) Find the users a user is following
abstract java.util.List	findFriends (java.lang.String username) Find the friends of a user, this is, the intersection of followers and following
abstract void	setFollowers (java.lang.Iterable followers, User followed) Save the followers of a user.
abstract void	setFollowing (User 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	TutorialApp()
--------	-------------------------------

Method Summary

static void	main (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	NAME
Value: tutorial	

Constructor Summary

public	TutorialTelaModule()
--------	--------------------------------------

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	TutorialActions()
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Method Summary

java.lang.String	hello()
java.lang.String	hello(java.lang.String name)
java.lang.String	helloDate()
java.lang.String	helloFriends(java.lang.String[] name)
java.lang.String	helloFriends(java.lang.String name, int age)

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()
```