JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev
- Next
- Frames
- No Frames
- All Classes

# **Hierarchy For All Packages**

Package Hierarchies:

- com.modern.codes.lime,
- com.modern.codes.lime.api,
- com.modern.codes.lime.class models,
- com.modern.codes.lime.config,
- com.modern.codes.lime.controller,
- com.modern.codes.lime.dao,
- com.modern.codes.lime.exception,
- com.modern.codes.lime.model,
- com.modern.codes.lime.pojo,
- com.modern.codes.lime.service,
- com.modern.codes.lime.tools

# **Class Hierarchy**

- java.lang.Object
  - ♦ com.modern.codes.lime.controller.<u>BaseController</u>
    - $\lozenge\ com.modern.codes.lime.controller.\underline{ForecastController}$
    - ♦ com.modern.codes.lime.controller.<u>FormulaController</u>
    - ♦ com.modern.codes.lime.controller.<u>JobController</u>
    - ♦ com.modern.codes.lime.controller.<u>ProductCategoryController</u>
    - ♦ com.modern.codes.lime.controller.<u>ProductController</u>
    - ♦ com.modern.codes.lime.controller.ResourceCategoryController
    - ♦ com.modern.codes.lime.controller.<u>ResourceController</u>
    - ♦ com.modern.codes.lime.controller.SupplierController
    - ♦ com.modern.codes.lime.controller.<u>UserController</u>
  - ◆ com.modern.codes.lime.service.<u>BasicCRUDService</u><T,T\_POJO,T\_DAO> (implements com.modern.codes.lime.service.<u>IBasicCRUDService</u><T,T\_POJO,T\_DAO>)

- ♦ com.modern.codes.lime.service.<u>FormulaService</u> (implements com.modern.codes.lime.service.IFormulaService)
- ♦ com.modern.codes.lime.service.<u>JobService</u> (implements com.modern.codes.lime.service.<u>IJobService</u>)
- ♦ com.modern.codes.lime.service.<u>ProductCategoryService</u> (implements com.modern.codes.lime.service.<u>IProductCategoryService</u>)
- ♦ com.modern.codes.lime.service.<u>ProductService</u> (implements com.modern.codes.lime.service.<u>IProductService</u>)
- ♦ com.modern.codes.lime.service.<u>ResourceCategoryService</u> (implements com.modern.codes.lime.service.<u>IResourceCategoryService</u>)
- ♦ com.modern.codes.lime.service.<u>ResourceService</u> (implements com.modern.codes.lime.service.IResourceService)
- ♦ com.modern.codes.lime.service.<u>RoleService</u> (implements com.modern.codes.lime.service.<u>IRoleService</u>)
- ♦ com.modern.codes.lime.service.<u>SupplierService</u> (implements com.modern.codes.lime.service.<u>ISupplierService</u>)
- ♦ com.modern.codes.lime.service.<u>UserService</u> (implements com.modern.codes.lime.service.<u>IUserService</u>)
- ♦ com.modern.codes.lime.pojo.<u>BasicPOJO</u>
  - ♦ com.modern.codes.lime.pojo.FormulaPOJO
  - ♦ com.modern.codes.lime.pojo.JobPOJO
  - ♦ com.modern.codes.lime.pojo.ProductCategoryPOJO
  - ♦ com.modern.codes.lime.pojo.<u>ProductPOJO</u>
  - ♦ com.modern.codes.lime.pojo.ResourceCategoryPOJO
  - ♦ com.modern.codes.lime.pojo.<u>ResourcePOJO</u>
  - ♦ com.modern.codes.lime.pojo.<u>RolePOJO</u>
  - ♦ com.modern.codes.lime.pojo.SupplierPOJO
  - ♦ com.modern.codes.lime.pojo.UserPOJO
- ♦ com.modern.codes.lime.model.<u>CustomUserDetails</u> (implements org.springframework.security.core.userdetails.UserDetails)
- ◆ com.modern.codes.lime.service.<u>CustomUserDetailsService</u> (implements org.springframework.security.core.userdetails.UserDetailsService)
- ♦ com.modern.codes.lime.tools.DBPopulator
- ♦ com.modern.codes.lime.controller.<u>DevController</u>
- ♦ com.modern.codes.lime.class models.DrawSeries
- ♦ com.modern.codes.lime.controller.<u>FileUploadController</u>
- ◆ com.modern.codes.lime.service.<u>ForecastService</u> (implements com.modern.codes.lime.service.<u>IForecastService</u>)
- com.modern.codes.lime.model.<u>Formula</u> (implements java.io.Serializable)
- ♦ com.modern.codes.lime.api.<u>GlobalExceptionHandlingControllerAdvice</u>
- ♦ com.modern.codes.lime.service.<u>IBasicCRUDServiceTest</u><T,T\_POJO,T\_DAO,T\_SERVICE>
  - ♦ com.modern.codes.lime.service.IFormulaServiceTest
  - ♦ com.modern.codes.lime.service.IJobServiceTest
  - ♦ com.modern.codes.lime.service.<u>IProductServiceTest</u>
  - ♦ com.modern.codes.lime.service.<u>IResourceServiceTest</u>
  - ♦ com.modern.codes.lime.service.<u>IRoleServiceTest</u>
  - ♦ com.modern.codes.lime.service.ISupplierServiceTest
  - ♦ com.modern.codes.lime.service.IUserServiceTest
- com.modern.codes.lime.model.<u>Job</u> (implements java.io.Serializable)
- ♦ com.modern.codes.lime.<u>LimeApplication</u>

Class Hierarchy 2

- ♦ com.modern.codes.lime.service.<u>MailService</u> (implements com.modern.codes.lime.service.<u>IMailService</u>)
- ◆ com.modern.codes.lime.service.<u>NotificationService</u> (implements com.modern.codes.lime.service.<u>INotificationService</u>)
- ♦ com.modern.codes.lime.controller.OrderController
- ♦ com.modern.codes.lime.tools.<u>ParseTools</u>
- com.modern.codes.lime.model.<u>Product</u> (implements java.io.Serializable)
- com.modern.codes.lime.model.<u>ProductCategory</u> (implements java.io.Serializable)
- com.modern.codes.lime.controller.ReportController
- ◆ com.modern.codes.lime.service.<u>ReportService</u> (implements com.modern.codes.lime.service.<u>IReportService</u>)
- com.modern.codes.lime.model.Resource (implements java.io.Serializable)
- com.modern.codes.lime.model.ResourceCategory (implements java.io.Serializable)
- ♦ com.modern.codes.lime.model.Role
- ◆ com.modern.codes.lime.service.<u>SmoothingService</u> (implements com.modern.codes.lime.service.<u>ISmoothingService</u>)
- ♦ com.modern.codes.lime.config.StorageProperties
- ♦ com.modern.codes.lime.service.<u>StorageService</u> (implements com.modern.codes.lime.service.<u>IStorageService</u>)
- com.modern.codes.lime.model.<u>Supplier</u> (implements java.io.Serializable)
- ♦ com.modern.codes.lime.config.<u>SwaggerConfig</u>
- java.lang.Throwable (implements java.io.Serializable)

♦ java.lang.Exception

- · java.lang.RuntimeException
  - com.modern.codes.lime.exception.<u>AlreadyExistsException</u>
  - com.modern.codes.lime.exception.<u>ForbiddenException</u>
  - com.modern.codes.lime.exception.IllegalDataException
  - com.modern.codes.lime.exception.<u>InvalidRequestException</u>
  - com.modern.codes.lime.exception.<u>NotAcceptableException</u>
  - com.modern.codes.lime.exception.<u>NotFoundException</u>
  - com.modern.codes.lime.exception.<u>OperationNotAllowedException</u>
  - com.modern.codes.lime.exception.<u>ServiceUnavailableException</u>
  - com.modern.codes.lime.exception.<u>StorageException</u>
  - $\hbox{\color{red} \bullet com.} modern. codes. lime. exception. \underline{Unprocessable Entity Exception}$
- ♦ com.modern.codes.lime.class\_models.<u>TimeSeries</u>
- ◆ com.modern.codes.lime.service.<u>TimeSeriesService</u> (implements com.modern.codes.lime.service.<u>ITimeSeriesService</u>)
- ♦ com.modern.codes.lime.tools.<u>TSGenerator</u>
- ♦ com.modern.codes.lime.model.<u>User</u> (implements java.io.Serializable)
- com.modern.codes.lime.model.<u>ValidationError</u> (implements java.io.Serializable)
- $\blacklozenge com.modern.codes.lime.model.\underline{ValidParam} \ (implements \ java.io.Serializable)$
- ♦ org.springframework.security.config.annotation.web.configuration.WebSecurityConfigurerAdapter (implements

org.spring framework.security.config.annotation.web. Web Security Configurer < T >)

♦ com.modern.codes.lime.config.<u>SecurityConfiguration</u>

# Interface Hierarchy

• com.modern.codes.lime.service.<u>IBasicCRUDService</u><T,T\_POJO,T\_DAO>

Interface Hierarchy 3

- com.modern.codes.lime.service.<u>IForecastService</u>
- com.modern.codes.lime.service.IFormulaService
- com.modern.codes.lime.service.IJobService
- com.modern.codes.lime.service.<u>IMailService</u>
- com.modern.codes.lime.service.INotificationService
- com.modern.codes.lime.service.<u>IProductCategoryService</u>
- com.modern.codes.lime.service.IProductService
- com.modern.codes.lime.service.IReportService
- com.modern.codes.lime.service.<u>IResourceCategoryService</u>
- com.modern.codes.lime.service.<u>IResourceService</u>
- com.modern.codes.lime.service.<u>IRoleService</u>
- com.modern.codes.lime.service.<u>ISmoothingService</u>
- com.modern.codes.lime.service.IStorageService
- com.modern.codes.lime.service.<u>ISupplierService</u>
- com.modern.codes.lime.service.<u>ITimeSeriesService</u>
- com.modern.codes.lime.service.<u>IUserService</u>
- org.springframework.data.repository.Repository<T,ID>
  - ♦ org.springframework.data.repository.CrudRepository<T,ID>

♦ com.modern.codes.lime.dao.<u>IBasicCRUDRepository</u><T,ID>

- · com.modern.codes.lime.dao.IFormulaDAO
- · com.modern.codes.lime.dao.<u>IJobDAO</u>
- · com.modern.codes.lime.dao.IProductCategoryDAO
- · com.modern.codes.lime.dao.<u>IProductDAO</u>
- · com.modern.codes.lime.dao.<u>IResourceCategorvDAO</u>
- · com.modern.codes.lime.dao.<u>IResourceDAO</u>
- · com.modern.codes.lime.dao.<u>IRoleDAO</u>
- · com.modern.codes.lime.dao.ISupplierDAO
- · com.modern.codes.lime.dao.<u>IUserDAO</u>

# **Enum Hierarchy**

- java.lang.Object
  - ♦ java.lang.Enum<E> (implements java.lang.Comparable<T>, java.io.Serializable)
    - ♦ com.modern.codes.lime.model.<u>FileExtension</u>
    - ♦ com.modern.codes.lime.model.Unit

# Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev
- Next

Enum Hierarchy 4

- <u>Frames</u> <u>No Frames</u>
- All Classes

Enum Hierarchy 5

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.api

# Class GlobalExceptionHandlingControllerAdvice

- java.lang.Object
- com.modern.codes.lime.api.GlobalExceptionHandlingControllerAdvice

@ControllerAdvice
public class GlobalExceptionHandlingControllerAdvice
extends java.lang.Object

\* Performs exception handling for all REST API controller. This class provides exception handlers that respond to possible exceptions with appropriate HTTP status codes for the client.

# Field Summary

Fields

# **Modifier and Type**

# **Field and Description**

private static org.slf4j.Logger LOG

•

# **Constructor Summary**

Constructors

 $\Diamond$ 

# **Constructor and Description**

GlobalExceptionHandlingControllerAdvice()

٠.

# **Method Summary**

All Methods Instance Methods Concrete Methods

Modifier and Type	Method and Description
void	handleAccessDeniedException (java.nio.file.AccessDeniedException ex) Exception handler for AccessDeniedException, translating error into HTTP status code 401
void	handleAlreadyExistsException (AlreadyExistsException ex) Exception handler for <i>AlreadyExistsException</i> , translating error into HTTP status code 409
void	handleException (java.lang.Exception ex) General fallback exception handler, translating all not otherwise caught errors into HTTP s code 503.
void	handleForbiddenException (ForbiddenException ex) Exception handler for ForbiddenException, translating error into HTTP status code 403.
void	<u>handleIllegalStateException</u> (java.lang.IllegalStateException ex) Exception handler for <i>IllegalStateException</i> , translating error into HTTP status code 428.
void	handleNotAcceptableException (NotAcceptableException ex) Exception handler for NotAcceptableException, translating error into HTTP status code 406
void	<u>handleNotFoundException</u> ( <u>NotFoundException</u> ex) Exception handler for <i>NotFoundException</i> , translating error into HTTP status code 404.
void	handleOperationNotAllowedException (OperationNotAllowedException ex) Exception handler for <i>OperationNotAllowedException</i> , translating error into HTTP status c 405.
void	handleServiceUnavailableException (javax.naming.ServiceUnavailableException Exception handler for ServiceUnavailableException, translating error into HTTP status code
void	handleUnprocessableEntityException (UnprocessableEntityException ex) Exception handler for <i>UnprocessableEntityException</i> , translating error into HTTP status co 422.

# Methods inherited from class java.lang.Object

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

#### Field Detail

**♦ LOG** 

private static final org.slf4j.Logger LOG

### **Constructor Detail**

# ♦ GlobalExceptionHandlingControllerAdvice

public GlobalExceptionHandlingControllerAdvice()

Method Detail

# ♦ handleAccessDeniedException

```
@ExceptionHandler(value=java.nio.file.AccessDeniedException.class)
    @ResponseStatus(value=UNAUTHORIZED)
public void handleAccessDeniedException(java.nio.file.AccessDeniedExc
```

Exception handler for *AccessDeniedException*, translating error into HTTP status code 401.

Parameters:

ex - AccessDeniedException

#### ♦ handleForbiddenException

```
@ExceptionHandler(value=ForbiddenException.class)
  @ResponseStatus(value=FORBIDDEN)
public void handleForbiddenException(ForbiddenException ex)
```

Exception handler for *ForbiddenException*, translating error into HTTP status code 403.

Parameters:

ex - ForbiddenException

# ♦ handleNotFoundException

```
@ExceptionHandler(value=NotFoundException.class)
@ResponseStatus(value=NOT_FOUND)
public void handleNotFoundException(NotFoundException ex)
```

Exception handler for *NotFoundException*, translating error into HTTP status code 404.

Parameters:

ex - NotFoundException

#### ♦ handleOperationNotAllowedException

```
@ExceptionHandler(value=OperationNotAllowedException.class)
  @ResponseStatus(value=METHOD_NOT_ALLOWED)
public void handleOperationNotAllowedException(OperationNotAllowedException
```

Field Detail 8

Exception handler for *OperationNotAllowedException*, translating error into HTTP status code 405.

Parameters:

ex - OperationNotAllowedException

# ♦ handleNotAcceptableException

```
@ExceptionHandler(value=NotAcceptableException.class)
@ResponseStatus(value=NOT_ACCEPTABLE)
public void handleNotAcceptableException(NotAcceptableException ex)
```

Exception handler for *NotAcceptableException*, translating error into HTTP status code 406.

Parameters:

ex - NotAcceptableException

### ♦ handleAlreadyExistsException

```
@ExceptionHandler(value=AlreadyExistsException.class)
  @ResponseStatus(value=CONFLICT)
public void handleAlreadyExistsException(AlreadyExistsException ex)
```

Exception handler for *AlreadyExistsException*, translating error into HTTP status code 409.

Parameters:

ex - AlreadyExistsException

### ♦ handleUnprocessableEntityException

```
@ExceptionHandler(value=UnprocessableEntityException.class)
@ResponseStatus(value=UNPROCESSABLE_ENTITY)
public void handleUnprocessableEntityException(UnprocessableEntityException
```

Exception handler for *UnprocessableEntityException*, translating error into HTTP status code 422.

Parameters:

ex - UnprocessableEntityException

# ♦ handlelllegalStateException

```
@ExceptionHandler(value=java.lang.IllegalStateException.class)
  @ResponseStatus(value=PRECONDITION_REQUIRED)
public void handleIllegalStateException(java.lang.IllegalStateException)
```

Exception handler for *IllegalStateException*, translating error into HTTP status code 428.

Parameters:

ex - IllegalStateException

#### ♦ handleServiceUnavailableException

```
@ExceptionHandler(value=javax.naming.ServiceUnavailableException.clase
    @ResponseStatus(value=SERVICE_UNAVAILABLE)
public void handleServiceUnavailableException(javax.naming.ServiceUnavailableException)
```

Exception handler for *ServiceUnavailableException*, translating error into HTTP status code 503.

Parameters:

• ex - ServiceUnavailableException

# ♦ handleException

@ExceptionHandler(value=java.lang.Exception.class)
 @ResponseStatus(value=SERVICE\_UNAVAILABLE)
public void handleException(java.lang.Exception ex)

General fallback exception handler, translating all not otherwise caught errors into HTTP status code 503.

Parameters:

ex - Exception

# Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.class models

# **Class DrawSeries**

- java.lang.Object
- com.modern.codes.lime.class\_models.DrawSeries

public class DrawSeries
extends java.lang.Object

The type Draw series.

Fields

Modifier and Type Field and Description

Class DrawSeries 11

# **Modifier and Type**

# **Field and Description**

private static org.slf4j.Logger LOG

•

# **Constructor Summary**

Constructors

# **Constructor and Description**

DrawSeries()

•

# **Method Summary**

All Methods Static Methods Concrete Methods

# **Modifier and Type**

# **Method and Description**

<pre>private static java.util.Date</pre>	<pre>getDate(java.util.ArrayList&lt;<u>TimeSeries</u>&gt; timeSeriesList, java.util.Date toDay)</pre>
<pre>private static byte[]</pre>	<pre>plot(java.util.ArrayList&lt;<u>TimeSeries</u>&gt; timeSeriesList, java.util.ArrayList&lt;<u>TimeSeries</u>&gt; timeSeriesForecastList, java.util.Date toDay, java.lang.String header, java.lang.String filename, java.lang.String type)</pre>
static byte[]	<pre>plotChart(java.util.ArrayList&lt;<u>TimeSeries</u>&gt; timeSeriesList, java.util.ArrayList&lt;<u>TimeSeries</u>&gt; timeSeriesForecastList, java.util.Date toDay, java.lang.String header, java.lang.String filename, java.lang.String type) Plot chart byte[].</pre>
<pre>private static byte[]</pre>	<pre>plotPie(java.util.ArrayList&lt;<u>TimeSeries</u>&gt; timeSeriesList, java.util.ArrayList&lt;<u>TimeSeries</u>&gt; timeSeriesForecastList, java.util.Date toDay, java.lang.String header, java.lang.String filename, java.lang.String type)</pre>
private static void	<pre>ProcessDataInTimeSeries(java.util.ArrayList<timeseries> timeSeriorg.knowm.xchart.CategoryChart chart, java.util.Date firstDay)</timeseries></pre>
private static void	<pre>ProcessDataInTimeSeriesPie(java.util.ArrayList<timeseries> timeSorg.knowm.xchart.PieChart chart, java.util.Date firstDay)</timeseries></pre>
$\wedge$	

# Methods inherited from class java.lang.Object

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

# Field Detail

**♦ LOG** 

```
private static final org.slf4j.Logger LOG
```

**Constructor Detail** 

♦ DrawSeries

public DrawSeries()

Method Detail

# ♦ plotChart

# Plot chart byte [].

#### Parameters:

```
timeSeriesList - the time series list
timeSeriesForecastList - the time series forecast list
toDay - the to day
header - the header
filename - the filename
type - the type
```

#### Returns:

the byte []

#### ♦ plot

#### ♦ plotPie

#### ♦ ProcessDataInTimeSeries

java.lang.String type)

Field Detail

# ♦ ProcessDataInTimeSeriesPie

# ♦ getDate

# Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.class models

# **Class TimeSeries**

- java.lang.Object
- com.modern.codes.lime.class\_models.TimeSeries

public class TimeSeries
extends java.lang.Object

The type Time series.

Fields

**Modifier and Type** 

**Field and Description** 

Class TimeSeries 15

# **Modifier and Type**

#### **Field and Description**

```
private java.lang.String
private java.util.ArrayList<java.lang.Integer> TS
```

**♦** 

# **Constructor Summary**

Constructors

# **Constructor and Description**

```
<u>TimeSeries</u>()
Instantiates a new Time series.

<u>TimeSeries</u>(java.lang.String label)
Instantiates a new Time series.
```

**♦** 

# **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

<b>Modifier and Type</b>	<b>Method and Description</b>		
void	$\underline{\text{add}}$ (java.lang.Integer resource_cnt) Add.		
java.lang.Integer	<pre>get(java.lang.Integer time) Get integer.</pre>		
java.lang.String	<pre>getLabel () Gets label.</pre>		
void	<pre>setLabel(java.lang.String label) Sets label.</pre>		
int	size() Size int.		
java.lang.Integer	sum() Sum integer.		
java.lang.Integer	<pre>sum(int n) Sum integer.</pre>		
$\Diamond$			

# Methods inherited from class java.lang.Object

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

• •

# **Field Detail**

# **Constructor Detail**

# **♦ TimeSeries**

```
public TimeSeries()
```

Instantiates a new Time series.

#### **♦ TimeSeries**

```
public TimeSeries(java.lang.String label)
```

Instantiates a new Time series.

the integer

Parameters:

label - the label

# Method Detail

```
♦ getLabel
```

Field Detail 17

# ♦ sum public java.lang.Integer sum(int n) Sum integer. Parameters: n - the n Returns: the integer ◊ add public void add(java.lang.Integer resource\_cnt) Add. Parameters: resource\_cnt - the resource cnt ◊ get public java.lang.Integer get(java.lang.Integer time) Get integer. Parameters: time - the time Returns: the integer ♦ size public int size() Size int.

# Skip navigation links

• Overview

Returns:

the int

- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes

- Summary:
- Nested |
- <u>Field</u> |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.config

# **Class SecurityConfiguration**

- java.lang.Object
- org.springframework.security.config.annotation.web.configuration.WebSecurityConfigurerAdapter
  - ♦ ♦ com.modern.codes.lime.config.SecurityConfiguration
- All Implemented Interfaces:

org.springframework.security.config.annotation.SecurityConfigurer<javax.servlet.Filter,org.springframework.security.config.annotation.web.WebSecurityConfigurer<org.springframework.se

```
@EnableGlobalMethodSecurity (prePostEnabled=true)
  @EnableWebSecurity
  @EnableJpaRepositories (basePackageClasses=<u>IUserDAO.class</u>)
  @Configuration
public class SecurityConfiguration
extends org.springframework.security.config.annotation.web.configuration.WebSecurity
```

The type Security configuration.

# Field Summary

Fields

#### **Modifier and Type**

### **Field and Description**

private <u>CustomUserDetailsService</u> <u>userDetailsService</u>

# **Constructor Summary**

Constructors

# **Constructor and Description**

<u>SecurityConfiguration</u>(<u>CustomUserDetailsService</u> userDetailsService) <u>Instantiates a new Security configuration.</u>

# Method Summary

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

```
private org.springframework.security.web.access.AccessDeniedHandler

private org.springframework.security.web.AuthenticationEntryPoint

protected void

protected void

private
org.springframework.security.web.authentication.AuthenticationFailureHandler

private org.springframework.security.crypto.password.PasswordEncoder

private
org.springframework.security.web.authentication.AuthenticationSuccessHandler

$\frac{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\square{\squ
```

# Methods inherited from class org.springframework.security.config.annotation.web.configu

```
authenticationManager, authenticationManagerBean, configure, getApplicationContext, getHttp, init, setApplicationContext, setAuthenticationConfiguration, setContentNegotationStrategy, setObjectPostProcessor, setTrustResolver, userDetailsService, userDetailsServiceBean
```

# Methods inherited from class java.lang.Object

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

# Field Detail

# **◊ userDetailsService**

private final <u>CustomUserDetailsService</u> userDetailsService

•

# **Constructor Detail**

# **♦** SecurityConfiguration

@Autowired
public SecurityConfiguration(<u>CustomUserDetailsService</u> userDetailsService)

Instantiates a new Security configuration.

Parameters:

userDetailsService - the user details service

**♦** 

# **Method Detail**

# **♦** configure

protected void configure(org.springframework.security.config.annotation throws java.lang.Exception

#### Overrides:

configure in

 $class \verb| org.springframework.security.config.annotation.web.configuration|\\$ 

#### Throws:

java.lang.Exception

# **♦** configure

#### Overrides:

configure in

 $class \verb| org.springframework.security.config.annotation.web.configuration|\\$ 

#### Throws

java.lang.Exception

#### ♦ successHandler

private org.springframework.security.web.authentication.Authentication

#### ♦ failureHandler

private org.springframework.security.web.authentication.Authenticatio

Field Detail 22

# ♦ description of accessDeniedHandler

 $\verb|private org.springframework.security.web.access. Access Denied Handler a \verb|authentication Entry Point| \\$ 

private org.springframework.security.crypto.password.PasswordEncoder

# Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.config

# **Class StorageProperties**

- java.lang.Object
- com.modern.codes.lime.config.StorageProperties

@ConfigurationProperties(prefix="storage.properties")
public class StorageProperties
extends java.lang.Object

The type Storage properties.

Fields

# **Modifier and Type**

# Field and Description

private java.lang.String <u>location</u>

•

# **Constructor Summary**

Constructors

### **Constructor and Description**

StorageProperties ()

# **Method Summary**

All Methods Instance Methods Concrete Methods

# **Modifier and Type**

### **Method and Description**

# Methods inherited from class java.lang.Object

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

· •

# **Field Detail**

**◊** location

private java.lang.String location

Constructor Detail

# ♦ StorageProperties

public StorageProperties()

Method Detail

# **◊** getLocation

public java.lang.String getLocation()

Gets location.

Returns:

the location

#### **♦** setLocation

public void setLocation(java.lang.String location)

Sets location.

Parameters:

location - the location

# Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.config

# **Class SwaggerConfig**

- java.lang.Object
- com.modern.codes.lime.config.SwaggerConfig

@Configuration
 @EnableSwagger2
public class SwaggerConfig
extends java.lang.Object

Main configuration class to enable the Swagger UI frontend. It registers all supported controller and describes the API.

# Field Summary

Fields

#### **Modifier and Type**

#### **Field and Description**

```
private java.lang.String apiGroupName

private java.lang.String apiTitle

private java.lang.String apiVersion

static java.lang.String SWAGGER API DOCS ENDPOINT The constant SWAGGER_API_DOCS_ENDPOINT.

static java.lang.String SWAGGER_RESOURCES_ENDPOINT The constant SWAGGER_RESOURCES_ENDPOINT.

static java.lang.String SWAGGER_UI_ENDPOINT The constant SWAGGER_UI_ENDPOINT.
```

# Constructor Summary

Constructors

#### **Constructor and Description**

SwaggerConfig()

# **Method Summary**

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

```
springfox.documentation.spring.web.plugins.Docket Api docket.

private springfox.documentation.service.ApiInfo apiInfo()
```

# Methods inherited from class java.lang.Object

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

# Field Detail

#### ♦ apiVersion

private java.lang.String apiVersion

```
◊ apiTitle
             private java.lang.String apiTitle
    ♦ apiGroupName
             private java.lang.String apiGroupName
    SWAGGER UI ENDPOINT
            public static final java.lang.String SWAGGER_UI_ENDPOINT
      The constant SWAGGER_UI_ENDPOINT.
      See Also:
             Constant Field Values
    ♦ SWAGGER_RESOURCES_ENDPOINT
            public static final java.lang.String SWAGGER_RESOURCES_ENDPOINT
      The constant SWAGGER_RESOURCES_ENDPOINT.
      See Also:
             Constant Field Values
    SWAGGER API DOCS ENDPOINT
            public static final java.lang.String SWAGGER_API_DOCS_ENDPOINT
      The constant SWAGGER_API_DOCS_ENDPOINT.
      See Also:
            Constant Field Values
Constructor Detail
    ♦ SwaggerConfig
            public SwaggerConfig()
Method Detail
    ◊ api
            public springfox.documentation.spring.web.plugins.Docket api()
      Api docket.
      Returns:
             the docket
    ♦ apilnfo
```

#### Skip navigation links

Field Detail 29

private springfox.documentation.service.ApiInfo apiInfo()

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- <u>Frames</u>
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.controller

# **Class BaseController**

- java.lang.Object
- com.modern.codes.lime.controller.BaseController
- Direct Known Subclasses:

<u>ForecastController</u>, <u>FormulaController</u>, <u>JobController</u>, <u>ProductCategoryController</u>, <u>ProductController</u>, <u>ResourceCategoryController</u>, <u>ResourceController</u>, <u>SupplierController</u>, <u>UserController</u>

public abstract class BaseController
extends java.lang.Object

Created by jaroszk on 07.01.2018.

Class BaseController 31

# Field Summary

Fields

#### **Modifier and Type**

# **Field and Description**

LOG

Exception handler for *InvalidRequestException*, translating error into HTTP status code 422 and returning validation errors in the payload of the response.

<u>messageSource</u>

The Message source.

(package private)
org.springframework.context.MessageSource

private static org.slf4j.Logger

# **Constructor Summary**

Constructors

# **Constructor and Description**

BaseController()

# Method Summary

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

# Modifier and Type Method and Description

<u>ValidParam</u>

<u>handleInvalidRequestException</u> (<u>InvalidRequestException</u> ex) Handle invalid request exception valid param.

Methods inherited from class java.lang.Object

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

# Field Detail

# ◊ messageSource

@Autowired
org.springframework.context.MessageSource messageSource

The Message source.

#### **♦ LOG**

```
private static final org.slf4j.Logger LOG
```

Exception handler for *InvalidRequestException*, translating error into HTTP status code 422 and returning validation errors in the payload of the response. InvalidRequestException

# **\***

# **Constructor Detail**

#### **◊** BaseController

public BaseController()

#### **♦**

# **Method Detail**

# ♦ handleInvalidRequestException

```
@ResponseStatus(value=UNPROCESSABLE_ENTITY)
  @ExceptionHandler(value=InvalidRequestException.class)
  @ResponseBody
public ValidParam handleInvalidRequestException(InvalidRequestException)
```

Handle invalid request exception valid param.

Parameters:

ex - the ex

Returns:

the valid param

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:

Field Detail 33

- Nested I
- <u>Field</u> |
- <u>Constr</u> |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.controller

# **Class DevController**

- java.lang.Object

@RestController
 @RequestMapping(path="/dev")
public class DevController
extends java.lang.Object

The type Dev controller.

Fields

Class DevController 35

Modifier ar	Field and Description	
(package private)	<u>DBPopulator</u>	pop The Pop.
(package private)	<u>IUserService</u>	<u>userService</u> The User service.

# **Constructor Summary**

Constructors

# **Constructor and Description**

DevController()

•

# **Method Summary**

All Methods Instance Methods Concrete Methods

# Modifier and Type Method and Description

```
private <u>UserPOJO</u> <u>getActualUser()</u>

java.lang.String <u>getUser()</u>

Gets user.

java.lang.String <u>populate()</u>
Populate string.
```

# Methods inherited from class java.lang.Object

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

# Field Detail

```
◊ pop
```

@Autowired
DBPopulator pop

The Pop. 
◊ userService

@Autowired
<u>IUserService</u> userService

The User service.

#### Constructor Detail

#### **♦ DevController**

public DevController()

**♦** 

## **Method Detail**

#### ◊ populate

```
@GetMapping(path="/populate")
public java.lang.String populate()
```

Populate string.

Returns:

the string

♦ getUser

```
@GetMapping(path="/act-user")
public java.lang.String getUser()
```

Gets user.

Returns:

the user

♦ getActualUser

private <u>UserPOJO</u> getActualUser()

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I

Constructor Detail 37

- <u>Field</u> |
- <u>Constr</u> |
- Method
- Detail:
- Field |
- <u>Constr</u> |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.controller

## Class FileUploadController

- java.lang.Object
- com.modern.codes.lime.controller.FileUploadController

@Controller
 @RequestMapping(path="/file\_management")
public class FileUploadController
extends java.lang.Object

The type File upload controller.

Field Summary

Fields

#### **Modifier and Type**

Field and Description

private <u>IStorageService</u>

storageService

## **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>FileUploadController(IStorageService</u> storageService)

Instantiates a new File upload controller.

# **Method Summary**

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

Method a

void	<pre>deleteFile(java.lang.String filen Delete file.</pre>
<pre>org.springframework.http.ResponseEntity<?></pre>	<pre>handleFileUpload(org.springframew Handle file upload response entity.</pre>
<pre>org.springframework.http.ResponseEntity<?></pre>	<u>handleStorageFileNotFound</u> ( <u>Storage</u> Handle storage file not found response en
<pre>org.springframework.http.ResponseEntity<byte[]></byte[]></pre>	<u>serveFile</u> (java.lang.String filenar Serve file response entity.
Λ	

## Methods inherited from class java.lang.Object

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

## Field Detail

## $\lozenge \ \, \text{storageService}$

private final <a href="IStorageService">IStorageService</a> storageService

## Constructor Detail

### ♦ FileUploadController

public FileUploadController(<u>IStorageService</u> storageService)

Instantiates a new File upload controller.

Field Summary 40

Parameters:

storageService - the storage service

#### **Method Detail**

```
♦ serveFile
```

```
@GetMapping(value="/{filename:.+}")
       @ResponseBody
      public org.springframework.http.ResponseEntity<byte[]> serveFile(@Pat
Serve file response entity.
```

Parameters:

filename - the filename

Returns:

the response entity

#### ♦ handleFileUpload

```
@RequestMapping(value="/",
                method=POST,
                produces="application/json")
public org.springframework.http.ResponseEntity<?> handleFileUpload(@F
```

Handle file upload response entity.

Parameters:

file - the file

Returns:

the response entity

#### ♦ handleStorageFileNotFound

```
@ExceptionHandler(value=StorageFileNotFoundException.class)
public org.springframework.http.ResponseEntity<?> handleStorageFileNo
```

Handle storage file not found response entity.

Parameters:

exc - the exc

Returns:

the response entity

#### ♦ deleteFile

```
@DeleteMapping(value="/{filename:.+}")
@ResponseBody
public void deleteFile(@PathVariable
```

Delete file.

Parameters:

filename - the filename

Constructor Detail 41

### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.controller

## **Class ForecastController**

- java.lang.Object
- <u>com.modern.codes.lime.controller.BaseController</u>
  - ♦ ♦ com.modern.codes.lime.controller.ForecastController

@RestController
 @RequestMapping(path="/forecast")
public class ForecastController
extends BaseController

The type Forecast controller.

## Field Summary

Fields

## Modifier and Type Field and Description

private IForecastService forecastService
private static org.slf4j.Logger LOG

Fields inherited from class com.modern.codes.lime.controller.BaseController

messageSource

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>ForecastController(IForecastService)</u> forecastService) Instantiates a new Forecast controller.

# **Method Summary**

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

### **Method and Description**

```
generateForecast(java.util.List<j
java.lang.String startDate,
java.lang.Integer noDays,
java.lang.Integer noDaysForecast,
java.lang.String chartType)
Generate forecast response entity.

sendForecast(java.util.List<java.
java.lang.String startDate,
java.lang.Integer noDays,
java.lang.Integer noDaysForecast,
java.lang.Integer noDaysForecast,
java.lang.String email,
java.lang.String chartType)
Send forecast.</pre>
```

Methods inherited from class com.modern.codes.lime.controller.<u>BaseController</u>

<u>handleInvalidRequestException</u>

Field Summary 44

## 

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

# Field Detail

#### **◊** forecastService

```
private \underline{\text{IForecastService}} forecastService \Diamond \textbf{LOG}
```

private static final org.slf4j.Logger LOG

## **Constructor Detail**

#### **♦** ForecastController

public ForecastController(<u>IForecastService</u> forecastService)

Instantiates a new Forecast controller.

Parameters:

forecastService - the forecast service

# Method Detail

#### ♦ generateForecast

Generate forecast response entity.

Parameters:

```
productIds - the product ids
startDate - the start date
noDays - the no days
noDaysForecast - the no days forecast
```

chartType - the chart type

#### Returns:

the response entity

#### **◊** sendForecast

#### Send forecast.

#### Parameters:

productIds - the product ids
startDate - the start date
noDays - the no days
noDaysForecast - the no days forecast
email - the email
chartType - the chart type

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |

- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.controller

## **Class FormulaController**

- java.lang.Object
- <u>com.modern.codes.lime.controller.BaseController</u>
  - ♦ ♦ com.modern.codes.lime.controller.FormulaController

@RestController
 @RequestMapping(value="/formula")
public class FormulaController
extends BaseController

The type Formula controller.

## Field Summary

Fields

# Modifier and TypeField and DescriptionprivateIFormulaServiceformulaServiceprivatestatic org.slf4j.LoggerLOG

Fields inherited from class com.modern.codes.lime.controller.BaseController

messageSource

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>FormulaController</u> (<u>IFormulaService</u> formulaService) Instantiates a new Formula controller.

# **Method Summary**

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

```
java.lang.String
getProduct(java.lang.String productId)
Gets product.

java.lang.String
java.lang.String
java.lang.String
java.lang.String
update(java.util.List<Formula> iFormula,
org.springframework.validation.BindingResult bindingResult,
org.springframework.web.util.UriComponentsBuilder b)
Update string.
```

# Methods inherited from class com.modern.codes.lime.controller.<u>BaseController</u>

<u>handleInvalidRequestException</u>

## Methods inherited from class java.lang.Object

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

Field Summary 49

#### Field Detail

#### **♦** formulaService

```
private final IFormulaService formulaService

◊ LOG

private static final org.slf4j.Logger LOG
```

## **Constructor Detail**

#### **♦ FormulaController**

```
public FormulaController(<u>IFormulaService</u> formulaService)
```

Instantiates a new Formula controller.

Parameters:

formulaService - the formula service

## **Method Detail**

#### ♦ getProduct

Gets product.

Parameters:

productId - the product id

Returns:

the product

#### ◊ update

Update string.

Parameters:

```
iFormula - the formula
bindingResult - the binding result
```

Field Detail 50

b - the b

Returns:

the string

## Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.controller

## **Class JobController**

- java.lang.Object
- <u>com.modern.codes.lime.controller.BaseController</u>
  - ♦ ♦ com.modern.codes.lime.controller.JobController

@RestController
 @RequestMapping(value="/job")
public class JobController
extends BaseController

The type Job controller.

Class JobController 52

## Field Summary

Fields

	Modifier and Type	Field and Description
private	<u>IFormulaService</u>	<u>formulaService</u>
private	<u>IJobService</u>	<u>jobService</u>
private	static org.slf4j.Logger	LOG
private	INotificationService	notificationService
private	IResourceService	<u>resourceService</u>
private	<u>IUserService</u>	<u>userService</u>
$\Diamond$		

## Fields inherited from class com.modern.codes.lime.controller.BaseController

<u>messageSource</u>

**Constructor Summary** 

Constructors

#### **Constructor and Description**

<u>JobController(IJobService</u> jobService, <u>IFormulaService</u> formulaService, IResourceService resourceService, <u>IUserService</u> userService, INotificationService notificationService) Instantiates a new Job controller.

# **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

## **Modifier and Type Method and Description** create (Job job, org.springframework.validation.BindingResult bindingResult, java.lang.String org.springframework.web.util.UriComponentsBuilder b) Create string. private <u>UserPOJO</u> getActualUser() java.lang.String Gets all. java.lang.String $\frac{1}{1}$ Gets by name. getByName(java.lang.String userId) java.lang.String Gets product. getProduct(java.lang.String jobId) java.lang.String Gets user.

Field Summary 53

## Methods inherited from class com.modern.codes.lime.controller.<u>BaseController</u>

Methods inherited from class java.lang.Object

<u>handleInvalidRequestException</u>

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

# 

#### **◊ jobService**

private final <u>IJobService</u> jobService

#### ♦ formulaService

private final <a href="IFormulaService">IFormulaService</a> formulaService

#### ♦ resourceService

private final <a href="IResourceService">IResourceService</a> resourceService

#### ♦ userService

private final <u>IUserService</u> userService

#### ◊ notificationService

private final  $\underline{\mbox{INotificationService}}$  notificationService  $\Diamond \mbox{ LOG }$ 

private static final org.slf4j.Logger LOG

## **Constructor Detail**

#### **♦** JobController

Instantiates a new Job controller.

#### Parameters:

jobService - the job service formulaService - the formula service resourceService - the resource service userService - the user service notificationService - the notification service

#### **Method Detail**

```
♦ getUser
         @GetMapping(path="/act-user")
        public java.lang.String getUser()
 Gets user.
 Returns:
         the user
◊ create
         @RequestMapping(value="/create",
                         method=POST,
                          produces="application/json")
         @ResponseBody
        public java.lang.String create(@Validated @RequestBody
 Create string.
 Parameters:
         job - the job
        bindingResult - the binding result
        b - the b
 Returns:
        the string
◊ getProduct
         @RequestMapping(value="/one/{jobId}",
                         method=GET,
                         produces="application/json")
         @ResponseBody
        public java.lang.String getProduct(@PathVariable
 Gets product.
 Parameters:
         jobId - the job id
 Returns:
         the product
♦ getAll
         @RequestMapping(value="/all",
                         method=GET,
                          produces="application/json")
         @ResponseBody
         public java.lang.String getAll()
 Gets all.
 Returns:
         the all
```

#### 

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.controller

## **Class OrderController**

- java.lang.Object
- com.modern.codes.lime.controller.OrderController

@RestController
 @RequestMapping(path="/order")
public class OrderController
extends java.lang.Object

The type Order controller.

Fields

Class OrderController 57

#### **Modifier and Type**

#### **Field and Description**

```
private static org.slf4j.Logger <u>LOG</u>
```

private <u>IResourceService</u> <u>resourceService</u>

## **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>OrderController (IResourceService</u> resourceService)

Instantiates a new Order controller.

# **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

#### **Modifier and Type**

#### **Method and Description**

```
\begin{array}{ll} \text{java.lang.String} & \frac{\text{getResources}}{\text{Gets resources}}. \end{array}
```

send(java.util.Map<java.lang.String,java.lang.Integer> orderLis
org.springframework.validation.BindingResult bindingResult,
org.springframework.web.util.UriComponentsBuilder b)
Send boolean.

 $\Diamond$ 

## Methods inherited from class java.lang.Object

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

# Field Detail

#### ♦ resourceService

```
private final \underline{\mathtt{IResourceService}} resourceService \Diamond \, \, \textbf{LOG}
```

private static final org.slf4j.Logger LOG

## **Constructor Detail**

#### **♦ OrderController**

public OrderController(<u>IResourceService</u> resourceService)

Instantiates a new Order controller.

Field Summary 58

#### Parameters:

resourceService - the resource service

#### **Method Detail**

**♦** send

## ◊ getResources

```
@RequestMapping(value="/get-resources",
                       method=GET,
                       produces="application/json")
       @ResponseBody
      public java.lang.String getResources()
Gets resources.
Returns:
      the resources
       @RequestMapping(value="/send",
                      method=POST,
                       produces="application/json")
       @ResponseBody
```

public java.lang.Boolean send(@Validated @RequestBody

Send boolean.

#### Parameters:

 $\verb|orderList| - the order list|$ bindingResult - the binding result b - the b

#### Returns:

the boolean

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames

59 Constructor Detail

- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.controller

# Class ProductCategoryController

- java.lang.Object
- <u>com.modern.codes.lime.controller.BaseController</u>
  - ♦ ♦ com.modern.codes.lime.controller.ProductCategoryController

@RestController
 @RequestMapping(value="/product-category")
public class ProductCategoryController
extends BaseController

The type Product category controller.

## Field Summary

Fields

Modifier and Type	Field and Description
private static org.slf4j.Logger	LOG
private <u>IProductCategoryService</u>	productCategoryService
private <u>IProductService</u>	<u>productService</u>
٨	

# Fields inherited from class com.modern.codes.lime.controller.<u>BaseController</u>

messageSource

# Constructor Summary

Constructors

#### **Constructor and Description**

ProductCategoryController(IProductCategoryService productCategoryService,
IProductService productService)
Instantiates a new Product category controller.

**♦** 

## **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

<b>Modifier and Type</b>	Method and Description
java.lang.String	<pre>create(Product iProductCategory, org.springframework.validation.BindingResult bindingResult, org.springframework.web.util.UriComponentsBuilder b) Create string.</pre>
java.lang.Boolean	<pre>delete(java.lang.String productCategoryId) Delete boolean.</pre>
java.lang.String	getAll() Gets all.
java.lang.String	<pre>getByName(java.lang.String name) Gets by name.</pre>
java.lang.String	<pre>getProductCategory(java.lang.String productCategoryId) Gets product category.</pre>
java.lang.String	<pre>update(Product iProductCategory, org.springframework.validation.BindingResult bindingResult, org.springframework.web.util.UriComponentsBuilder b) Update string.</pre>

Field Summary 62

## Methods inherited from class com.modern.codes.lime.controller.<u>BaseController</u>

Methods inherited from class java.lang.Object

<u>handleInvalidRequestException</u>

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

# Field Detail

#### ♦ productCategoryService

 $\label{eq:productCategoryService} productCategoryService \\ \Diamond \ \textbf{productService}$ 

private final  $\underline{\text{IProductService}}$  productService  $\Diamond \; \textbf{LOG}$ 

private static final org.slf4j.Logger LOG

## Constructor Detail

#### ♦ ProductCategoryController

public ProductCategoryController(<u>IProductCategoryService</u> productCategoryController(<u>IProductService</u> productService)

Instantiates a new Product category controller.

Parameters:

productCategoryService - the product category service
productService - the product service

## **Method Detail**

#### ♦ create

Create string.

```
Parameters:
         iProductCategory - the product category
        bindingResult - the binding result
        b - the b
 Returns:
         the string
◊ update
         @RequestMapping(value="/update",
                        method=PUT,
                          produces="application/json")
          @ResponseBody
        public java.lang.String update(@Validated @RequestBody
 Update string.
 Parameters:
         iProductCategory - the product category
        bindingResult - the binding result
        b - the b
 Returns:
        the string
♦ getProductCategory
         @RequestMapping(value="/one/{productCategoryId}",
                         method=GET,
                          produces="application/json")
          @ResponseBody
        public java.lang.String getProductCategory(@PathVariable
 Gets product category.
 Parameters:
        productCategoryId - the product category id
 Returns:
        the product category
♦ delete
         @RequestMapping(value="/delete/{productCategoryId}",
                         method=DELETE,
                          produces="application/json")
          @ResponseBody
        public java.lang.Boolean delete(@PathVariable
 Delete boolean.
 Parameters:
        productCategoryId - the product category id
 Returns:
        the boolean
```

#### ♦ getAll

```
@RequestMapping(value="/all",
                         method=GET,
                         produces="application/json")
         @ResponseBody
        public java.lang.String getAll()
 Gets all.
 Returns:
        the all
♦ getByName
        @ResponseBody
         @RequestMapping(value="/get-by-name",
                         method=GET,
                         produces="application/json")
        public java.lang.String getByName(@RequestParam(value="name")
 Gets by name.
 Parameters:
        name - the name
 Returns:
        the by name
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |

- <u>Constr</u> | <u>Method</u>

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.controller

## **Class ProductController**

- java.lang.Object
- <u>com.modern.codes.lime.controller.BaseController</u>
  - ♦ ♦ com.modern.codes.lime.controller.ProductController

@RestController
 @RequestMapping(value="/product")
public class ProductController
extends BaseController

The type Product controller.

Class ProductController 67

## Field Summary

Fields

# Modifier and TypeField and Descriptionprivate static org.slf4j.LoggerLOGprivate IProductServiceproductService

Fields inherited from class com.modern.codes.lime.controller.BaseController

messageSource

## **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>ProductController</u>(<u>IProductService</u> productService)

Instantiates a new Product controller.

**Method Summary** 

All Methods Instance Methods Concrete Methods

<b>Modifier and Type</b>	Method and Description
java.lang.String	<pre>create(Product iProduct, org.springframework.validation.BindingResult bindingResult, org.springframework.web.util.UriComponentsBuilder b) Create string.</pre>
java.lang.Boolean	<pre>delete(java.lang.String productId) Delete boolean.</pre>
java.lang.String	getAll() Gets all.
java.lang.String	<pre>getByName(java.lang.String name) Gets by name.</pre>
java.lang.String	<pre>getProduct(java.lang.String productId) Gets product.</pre>
java.lang.String	<pre>update(Product iProduct, org.springframework.validation.BindingResult bindingResult, org.springframework.web.util.UriComponentsBuilder b) Update string.</pre>

Methods inherited from class com.modern.codes.lime.controller.BaseController

Field Summary 68

• <u>handleInvalidRequestException</u>

## Methods inherited from class java.lang.Object

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

#### **◊ productService**

private final  $\underline{\text{IProductService}}$  productService  $\Diamond \, \, \textbf{LOG}$ 

private static final org.slf4j.Logger LOG

Constructor Detail

#### **♦ ProductController**

public ProductController(IProductService productService)

Instantiates a new Product controller.

Parameters:

productService - the product service

## Method Detail

#### **◊** create

Create string.

Parameters:

iProduct - the product
bindingResult - the binding result
b - the b

Returns:

the string

#### ◊ update

```
@RequestMapping(value="/update",
                          method=PUT,
                          produces="application/json")
          @ResponseBody
        public java.lang.String update(@Validated @RequestBody
 Update string.
 Parameters:
        iProduct - the product
        bindingResult - the binding result
        b - the b
 Returns:
        the string
♦ getProduct
         @RequestMapping(value="/one/{productId}",
                         method=GET,
                          produces="application/json")
         @ResponseBody
        public java.lang.String getProduct(@PathVariable
 Gets product.
 Parameters:
        product Id - the product id
 Returns:
         the product
♦ delete
         @RequestMapping(value="/delete/{productId}",
                          method=DELETE,
                          produces="application/json")
         @ResponseBody
        public java.lang.Boolean delete(@PathVariable
 Delete boolean.
 Parameters:
        productId - the product id
 Returns:
         the boolean
♦ getAll
         @RequestMapping(value="/all",
                         method=GET,
                          produces="application/json")
         @ResponseBody
        public java.lang.String getAll()
 Gets all.
```

```
Returns:
```

the all

## ♦ getByName

Gets by name.

Parameters:

name - the name

Returns:

the by name

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.controller

# **Class ReportController**

- java.lang.Object
- com.modern.codes.lime.controller.ReportController

@RestController
 @RequestMapping(path="/report")
public class ReportController
extends java.lang.Object

The type Report controller.

• • Field Summary

Fields

#### Modifier and Type

#### **Field and Description**

private static org.slf4j.Logger LOG

private IReportService reportService

• Constructor Summary

Constructors

#### **Constructor and Description**

ReportController (IReportService reportService) Instantiates a new Report controller.

Method Summary

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

```
generate(java.lang.String startDa
java.lang.Integer noDays,
java.lang.String chartType,
java.util.List<java.lang.String>
Generate response entity.

send(java.lang.String startDate,
java.lang.String email,
java.lang.Integer noDays,
java.lang.String chartType,
java.util.List<java.lang.String>
Send.
```

Methods inherited from class java.lang.Object

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

Field Detail

◊ reportService

private final  $\underline{\text{IReportService}}$  reportService  $\Diamond$  **LOG** 

private static final org.slf4j.Logger LOG

**Constructor Detail** 

Field Summary 73

#### **♦** ReportController

```
public ReportController(<u>IReportService</u> reportService)
```

Instantiates a new Report controller.

Parameters:

reportService - the report service

**♦** 

#### **Method Detail**

#### ♦ generate

#### Generate response entity.

#### Parameters:

```
startDate - the start date
noDays - the no days
chartType - the chart type
productIds - the product ids
```

#### Returns:

the response entity

#### ♦ send

#### Send.

#### Parameters:

```
startDate - the start date
email - the email
noDays - the no days
chartType - the chart type
```

Constructor Detail 74

#### productIds - the product ids

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.controller

# Class ResourceCategoryController

- java.lang.Object
- <u>com.modern.codes.lime.controller.BaseController</u>
  - ♦ ♦ com.modern.codes.lime.controller.ResourceCategoryController

@RestController
 @RequestMapping(value="/resource-category")
public class ResourceCategoryController
extends BaseController

The type Resource category controller.

#### Field Summary

Fields

	Modifier and Type	Field and Description
private	static org.slf4j.Logger	LOG
private	<u>IResourceCategoryService</u>	resourceCategoryService
private	<u>IResourceService</u>	<u>resourceService</u>
^		

Fields inherited from class com.modern.codes.lime.controller.<u>BaseController</u>

messageSource

# Constructor Summary

Constructors

#### **Constructor and Description**

ResourceCategoryController(IResourceCategoryService resourceCategoryService, IResourceService)
Instantiates a new Resource category controller.

**♦** 

### **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

Modifier and Type	Method and Description
java.lang.String	<pre>create(Resource iProductCategory, org.springframework.validation.BindingResult bindingResult, org.springframework.web.util.UriComponentsBuilder b) Create string.</pre>
java.lang.Boolean	<pre>delete(java.lang.String resourceCategoryId) Delete boolean.</pre>
java.lang.String	getAll() Gets all.
java.lang.String	<pre>getByName(java.lang.String name) Gets by name.</pre>
java.lang.String	<pre>getProductCategory(java.lang.String resourceCategoryId) Gets product category.</pre>
java.lang.String	<pre>update(Resource iProductCategory, org.springframework.validation.BindingResult bindingResult, org.springframework.web.util.UriComponentsBuilder b) Update string.</pre>

Field Summary 77

#### Methods inherited from class com.modern.codes.lime.controller.<u>BaseController</u>

Methods inherited from class java.lang.Object

<u>handleInvalidRequestException</u>

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

# Field Detail

#### ♦ resourceCategoryService

private final  $\underline{\tt IResourceCategoryService}$  resourceCategoryService  $\Diamond$   ${\tt resourceService}$ 

private final  $\underline{\mathtt{IResourceService}}$  resourceService  $\Diamond \; \textbf{LOG}$ 

private static final org.slf4j.Logger LOG

#### Constructor Detail

#### ♦ ResourceCategoryController

public ResourceCategoryController(<u>IResourceCategoryService</u> resourceCategoryController(<u>IResourceService</u> resourceService)

Instantiates a new Resource category controller.

Parameters:

resourceCategoryService - the resource category service resourceService - the resource service

# **Method Detail**

#### ♦ create

Create string.

```
Parameters:
         iProductCategory - the product category
        bindingResult - the binding result
        b - the b
 Returns:
         the string
◊ update
         @RequestMapping(value="/update",
                         method=PUT,
                          produces="application/json")
          @ResponseBody
        public java.lang.String update(@Validated @RequestBody
 Update string.
 Parameters:
         iProductCategory - the product category
        bindingResult - the binding result
        b - the b
 Returns:
        the string
♦ getProductCategory
         @RequestMapping(value="/one/{resourceCategoryId}",
                         method=GET,
                          produces="application/json")
          @ResponseBody
        public java.lang.String getProductCategory(@PathVariable
 Gets product category.
 Parameters:
         resourceCategoryId - the resource category id
 Returns:
        the product category
♦ delete
         @RequestMapping(value="/delete/{resourceCategoryId}",
                         method=DELETE,
                          produces="application/json")
          @ResponseBody
        public java.lang.Boolean delete(@PathVariable
 Delete boolean.
 Parameters:
        resourceCategoryId - the resource category id
 Returns:
        the boolean
```

#### ♦ getAll

```
@RequestMapping(value="/all",
                         method=GET,
                         produces="application/json")
         @ResponseBody
        public java.lang.String getAll()
 Gets all.
 Returns:
        the all
♦ getByName
        @ResponseBody
         @RequestMapping(value="/get-by-name",
                         method=GET,
                         produces="application/json")
        public java.lang.String getByName(@RequestParam(value="name")
 Gets by name.
 Parameters:
        name - the name
 Returns:
        the by name
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |

- <u>Constr</u> | <u>Method</u>

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.controller

#### **Class ResourceController**

- java.lang.Object
- <u>com.modern.codes.lime.controller.BaseController</u>
  - ♦ ♦ com.modern.codes.lime.controller.ResourceController

@RestController
 @RequestMapping(value="/resource")
public class ResourceController
extends BaseController

The type Resource controller.

#### Field Summary

Fields

# Modifier and TypeField and Descriptionprivate static org.slf4j.LoggerLOGprivate IResourceServiceresourceService

Fields inherited from class com.modern.codes.lime.controller.BaseController

messageSource

# Constructor Summary

Constructors

#### **Constructor and Description**

ResourceController (IResourceService resourceService) Instantiates a new Resource controller.

Method Summary

All Methods Instance Methods Concrete Methods

<b>Modifier and Type</b>	Method and Description
java.lang.String	<pre>create(Resource resource, org.springframework.validation.BindingResult bindingResult, org.springframework.web.util.UriComponentsBuilder b) Create string.</pre>
java.lang.Boolean	<pre>delete(java.lang.String resourceId) Delete boolean.</pre>
java.lang.String	getAll() Gets all.
java.lang.String	<pre>getResource(java.lang.String resourceId) Gets resource.</pre>
void	toggleNotification (boolean toggle) Toggle notification.
void	<pre>toggleOrder (boolean toggle) Toggle order.</pre>
java.lang.String	<pre>update(Resource resource, org.springframework.validation.BindingResult bindingResult, org.springframework.web.util.UriComponentsBuilder b) Update string.</pre>

Field Summary 83

#### Methods inherited from class com.modern.codes.lime.controller.<u>BaseController</u>

<u>handleInvalidRequestException</u>

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

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

# Field Detail

#### **◊** resourceService

private final  $\underline{\mathtt{IResourceService}}$  resourceService  $\Diamond \, \, \textbf{LOG}$ 

private static final org.slf4j.Logger LOG

#### **Constructor Detail**

#### **♦** ResourceController

public ResourceController(<u>IResourceService</u> resourceService)

Instantiates a new Resource controller.

Parameters:

resourceService - the resource service

# **Method Detail**

#### ♦ create

#### Create string.

#### Parameters:

 $\begin{tabular}{ll} {\tt resource} \\ {\tt bindingResult} - {\tt the} \begin{tabular}{ll} {\tt binding} \begin{tabular}{ll} {\tt resource} \\ {\tt b-the} \begin{tabular}{ll} {\tt b} \end{tabular}$ 

Returns:

the string  $\Diamond$  **update** 

```
@RequestMapping(value="/update",
                         method=PUT,
                         produces="application/json")
         @ResponseBody
        public java.lang.String update(@Validated @RequestBody
 Update string.
 Parameters:
        resource - the resource
        bindingResult - the binding result
        b - the b
 Returns:
        the string
♦ delete
        @RequestMapping(value="/delete/{resourceId}",
                         method=DELETE,
                          produces="application/json")
         @ResponseBody
        public java.lang.Boolean delete(@PathVariable
 Delete boolean.
 Parameters:
        resourceId - the resource id
 Returns:
        the boolean
♦ getResource
        @RequestMapping(value="/one/{resourceId}",
                         method=GET,
                          produces="application/json")
         @ResponseBody
        public java.lang.String getResource(@PathVariable
 Gets resource.
 Parameters:
        resourceId - the resource id
 Returns:
        the resource
♦ getAll
        @RequestMapping(value="/all",
                         method=GET,
                         produces="application/json")
         @ResponseBody
        public java.lang.String getAll()
```

```
Gets all.
 Returns:
        the all
◊ toggleNotification
        @RequestMapping(value="/toggle-notification/{toggle}",
                         method=GET,
                         produces="application/json")
         @ResponseBody
        public void toggleNotification(@PathVariable
 Toggle notification.
 Parameters:
        toggle - the toggle
♦ toggleOrder
        @RequestMapping(value="/toggle-order/{toggle}",
                        method=GET,
                         produces="application/json")
         @ResponseBody
        public void toggleOrder(@PathVariable
```

Toggle order.

Parameters:

toggle - the toggle

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method

- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.controller

# **Class SupplierController**

- java.lang.Object
- com.modern.codes.lime.controller.BaseController
  - ♦ ♦ com.modern.codes.lime.controller.SupplierController

@RestController
 @RequestMapping(value="/supplier")
public class SupplierController
extends <u>BaseController</u>

The type Supplier controller.

#### Field Summary

Fields

	Modifier and Type	Field and Description
private	static org.slf4j.Logger	LOG
private	<u>IResourceService</u>	<u>resourceService</u>
private	<u>ISupplierService</u>	<u>supplierService</u>
Δ		

Fields inherited from class com.modern.codes.lime.controller.<u>BaseController</u>

messageSource

# Constructor Summary

Constructors

#### **Constructor and Description**

<u>SupplierController</u> (<u>ISupplierService</u> supplierService, <u>IResourceService</u> resourceService)

<u>Instantiates a new Supplier controller.</u>

Mothod S

# Method Summary

All Methods Instance Methods Concrete Methods

#### **Modifier and Type Method and Description** create(SupplierPOJO supplier, org.springframework.validation.BindingResult bindingResult, java.lang.String org.springframework.web.util.UriComponentsBuilder b) Create string. delete(java.lang.String supplierId) void Delete. getAll() java.lang.String Gets all. java.lang.String Gets supplier. getSupplier(java.lang.String supplierId) update (SupplierPOJO supplier, org.springframework.validation.BindingResult bindingResult, java.lang.String org.springframework.web.util.UriComponentsBuilder b) Update string.

Methods inherited from class com.modern.codes.lime.controller.BaseController

Field Summary 89

• <u>handleInvalidRequestException</u>

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

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

#### ◆ Field Detail

#### **♦** supplierService

private final  $\underline{\mathtt{ISupplierService}}$  supplierService  $\Diamond$   $\mathbf{resourceService}$ 

private final  $\underline{\tt IResourceService}$  resourceService  $\Diamond \, \, \textbf{LOG}$ 

private static final org.slf4j.Logger LOG

### **Constructor Detail**

#### **♦** SupplierController

 $\begin{array}{c} \text{public SupplierController}(\underline{\text{ISupplierService}} & \text{supplierService}, \\ \underline{\text{IResourceService}} & \text{resourceService}) \end{array}$ 

Instantiates a new Supplier controller.

Parameters:

supplierService - the supplier service resourceService - the resource service

# Method Detail

#### ♦ create

Create string.

#### Parameters:

supplier - the supplier
bindingResult - the binding result
b - the b

```
Returns:
         the string
◊ update
         @RequestMapping(value="/update",
                         method=PUT,
                          produces="application/json")
         @ResponseBody
        public java.lang.String update(@Validated @RequestBody
 Update string.
 Parameters:
        supplier - the supplier
        bindingResult - the binding result
        b - the b
 Returns:
         the string
♦ delete
         @RequestMapping(value="/delete/{supplierId}",
                         method=DELETE,
                          produces="application/json")
         @ResponseBody
        public void delete(@PathVariable
 Delete.
 Parameters:
         supplierId - the supplier id
♦ getAll
         @RequestMapping(value="/all",
                         method=GET,
                          produces="application/json")
         @ResponseBody
        public java.lang.String getAll()
 Gets all.
 Returns:
        the all
♦ getSupplier
         @RequestMapping(value="/one/{supplierId}",
                          method=GET,
                          produces="application/json")
          @ResponseBody
        public java.lang.String getSupplier(@PathVariable
 Gets supplier.
 Parameters:
         supplierId - the supplier id
```

#### Returns:

#### the supplier

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.controller

#### **Class UserController**

- java.lang.Object
- <u>com.modern.codes.lime.controller.BaseController</u>
  - ♦ ♦ com.modern.codes.lime.controller.UserController

@RestController
 @RequestMapping(value="/user")
public class UserController
extends BaseController

The type User controller.

Class UserController 93

#### Field Summary

Fields

	Modifier and Type	Field and Description
private	static org.slf4j.Logger	LOG
private	<u>IMailService</u>	<u>mailService</u>
private	<u>IRoleService</u>	roleService
private	<u>IUserService</u>	<u>userService</u>
$\Diamond$		

# Fields inherited from class com.modern.codes.lime.controller.BaseController

messageSource

# Constructor Summary

Constructors

#### **Constructor and Description**

<u>UserController(IUserService</u> userService, <u>IRoleService</u> roleService, <u>IMailService</u> mailService)

Instantiates a new User controller.

# Method Summary

All Methods Instance Methods Concrete Methods

<b>Modifier and Type</b>	<b>Method and Description</b>
java.lang.String	<pre>create(User user, org.springframework.validation.BindingResult bindingResult, org.springframework.web.util.UriComponentsBuilder b) Create string.</pre>
java.lang.Boolean	<pre>delete(java.lang.String userId) Delete boolean.</pre>
java.lang.String	getAll() Gets all.
java.lang.String	<pre>getByName(java.lang.String username) Gets by name.</pre>
java.lang.String	getRoles() Gets roles.
java.lang.String	<pre>getUser(java.lang.String userId) Gets user.</pre>
java.lang.String	<pre>update(User user, org.springframework.validation.BindingResult bindingResult, org.springframework.web.util.UriComponentsBuilder b)</pre>

Field Summary 94

#### Modifier and Type

#### **Method and Description**

Update string.

. . . . .

# Methods inherited from class com.modern.codes.lime.controller.<u>BaseController</u>

<u>handleInvalidRequestException</u>

Methods inherited from class java.lang.Object

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

# 

#### **◊** userService

private final <u>IUserService</u> userService

**◊** roleService

private final <u>IRoleService</u> roleService

♦ mailService

private final <a href="MailService">IMailService</a> mailService

**♦ LOG** 

private static final org.slf4j.Logger LOG

#### Constructor Detail

#### **♦ UserController**

Instantiates a new User controller.

#### Parameters:

```
userService - the user service roleService - the role service mailService - the mail service
```

# **Method Detail**

Method Summary 95

#### ♦ create

```
@RequestMapping(value="/create",
                          method=POST,
                          produces="application/json")
          @ResponseBody
        public java.lang.String create(@Validated @RequestBody
 Create string.
 Parameters:
        user - the user
        bindingResult - the binding result
        b - the b
 Returns:
         the string
◊ update
         @RequestMapping(value="/update",
                          method=PUT,
                          produces="application/json")
          @ResponseBody
        public java.lang.String update(@Validated @RequestBody
 Update string.
 Parameters:
        user - the user
        bindingResult - the binding result
        b - the b
 Returns:
        the string
♦ getUser
         @RequestMapping(value="/one/{userId}",
                          method=GET,
                          produces="application/json")
          @ResponseBody
        public java.lang.String getUser(@PathVariable
 Gets user.
 Parameters:
        userId - the user id
 Returns:
        the user
```

#### ♦ delete

```
@RequestMapping(value="/delete/{userId}",
                         method=DELETE,
                         produces="application/json")
         @ResponseBody
        public java.lang.Boolean delete(@PathVariable
 Delete boolean.
 Parameters:
        userId - the user id
 Returns:
        the boolean
♦ getAll
        @RequestMapping(value="/all",
                         method=GET,
                         produces="application/json")
         @ResponseBody
        public java.lang.String getAll()
 Gets all.
 Returns:
        the all
♦ getByName
        @ResponseBody
         @RequestMapping(value="/get-by-username/{username}",
                         method=GET,
                         produces="application/json")
        public java.lang.String getByName(@PathVariable(value="username")
 Gets by name.
 Parameters:
        username - the username
 Returns:
        the by name
♦ getRoles
        @RequestMapping(value="/get-roles",
                         method=GET,
                         produces="application/json")
         @ResponseBody
        public java.lang.String getRoles()
 Gets roles.
 Returns:
        the roles
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- <u>Frames</u>
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.dao

# Interface IBasicCRUDRepository<T,ID extends java.io.Serializable>

- Type Parameters:
  - $\ensuremath{\mathbb{T}}$  the type parameter
  - ID the type parameter

All Superinterfaces:

org.springframework.data.repository.CrudRepository<T,ID>,

org.springframework.data.repository.Repository<T,ID>

All Known Subinterfaces:

<u>IFormulaDAO</u>, <u>IJobDAO</u>, <u>IProductCategoryDAO</u>, <u>IProductDAO</u>, <u>IResourceCategoryDAO</u>, <u>IResourceDAO</u>, <u>IRoleDAO</u>, <u>ISupplierDAO</u>, <u>IUserDAO</u>

@NoRepositoryBean
public interface IBasicCRUDRepository<T,ID extends java.io.Serializable>
extends org.springframework.data.repository.CrudRepository<T,ID>

The interface Basic crud repository.

#### • •

# **Method Summary**

All Methods Instance Methods Abstract Methods

#### Modifier and Type Method and Description

# Methods inherited from interface org.springframework.data.repository.CrudRepository

count, delete, delete, deleteAll, exists, findAll, findOne,
save, save

#### • •

#### **Method Detail**

#### ♦ findAll

```
java.util.List<T> findAll()
```

#### Specified by:

 $\hbox{findAll}\ in$ 

interface org.springframework.data.repository.CrudRepository<<u>T,ID</u>
extends java.io.Serializable>

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |

Method Summary 100

- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.dao

#### Interface IFormulaDAO

• All Superinterfaces:

org.springframework.data.repository.CrudRepository<<u>Formula,java.lang.String</u>>, <u>IBasicCRUDRepository</u><<u>Formula,java.lang.String</u>>, org.springframework.data.repository.Repository<<u>Formula,java.lang.String</u>>

```
@Repository
public interface IFormulaDAO
extends <u>IBasicCRUDRepository</u><<u>Formula</u>, java.lang.String>
```

The interface Formula dao.

# Method Summary

All Methods Instance Methods Abstract Methods

Interface IFormulaDAO 102

# Class Hierarchy **Modifier and Type Method and Description** deleteByProductId(java.lang.String id) void Delete by product id. findByProductId(java.lang.String id) java.util.List<Formula> Find by product id list. findByProductName(java.lang.String productName) java.util.List<Formula> Find by product name list. findByResourceId(java.lang.String id) java.util.List<<u>Formula</u>> Find by resource id list. Methods inherited from interface com.modern.codes.lime.dao.<u>IBasicCRUDRepository</u> findAll **Methods inherited from** interface org.springframework.data.repository.CrudRepository count, delete, delete, delete, deleteAll, exists, findAll, findOne, save, save **Method Detail** ♦ findByProductName java.util.List<<u>Formula</u>> findByProductName(java.lang.String productName) Find by product name list. Parameters: productName - the product name Returns:

```
Find by product name list.

Parameters:

productName - the product name

Returns:

the list

findByProductId

java.util.List<Formula> findByProductId(java.lang.String id)

Find by product id list.

Parameters:

id - the id

Returns:

the list

findByResourceId

java.util.List<Formula> findByResourceId(java.lang.String id)
```

Method Summary 103

Find by resource id list.

Parameters:

id - the id

Returns:

the list

#### **◊** deleteByProductId

void deleteByProductId(java.lang.String id)

Delete by product id.

Parameters:

id - the id

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.dao

#### **Interface IJobDAO**

• All Superinterfaces:

org.springframework.data.repository.CrudRepository<<u>Job</u>,java.lang.String>, <u>IBasicCRUDRepository</u><<u>Job</u>,java.lang.String>, org.springframework.data.repository.Repository<<u>Job</u>,java.lang.String>

```
@Repository
public interface IJobDAO
extends <u>IBasicCRUDRepository</u><<u>Job</u>, java.lang.String>
```

The interface Job dao.

• Method Summary

All Methods Instance Methods Abstract Methods

Interface IJobDAO 105

# **Modifier and Type Method and Description** findByEndDateBetween(java.util.Date begin, java.util.List<<u>Job</u>> java.util.Date end) Find by end date between list. findByProductId(java.lang.String id) java.util.List<<u>Job</u>> Find by product id list. findByStartDateBetween (java.util.Date begin, java.util.Date end) java.util.List<<u>Job</u>> Find by start date between list. findByUserId (java.lang.String id) java.util.List<<u>Job</u>> Find by user id list. Methods inherited from interface com.modern.codes.lime.dao.lBasicCRUDRepository findAll Methods inherited from interface org.springframework.data.repository.CrudRepository count, delete, delete, deleteAll, exists, findAll, findOne, save, save **Method Detail** ♦ findByStartDateBetween java.util.List<<u>Job</u>> findByStartDateBetween(java.util.Date begin, java.util.Date end) Find by start date between list. Parameters: begin - the begin end - the end Returns: the list ♦ findByEndDateBetween java.util.List<<u>Job</u>> findByEndDateBetween(java.util.Date begin, java.util.Date end) Find by end date between list. Parameters: begin - the begin end - the end Returns: the list

Method Summary 106

#### **♦** findByUserId

```
java.util.List<Job> findByUserId(java.lang.String id)

Find by user id list.
Parameters:
    id - the id
Returns:
    the list

findByProductId

java.util.List<Job> findByProductId(java.lang.String id)

Find by product id list.
Parameters:
    id - the id
Returns:
    the list
```

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.dao

# Interface IProductCategoryDAO

• All Superinterfaces:

org.springframework.data.repository.CrudRepository<<u>ProductCategory</u>,java.lang.String>, <u>IBasicCRUDRepository</u><<u>ProductCategory</u>, java.lang.String>,

org.springframework.data.repository.Repository<<u>ProductCategory</u>,java.lang.String>

```
@Repository
public interface IProductCategoryDAO
extends <a href="mailto:IBasicCRUDRepository">IBasicCRUDRepository</a><a href="mailto:ProductCategory">ProductCategory</a>, java.lang.String>
```

The interface Product category dao.

**Method Summary** 

All Methods Instance Methods Abstract Methods

#### **Modifier and Type**

#### **Method and Description**

java.util.List<<u>ProductCategorv</u>>

findByName(java.lang.String name)

Find by name list.

<u>ProductCategory</u>

 $\underline{\texttt{findByProductsId}}\texttt{(java.lang.String productId)}$ 

Find by products id product category.

<u>findByProductsName</u>(java.lang.String productName)

Find by products name product category.

 $\Diamond$ 

# Methods inherited from interface com.modern.codes.lime.dao.<u>IBasicCRUDRepository</u>

<u>findAll</u>

# Methods inherited from interface org.springframework.data.repository.CrudRepository

count, delete, delete, deleteAll, exists, findAll, findOne,
save, save

## Method Detail

#### **♦** findByName

java.util.List<<u>ProductCategory</u>> findByName(java.lang.String name)

Find by name list.

Parameters:

name - the name

Returns:

the list

#### ♦ findByProductsName

ProductCategory findByProductsName(java.lang.String productName)

Find by products name product category.

Parameters:

product Name - the product name

Returns:

the product category

#### ♦ findByProductsId

ProductCategory findByProductsId(java.lang.String productId)

Find by products id product category.

Parameters:

product Id - the product id

Returns:

Method Summary 109

#### the product category

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.dao

## Interface IProductDAO

• All Superinterfaces:

org.springframework.data.repository.CrudRepository<<u>Product</u>,java.lang.String>, <u>IBasicCRUDRepository</u><<u>Product</u>,java.lang.String>, org.springframework.data.repository.Repository<<u>Product</u>,java.lang.String>

```
@Repository
public interface IProductDAO
extends <u>IBasicCRUDRepository<Product</u>, java.lang.String>
```

The interface Product dao.

Method Summary

All Methods Instance Methods Abstract Methods

Interface IProductDAO 111

#### **Modifier and Type Method and Description** findByAddedAtBetween (java.util.Date begin, java.util.List<<u>Product</u>> java.util.Date end) Find by added at between list. findByCategoryId(java.lang.String categoryId) java.util.List<Product> Find by category id list. findByCategoryName(java.lang.String categoryName) java.util.List<<u>Product</u>> Find by category name list. findByName (java.lang.String name) java.util.List<<u>Product</u>> Find by name list. **Methods inherited from**

# interface com.modern.codes.lime.dao.<u>IBasicCRUDRepositorv</u>

findAll

# Methods inherited from interface org.springframework.data.repository.CrudRepository

count, delete, delete, deleteAll, exists, findAll, findOne, save, save

# **Method Detail**

#### ♦ findByName

```
java.util.List<<u>Product</u>> findByName(java.lang.String name)
 Find by name list.
 Parameters:
         name - the name
 Returns:
         the list
♦ findByAddedAtBetween
```

```
java.util.List<<u>Product</u>> findByAddedAtBetween(java.util.Date begin,
                                                 java.util.Date end)
```

Find by added at between list.

Parameters:

begin - the begin end - the end

Returns:

the list

Method Summary 112

#### ♦ findByCategoryName

```
java.util.List<Product> findByCategoryName(java.lang.String categoryName)
```

Find by category name list.

Parameters:

categoryName - the category name

Returns:

the list

#### ♦ findByCategoryId

```
java.util.List<<u>Product</u>> findByCategoryId(java.lang.String categoryId)
```

Find by category id list.

Parameters:

categoryId - the category id

Returns:

the list

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.dao

# Interface IResourceCategoryDAO

• All Superinterfaces:

org.springframework.data.repository.CrudRepository<<u>ResourceCategory</u>,java.lang.String>, <u>IBasicCRUDRepository</u><<u>ResourceCategory</u>,java.lang.String>, org.springframework.data.repository.Repository<<u>ResourceCategory</u>,java.lang.String>

```
@Repository
public interface IResourceCategoryDAO
extends <u>IBasicCRUDRepository</u><<u>ResourceCategory</u>, java.lang.String>
```

The interface Resource category dao.

# Method Summary

All Methods Instance Methods Abstract Methods

#### **Modifier and Type**

#### **Method and Description**

java.util.List<ResourceCategory>
Find by name list.

ResourceCategory

Find by resources id resource category.

Find by resources id resource category.

Find by ResourcesName (java.lang.String resourceName)

ResourceCategory Find by resources name resource category.

 $\Diamond$ 

# Methods inherited from interface com.modern.codes.lime.dao.<u>IBasicCRUDRepository</u>

<u>findAll</u>

# Methods inherited from interface org.springframework.data.repository.CrudRepository

count, delete, delete, deleteAll, exists, findAll, findOne,
save, save

## Method Detail

#### **♦** findByName

java.util.List<<u>ResourceCategory</u>> findByName(java.lang.String name)

Find by name list.

Parameters:

name - the name

Returns:

the list

#### ♦ findByResourcesName

ResourceCategory findByResourcesName(java.lang.String resourceName)

Find by resources name resource category.

Parameters:

resourceName - the resource name

Returns:

the resource category

#### ♦ findByResourcesId

ResourceCategory findByResourcesId(java.lang.String resourceId)

Find by resources id resource category.

Parameters:

resourceId - the resource id

Returns:

Method Summary 115

### the resource category

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr l
- Method

com.modern.codes.lime.dao

#### Interface IResourceDAO

• All Superinterfaces:

org.springframework.data.repository.CrudRepository<<u>Resource</u>,java.lang.String>, <u>IBasicCRUDRepository</u><<u>Resource</u>,java.lang.String>, org.springframework.data.repository.Repository<<u>Resource</u>,java.lang.String>

```
@Repository
public interface IResourceDAO
extends <u>IBasicCRUDRepository</u><<u>Resource</u>, java.lang.String>
```

The interface Resource dao.

Method Summary

All Methods Instance Methods Abstract Methods

Interface IResourceDAO 117

# **Modifier and Type**

#### **Method and Description**

```
findByCategoryId(java.lang.String categoryId)
java.util.List<<u>Resource</u>>
                            Find by category id list.
                            findByCategoryName(java.lang.String categoryName)
java.util.List<Resource>
                            Find by category name list.
                            findByName(java.lang.String name)
java.util.List<Resource>
                            Find by name list.
                            findBySupplierId(java.lang.String supplierId)
java.util.List<Resource>
                            Find by supplier id list.
```

Methods inherited from interface com.modern.codes.lime.dao.<u>IBasicCRUDRepository</u>

findAll

## Methods inherited from interface org.springframework.data.repository.CrudRepository

count, delete, delete, delete, deleteAll, exists, findAll, findOne, save, save

# **Method Detail**

#### ♦ findByName

```
java.util.List<<u>Resource</u>> findByName(java.lang.String name)
```

Find by name list.

Parameters:

name - the name

Returns:

the list

#### ♦ findByCategoryName

java.util.List<<u>Resource</u>> findByCategoryName(java.lang.String category

Find by category name list.

Parameters:

categoryName - the category name

Returns:

the list

#### ♦ findBySupplierId

java.util.List<<u>Resource</u>> findBySupplierId(java.lang.String supplierId

Find by supplier id list.

Parameters:

Method Summary 118

supplierId - the supplier id

Returns:

the list

#### ♦ findByCategoryId

java.util.List<<u>Resource</u>> findByCategoryId(java.lang.String categoryIc

Find by category id list.

Parameters:

categoryId - the category id

Returns:

the list

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.dao

## **Interface IRoleDAO**

• All Superinterfaces:

org.springframework.data.repository.CrudRepository<<u>Role</u>,java.lang.String>, <u>IBasicCRUDRepository</u><<u>Role</u>,java.lang.String>, org.springframework.data.repository.Repository<<u>Role</u>,java.lang.String>

```
@Repository
public interface IRoleDAO
extends <u>IBasicCRUDRepository</u><<u>Role</u>, java.lang.String>
```

The interface Role dao.

# Method Summary

All Methods Instance Methods Abstract Methods

Interface IRoleDAO 120

#### **Modifier and Type**

#### **Method and Description**

# Methods inherited from interface com.modern.codes.lime.dao.<u>lBasicCRUDRepository</u>

findAll

# Methods inherited from interface org.springframework.data.repository.CrudRepository

count, delete, delete, deleteAll, exists, findAll, findOne,
save, save

# Method Detail

#### **♦** findByName

java.util.List<<u>Role</u>> findByName(java.lang.String name)

Find by name list.

Parameters:

name - the name

Returns:

the list

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I

Method Summary 121

- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.dao

# Interface ISupplierDAO

• All Superinterfaces:

org.springframework.data.repository.CrudRepository<<u>Supplier</u>,java.lang.String>, <u>IBasicCRUDRepository</u><<u>Supplier</u>,java.lang.String>, org.springframework.data.repository.Repository<<u>Supplier</u>,java.lang.String>

```
@Repository
public interface ISupplierDAO
extends <u>IBasicCRUDRepository</u><<u>Supplier</u>, java.lang.String>
```

The interface Supplier dao.

# Method Summary

All Methods Instance Methods Abstract Methods

# **Modifier and Type**

#### **Method and Description**

```
findByCity (java.lang.String city)
java.util.List<<u>Supplier</u>>
                            Find by city list.
                            findByCountry(java.lang.String country)
java.util.List<Supplier>
                            Find by country list.
                            findByEmailAddress(java.lang.String emailAddress)
java.util.List<Supplier>
                            Find by email address list.
                            findByName(java.lang.String name)
java.util.List<<u>Supplier</u>>
                            Find by name list.
                            findByPostalCode(java.lang.String postalCode)
java.util.List<Supplier>
                            Find by postal code list.
                            findByTelephone(java.lang.String telephone)
java.util.List<Supplier>
                            Find by telephone list.
```

# Methods inherited from interface com.modern.codes.lime.dao.<u>IBasicCRUDRepository</u>

<u>findAll</u>

# Methods inherited from interface org.springframework.data.repository.CrudRepository

count, delete, delete, deleteAll, exists, findAll, findOne, save, save

# Method Detail

#### ♦ findByEmailAddress

```
java.util.List<<u>Supplier</u>> findByEmailAddress(java.lang.String emailAdd
```

Find by email address list.

Parameters:

emailAddress - the email address

Returns:

the list

#### ♦ findByPostalCode

```
java.util.List<<u>Supplier</u>> findByPostalCode(java.lang.String postalCode
```

Find by postal code list.

Parameters:

postalCode - the postal code

Returns:

the list

Method Summary 124

#### **♦** findByCity

```
java.util.List<<u>Supplier</u>> findByCity(java.lang.String city)
 Find by city list.
 Parameters:
         city - the city
 Returns:
         the list
♦ findByCountry
         java.util.List<<u>Supplier</u>> findByCountry(java.lang.String country)
 Find by country list.
 Parameters:
         country - the country
 Returns:
         the list
♦ findByName
         java.util.List<<u>Supplier</u>> findByName(java.lang.String name)
 Find by name list.
 Parameters:
         name - the name
 Returns:
         the list
♦ findByTelephone
         java.util.List<<u>Supplier</u>> findByTelephone(java.lang.String telephone)
 Find by telephone list.
 Parameters:
         telephone - the telephone
 Returns:
         the list
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class

- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr l
- Method

com.modern.codes.lime.dao

## **Interface IUserDAO**

• All Superinterfaces:

org.springframework.data.repository.CrudRepository<<u>User</u>,java.lang.String>, <u>IBasicCRUDRepository</u><<u>User</u>,java.lang.String>, org.springframework.data.repository.Repository<<u>User</u>,java.lang.String>

```
@Repository
public interface IUserDAO
extends <u>IBasicCRUDRepository</u><<u>User</u>, java.lang.String>
```

The interface User dao.

Method Summary

All Methods Instance Methods Abstract Methods

Interface IUserDAO 127

Class Hierarchy		
<b>Modifier and Type</b>	Method and Description	
java.util.List< <u>User</u> >	<pre>findByJoinedAtBetween(java.util.Date begin, java.util.Date end) Find by joined at between list.</pre>	
java.util.List< <u>User</u> >	<pre>findByName(java.lang.String name) Find by name list.</pre>	
java.util.List< <u>User</u> >	<pre>findByNameAndSurname(java.lang.String name, java.lang.String surname) Find by name and surname list.</pre>	
java.util.List< <u>User</u> >	<pre>findBySurname(java.lang.String surname) Find by surname list.</pre>	
<u>User</u>	<pre>findByUsername(java.lang.String username) Find by username user.</pre>	
<u>User</u>	<pre>findByUsernameOrEmailAddress(java.lang.String username, java.lang.String email) Find by username or email address user.</pre>	
Methods inheritace con	erited from n.modern.codes.lime.dao. <u>lBasicCRUDRepository</u>	
findAll ◊		
Methods inherited from interface org.springframework.data.repository.CrudRepository		
count, delete, save, save	delete, delete, deleteAll, exists, findAll, findOne,	
Method Detail		
<b>◊ findByName</b>		

```
java.util.List<<u>User</u>> findByName(java.lang.String name)
 Find by name list.
 Parameters:
         name - the name
 Returns:
         the list
♦ findBySurname
         java.util.List<<u>User</u>> findBySurname(java.lang.String surname)
 Find by surname list.
 Parameters:
         surname - the surname
 Returns:
```

Method Summary 128

the list

#### ♦ findByUsername

```
User findByUsername(java.lang.String username)
```

Find by username user.

Parameters:

username - the username

Returns:

the user

#### ♦ findByJoinedAtBetween

Find by joined at between list.

Parameters:

begin - the begin end - the end

Returns:

the list

#### ♦ findByNameAndSurname

Find by name and surname list.

Parameters:

name - the name surname - the surname

Returns:

the list

#### ♦ findByUsernameOrEmailAddress

Find by username or email address user.

Parameters:

username - the username email - the email

Returns:

the user

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- <u>Deprecated</u>

- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr I
- Method

com.modern.codes.lime.exception

# Class AlreadyExistsException

- java.lang.Object
- - ♦ \$\dagger\$ java.lang.Exception
    - ♦ java.lang.RuntimeException
      - com.modern.codes.lime.exception.AlreadyExistsException
- All Implemented Interfaces: java.io.Serializable

```
public class AlreadyExistsException
extends java.lang.RuntimeException
```

thrown when an entity with at leas one unique field already exists .

See Also:

Serialized Form

## Field Summary

Fields

#### Modifier and Type Field and Description

private static long serialVersionUID

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>AlreadyExistsException</u> (java.lang.String message) Constructor accepting an error message.

# Method Summary

 $\Diamond$ 

# Methods inherited from class java.lang.Throwable

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

# Methods inherited from class java.lang.Object

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

# Field Detail

#### ♦ serialVersionUID

private static final long serialVersionUID

See Also:

Constant Field Values

# **Constructor Detail**

#### ♦ AlreadyExistsException

public AlreadyExistsException(java.lang.String message)

Constructor accepting an error message.

Field Summary 132

#### Parameters:

message - message

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

Constructor Detail

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr I
- Method

com.modern.codes.lime.exception

# **Class ForbiddenException**

- java.lang.Object
- - ♦ \$\dagger\$ java.lang.Exception
    - - com.modern.codes.lime.exception.ForbiddenException
- All Implemented Interfaces: java.io.Serializable

```
public class ForbiddenException
extends java.lang.RuntimeException
```

thrown when eg. an authentication attempt is not allowed with the given credentials (not details returned).

See Also:

#### Serialized Form

# Field Summary

Fields

#### Modifier and Type Field and Description

private static long serialVersionUID

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>ForbiddenException</u> (java.lang.String message) Constructor accepting an error message.

# Method Summary

 $\Diamond$ 

## Methods inherited from class java.lang.Throwable

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

# Methods inherited from class java.lang.Object

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

# Field Detail

#### ♦ serialVersionUID

private static final long serialVersionUID

See Also:

Constant Field Values

# **Constructor Detail**

Field Summary 135

#### **◊** ForbiddenException

public ForbiddenException(java.lang.String message)

Constructor accepting an error message.

Parameters:

message - message

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

Constructor Detail 136

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.exception

# Class IllegalDataException

- java.lang.Object
- - ♦ ♦ java.lang.Exception
    - ♦ java.lang.RuntimeException
      - com.modern.codes.lime.exception.IllegalDataException
- All Implemented Interfaces: java.io.Serializable

```
public class IllegalDataException
extends java.lang.RuntimeException
```

thrown when the given data is not valid in the current context.

See Also:

Serialized Form

## Field Summary

Fields

#### Modifier and Type Field and Description

private static long serialVersionUID

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>IllegalDataException</u>(java.lang.String message) Constructor accepting an error message.

# Method Summary

 $\Diamond$ 

# Methods inherited from class java.lang.Throwable

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

# Methods inherited from class java.lang.Object

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

# Field Detail

#### ♦ serialVersionUID

private static final long serialVersionUID

See Also:

Constant Field Values

# **Constructor Detail**

#### ♦ IllegalDataException

public IllegalDataException(java.lang.String message)

Constructor accepting an error message.

Field Summary 138

#### Parameters:

message - message

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

Constructor Detail

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.exception

# Class InvalidRequestException

- java.lang.Object
- - ♦ \$\delta\$ java.lang.Exception
    - ♦ java.lang.RuntimeException
      - com.modern.codes.lime.exception.InvalidRequestException
- All Implemented Interfaces: java.io.Serializable

```
public class InvalidRequestException
extends java.lang.RuntimeException
```

thrown when a request is invalid in the current context.

See Also:

Serialized Form

## Field Summary

Fields

# Modifier and TypeField and Descriptionprivate org.springframework.validation.Errorserrorsprivate java.util.Localelocaleprivate static longserialVersionUID

Constructor Summary

Constructors

#### **Constructor and Description**

InvalidRequestException (java.lang.String message,
org.springframework.validation.Errors errors, java.util.Locale locale)
Constructor accepting an error message, an Errors object and a Locale object.

# Method Summary

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

Modifier and Type	<b>Method and Description</b>		
org.springframework.validation.Errors	getErrors () Returns the stored Errors object.		
java.util.Locale	getLocale () Return the stored Locale object.		
♦ Methods inherited from class java.lang.Throwable			
getMessage, getStackTrace, getS	<pre>, getCause, getLocalizedMessage, uppressed, initCause, e, printStackTrace, setStackTrace,</pre>		
	ss java.lang.Object		

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

# Field Detail

wait, wait, wait

Field Summary 141

# **Constructor Detail**

#### ♦ InvalidRequestException

Constructor accepting an error message, an Errors object and a Locale object.

Parameters:

```
message - message
errors - Errors object
locale - Locale object
```

# Method Detail

#### ♦ getErrors

```
public org.springframework.validation.Errors getErrors()
```

Returns the stored Errors object.

Returns:

Errors object

♦ getLocale

```
public java.util.Locale getLocale()
```

Return the stored Locale object.

Returns:

Locale object

#### Skip navigation links

- Overview
- Package
- Class

Field Detail 142

- <u>Tree</u>
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr I
- Method

com.modern.codes.lime.exception

# Class NotAcceptableException

- java.lang.Object
- - ♦ \$\delta\$ java.lang.Exception
    - ♦ java.lang.RuntimeException
      - com.modern.codes.lime.exception.NotAcceptableException
- All Implemented Interfaces: java.io.Serializable

```
public class NotAcceptableException
extends java.lang.RuntimeException
```

exception, thrown when given data is not acceptable. See Also:

Serialized Form

## Field Summary

Fields

#### Modifier and Type Field and Description

private static long serialVersionUID

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>NotAcceptableException</u> (java.lang.String message) Constructor accepting an error message.

# **Method Summary**

 $\Diamond$ 

# Methods inherited from class java.lang.Throwable

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

# Methods inherited from class java.lang.Object

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

## Field Detail

#### ♦ serialVersionUID

private static final long serialVersionUID

See Also:

Constant Field Values

## **Constructor Detail**

#### **♦ NotAcceptableException**

public NotAcceptableException(java.lang.String message)

Constructor accepting an error message.

Field Summary 145

#### Parameters:

message - message

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

Constructor Detail 146

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.exception

# **Class NotFoundException**

- java.lang.Object
- - ♦ \$\delta\$ java.lang.Exception
    - ♦ java.lang.RuntimeException
      - com.modern.codes.lime.exception.NotFoundException
- All Implemented Interfaces: java.io.Serializable

```
public class NotFoundException
extends java.lang.RuntimeException
```

thrown when an entity is not found where it is expected.

See Also:

Serialized Form

## Field Summary

Fields

#### Modifier and Type Field and Description

private static long serialVersionUID

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>NotFoundException</u> (java.lang.String message) Constructor accepting an error message.

# Method Summary

 $\Diamond$ 

# Methods inherited from class java.lang.Throwable

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

# Methods inherited from class java.lang.Object

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

## Field Detail

#### ♦ serialVersionUID

private static final long serialVersionUID

See Also:

Constant Field Values

## **Constructor Detail**

#### **◊ NotFoundException**

public NotFoundException(java.lang.String message)

Constructor accepting an error message.

Field Summary 148

#### Parameters:

message - message

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

Constructor Detail 149

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr I
- Method

com.modern.codes.lime.exception

# Class OperationNotAllowedException

- java.lang.Object
- - ♦ \$\delta\$ java.lang.Exception
    - ♦ java.lang.RuntimeException
      - com.modern.codes.lime.exception.OperationNotAllowedException
- All Implemented Interfaces: java.io.Serializable

```
public class OperationNotAllowedException
extends java.lang.RuntimeException
```

thrown when a contract management API call is not allowed. See Also:

Serialized Form

## Field Summary

Fields

#### Modifier and Type Field and Description

private static long serialVersionUID

# **Constructor Summary**

Constructors

#### **Constructor and Description**

OperationNotAllowedException(java.lang.String message)
Constructor accepting an error message.

# **Method Summary**

 $\Diamond$ 

# Methods inherited from class java.lang.Throwable

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

# Methods inherited from class java.lang.Object

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

## Field Detail

#### ♦ serialVersionUID

private static final long serialVersionUID

See Also:

Constant Field Values

## **Constructor Detail**

#### **♦ OperationNotAllowedException**

public OperationNotAllowedException(java.lang.String message)

Constructor accepting an error message.

Field Summary 151

#### Parameters:

message - message

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

Constructor Detail 152

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr I
- Method

com.modern.codes.lime.exception

# Class ServiceUnavailableException

- java.lang.Object
- - ♦ \$\delta\$ java.lang.Exception
    - ♦ java.lang.RuntimeException
      - com.modern.codes.lime.exception.ServiceUnavailableException
- All Implemented Interfaces: java.io.Serializable

```
public class ServiceUnavailableException
extends java.lang.RuntimeException
```

The type Service unavailable exception.

See Also:

Serialized Form

## Field Summary

Fields

#### Modifier and Type Field and Description

private static long serialVersionUID

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>ServiceUnavailableException</u>(java.lang.String message) Constructor accepting an error message.

# Method Summary

 $\Diamond$ 

# Methods inherited from class java.lang.Throwable

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

# Methods inherited from class java.lang.Object

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

## Field Detail

#### ♦ serialVersionUID

private static final long serialVersionUID

See Also:

Constant Field Values

## **Constructor Detail**

#### ♦ ServiceUnavailableException

public ServiceUnavailableException(java.lang.String message)

Constructor accepting an error message.

Field Summary 154

#### Parameters:

message - message

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

Constructor Detail 155

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.exception

# **Class StorageException**

- java.lang.Object
- - ♦ \$\delta\$ java.lang.Exception
    - ♦ java.lang.RuntimeException
      - com.modern.codes.lime.exception.StorageException
- All Implemented Interfaces:

java.io.Serializable

Direct Known Subclasses:

**StorageFileNotFoundException** 

```
public class StorageException
extends java.lang.RuntimeException
```

The type Storage exception.

See Also:

Serialized Form

# Constructor Summary

Constructors

#### **Constructor and Description**

<u>StorageException</u>(java.lang.String message)
Instantiates a new Storage exception.

<u>StorageException</u>(java.lang.String message, java.lang.Throwable cause) <u>Instantiates a new Storage exception</u>.

# **Method Summary**

 $\Diamond$ 

## Methods inherited from class java.lang.Throwable

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

## Methods inherited from class java.lang.Object

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

# Constructor Detail

#### ♦ StorageException

public StorageException(java.lang.String message)

Instantiates a new Storage exception.

Parameters:

message - the message

#### ♦ StorageException

Instantiates a new Storage exception.

Parameters:

message - the message cause - the cause

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

Constructor Detail 158

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.exception

# Class StorageFileNotFoundException

- java.lang.Object
- - ♦ \$\dagger\$ java.lang.Exception
    - ♦ java.lang.RuntimeException
      - <u>com.modern.codes.lime.exception.StorageException</u>
      - com.modern.codes.lime.exception.StorageFileNotFoundException
- All Implemented Interfaces: java.io.Serializable

 $\label{eq:public_class} $$ StorageFileNotFoundException \\ extends $$ \underline{StorageException}$ $$$ 

The type Storage file not found exception. See Also:

#### Serialized Form

# Constructor Summary

Constructors

#### **Constructor and Description**

<u>StorageFileNotFoundException</u>(java.lang.String message) Instantiates a new Storage file not found exception.

StorageFileNotFoundException(java.lang.String message,
java.lang.Throwable cause)

Instantiates a new Storage file not found exception.

# **Method Summary**

 $\Diamond$ 

## Methods inherited from class java.lang.Throwable

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

## Methods inherited from class java.lang.Object

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

# Constructor Detail

#### **♦ StorageFileNotFoundException**

public StorageFileNotFoundException(java.lang.String message)

Instantiates a new Storage file not found exception.

Parameters:

message - the message

#### ♦ StorageFileNotFoundException

Instantiates a new Storage file not found exception.

Parameters:

message - the message cause - the cause

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

Constructor Detail

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.exception

# Class UnprocessableEntityException

- java.lang.Object
- - ♦ \$\delta\$ java.lang.Exception
    - ♦ java.lang.RuntimeException
      - com.modern.codes.lime.exception.UnprocessableEntityException
- All Implemented Interfaces: java.io.Serializable

```
public class UnprocessableEntityException
extends java.lang.RuntimeException
```

thrown when an entity contains validation errors.

See Also:

Serialized Form

## Field Summary

Fields

# Modifier and TypeField and Descriptionprivate org.springframework.validation.Errorserrorsprivate java.util.Localelocaleprivate static longserialVersionUID

Constructor Summary

Constructors

#### **Constructor and Description**

<u>UnprocessableEntityException</u>(java.lang.String message, org.springframework.validation.Errors errors, java.util.Locale locale)

Constructor accepting an error message, an Errors object and a Locale object.

# **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

Modifier and Type	<b>Method and Description</b>	
org.springframework.validation.Errors	getErrors () Returns the stored Errors object.	
java.util.Locale	getLocale() Return the stored Locale object.	
<pre>addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString</pre>		
$\Diamond$		
Methods inherited from clas	ss java.lang.Object	

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

# Field Detail

wait, wait, wait

Field Summary 163

See Also:

**Constant Field Values** 

• Constructor Detail

### **♦ UnprocessableEntityException**

Constructor accepting an error message, an Errors object and a Locale object.

Parameters:

```
message - message
errors - Errors object
locale - Locale object
```

Method Detail

```
♦ getErrors
```

```
public org.springframework.validation.Errors getErrors()
```

Returns the stored Errors object.

Returns:

Errors object

♦ getLocale

```
public java.util.Locale getLocale()
```

Return the stored Locale object.

Returns:

Locale object

#### Skip navigation links

- Overview
- Package
- Class

Field Detail 164

- <u>Tree</u>
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

Method Detail

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.model

## **Class CustomUserDetails**

- java.lang.Object
- com.modern.codes.lime.model.CustomUserDetails
- All Implemented Interfaces:

java.io.Serializable, org.springframework.security.core.userdetails.UserDetails

```
public class CustomUserDetails
extends java.lang.Object
implements org.springframework.security.core.userdetails.UserDetails
```

The type Custom user details.

See Also:

Serialized Form

## Field Summary

Fields

Modifier and Type	Description
<pre>private java.util.Collection<? extends org.springframework.security.core.GrantedAuthority></pre>	<u>authorities</u>
private boolean	<u>enabled</u>
private java.lang.String	password
private static long	<u>serialVersionUID</u>
private java.lang.String	<u>username</u>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>CustomUserDetails</u> (<u>User</u> user)

Instantiates a new Custom user details.

**♦** 

## **Method Summary**

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

Field and

```
java.util.Collection<? extends</pre>
                                                         getAuthorities()
org.springframework.security.core.GrantedAuthority>
java.lang.String
                                                         getPassword()
java.lang.String
                                                         getUsername()
boolean
                                                         isAccountNonExpired()
boolean
                                                         isAccountNonLocked()
boolean
                                                         isCredentialsNonExpired()
boolean
                                                         isEnabled()
private java.util.Collection<? extends</pre>
                                                         translate(java.util.List<Rol</pre>
org.springframework.security.core.GrantedAuthority>
```

## Methods inherited from class java.lang.Object

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

Field Summary 167

#### Field Detail

```
◊ authorities
              private final java.util.Collection<? extends org.springframework.secu
     ♦ password
              private final java.lang.String password
     ♦ username
              private final java.lang.String username
     ♦ enabled
              private final boolean enabled
     ♦ serialVersionUID
              private static final long serialVersionUID
       See Also:
              Constant Field Values
Constructor Detail
     ♦ CustomUserDetails
              public CustomUserDetails(<u>User</u> user)
       Instantiates a new Custom user details.
       Parameters:
              user - the user
Method Detail
     ◊ getAuthorities
              public java.util.Collection<? extends org.springframework.security.co</pre>
       Specified by:
              \operatorname{getAuthorities} \operatorname{in}
              interface org.springframework.security.core.userdetails.UserDetails
     ♦ getPassword
              public java.lang.String getPassword()
       Specified by:
              getPassword in
              interface org.springframework.security.core.userdetails.UserDetails
```

Field Detail 168

#### ♦ getUsername

```
public java.lang.String getUsername()
 Specified by:
        getUsername in
        interface org.springframework.security.core.userdetails.UserDetails
♦ isAccountNonExpired
        public boolean isAccountNonExpired()
 Specified by:
        \verb|isAccountNonExpired| in
        interface org.springframework.security.core.userdetails.UserDetails
◊ isAccountNonLocked
        public boolean isAccountNonLocked()
 Specified by:
        isAccountNonLocked in
        interface org.springframework.security.core.userdetails.UserDetails
♦ isCredentialsNonExpired
        public boolean isCredentialsNonExpired()
 Specified by:
        \verb|isCredentialsNonExpired| in \\
        interface org.springframework.security.core.userdetails.UserDetails
◊ isEnabled
        public boolean isEnabled()
 Specified by:
        \verb"isEnabled" in
        interface org.springframework.security.core.userdetails.UserDetails
♦ translate
        private java.util.Collection<? extends org.springframework.security.c
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class

Method Detail

- <u>Frames</u>
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

Method Detail 170

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Enum Constants |
- Field |
- Method
- Detail:
- Enum Constants |
- <u>Field</u> |
- Method

com.modern.codes.lime.model

## **Enum FileExtension**

- java.lang.Object
- - ♦ ♦ com.modern.codes.lime.model.FileExtension
- All Implemented Interfaces:

java.io.Serializable, java.lang.Comparable<FileExtension>

public enum FileExtension
extends java.lang.Enum<FileExtension>

The enum File extension.

Enum FileExtension 171

## Enum Constant Summary

**Enum Constants** 

#### **Enum Constant and Description**

GIF

Gif file extension.

JPG

Jpg file extension.

PNG

Png file extension.

**♦** 

## **Field Summary**

Fields

Modifier and Type		Field and Description	
private	int	id	

# **Method Summary**

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type	<b>Method and Description</b>	
static boolean	<pre>exist(java.lang.String str) Exist boolean.</pre>	
int	<pre>getValue() Gets value.</pre>	
static <u>FileExtension</u>	<pre>valueOf(java.lang.String name) Returns the enum constant of this type with the specified name.</pre>	
static FileExtension[]	values () Returns an array containing the constants of this enum type, in the order they are declared.	
Methods inherited from class java.lang.Enum		
<pre>clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, valueOf</pre>		

# Methods inherited from class java.lang.Object

getClass, notify, notifyAll, wait, wait, wait

#### Enum Constant Detail

```
♦ JPG
              public static final FileExtension JPG
       Jpg file extension.
     ♦ PNG
              public static final FileExtension PNG
       Png file extension.
     ♦ GIF
              public static final FileExtension GIF
       Gif file extension.
Field Detail
```

♦ id

private final int id

## **Method Detail**

#### ◊ values

```
public static <u>FileExtension[]</u> values()
```

Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:

```
for (FileExtension c : FileExtension.values())
   System.out.println(c);
```

#### Returns:

an array containing the constants of this enum type, in the order they are declared

#### ◊ valueOf

```
public static <u>FileExtension</u> valueOf(java.lang.String name)
```

Returns the enum constant of this type with the specified name. The string must match exactly an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)

Parameters:

name - the name of the enum constant to be returned.

**Enum Constant Detail** 173

Returns: the enum constant with the specified name Throws: java.lang.IllegalArgumentException - if this enum type has no constant with the specified name java.lang.NullPointerException - if the argument is null ♦ getValue public int getValue() Gets value. Returns: the value ◊ exist public static boolean exist(java.lang.String str) Exist boolean. Parameters: str - the str

#### Skip navigation links

• Overview

Returns:

the boolean

- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Enum Constants |
- Field |
- Method
- Detail:
- Enum Constants |
- Field |

Method Detail 174

• Method

Method Detail 175

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.model

## **Class Formula**

- java.lang.Object
- com.modern.codes.lime.model.Formula
- All Implemented Interfaces: java.io.Serializable

```
@Entity
public class Formula
extends java.lang.Object
implements java.io.Serializable
```

Model representation of a formula used in Lime. See Also:

Serialized Form

Class Formula 176

# ◆ Field Summary

Fields

<b>Modifier and Type</b>		Field and Description
	private java.lang.String	<u>id</u>
	private <u>Product</u>	product
	private <u>Resource</u>	<u>resource</u>
	private static long	<u>serialVersionUID</u>
	private java.lang.Double	<u>value</u>

•

# **Constructor Summary**

Constructors

## **Constructor and Description**

Formula()

**♦** 

# **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

<b>Modifier and Type</b>	<b>Method and Description</b>
java.lang.String	getId() Gets id.
<u>Product</u>	<pre>getProduct() Gets product.</pre>
Resource	<pre>getResource() Gets resource.</pre>
java.lang.Double	getValue() Gets value.
void	<pre>setId(java.lang.String id) Sets id.</pre>
void	<pre>setProduct (Product product) Sets product.</pre>
void	<pre>setResource(Resource resources) Sets resource.</pre>
void	<pre>setValue(java.lang.Double value) Sets value.</pre>

Field Summary 177

## 

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

# Field Detail

## Constant Field Values

## **Constructor Detail**

**♦** Formula

public Formula()

Method Detail

#### ♦ getResource

```
public <u>Resource</u> getResource()
```

Gets resource.

Returns:

the resource

**◊** setResource

public void setResource(<u>Resource</u> resources)

Sets resource.

Parameters:

```
resources - the resources
♦ getProduct
        public Product getProduct()
 Gets product.
 Returns:
         the product
♦ setProduct
        public void setProduct(Product product)
 Sets product.
 Parameters:
        product - the product
♦ getValue
        public java.lang.Double getValue()
 Gets value.
 Returns:
        the value
♦ setValue
        public void setValue(java.lang.Double value)
 Sets value.
 Parameters:
        value - the value
♦ getId
        public java.lang.String getId()
 Gets id.
 Returns:
        the id
♦ setId
        public void setId(java.lang.String id)
 Sets id.
 Parameters:
        id - the id
```

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated

Method Detail 179

- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

Method Detail 180

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.model

## **Class Job**

- java.lang.Object
- com.modern.codes.lime.model.Job
- All Implemented Interfaces: java.io.Serializable

```
@Entity
public class Job
extends java.lang.Object
implements java.io.Serializable
```

Model representation of a job created by Lime user. See Also:

Serialized Form

Class Job 181

## Field Summary

Fields

Modifier and Type	Field and Description
private java.lang.String	<u>details</u>
private java.util.Date	<u>endDate</u>
private java.lang.String	<u>id</u>
private <u>Product</u>	product
private java.lang.Double	<u>resultValue</u>
private static long	<u>serialVersionUID</u>
private java.util.Date	<u>startDate</u>
private <u>User</u>	user

# Constructor Summary

Constructors

### **Constructor and Description**

<u>Job</u>()

# Method Summary

All Methods <u>Static Methods</u> <u>Instance Methods</u> <u>Concrete Methods</u>

<b>Modifier and Type</b>	<b>Method and Description</b>
java.lang.String	<pre>getDetails() Gets details.</pre>
java.util.Date	<pre>getEndDate() Gets end date.</pre>
java.lang.String	getId() Gets id.
Product	<pre>getProduct() Gets product.</pre>
java.lang.Double	<pre>getResultValue() Gets result value.</pre>
static long	<pre>getSerialVersionUID() Gets serial version uid.</pre>
java.util.Date	<pre>getStartDate() Gets start date.</pre>
<u>User</u>	<pre>getUser() Gets user.</pre>

Field Summary 182

Modifier and Type	<b>Method and Description</b>
void	<pre>setDetails(java.lang.String details) Sets details.</pre>
void	<pre>setEndDate(java.util.Date endDate) Sets end date.</pre>
void	<pre>setId(java.lang.String id) Sets id.</pre>
void	<pre>setProduct (Product product) Sets product.</pre>
void	$\underline{\texttt{setResultValue}} \texttt{(java.lang.Double resultValue)}$ $\mathbf{Sets} \ \mathbf{result} \ \mathbf{value}.$
void	<pre>setStartDate(java.util.Date startDate) Sets start date.</pre>
void	<pre>setUser(User user) Sets user.</pre>
$\wedge$	

## Methods inherited from class java.lang.Object

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

## Field Detail

```
private java.lang.String id
product

private Product product

vuser

private User user
details

@NotNull
private java.lang.String details
startDate

@NotNull
private java.util.Date startDate

@NotNull
private java.util.Date endDate
```

Method Summary 183

#### ◊ resultValue

```
@NotNull
   private java.lang.Double resultValue
```

#### ♦ serialVersionUID

private static final long serialVersionUID

See Also:

**Constant Field Values** 

#### **Constructor Detail**

**♦** Job

public Job()

### **Method Detail**

#### **◊** getProduct

```
public Product getProduct()
```

Gets product.

Returns:

the product

#### **◊** setProduct

```
public void setProduct(Product product)
```

Sets product.

Parameters:

product - the product

♦ getId

public java.lang.String getId()

Gets id.

Returns:

the id

♦ setId

public void setId(java.lang.String id)

Sets id.

Parameters:

id - the id

Field Detail 184

```
◊ getUser
         public <u>User</u> getUser()
 Gets user.
 Returns:
         the user
♦ setUser
         public void setUser(<u>User</u> user)
 Sets user.
 Parameters:
         user - the user
♦ getDetails
         public java.lang.String getDetails()
 Gets details.
 Returns:
         the details
♦ setDetails
         public void setDetails(java.lang.String details)
 Sets details.
 Parameters:
         details - the details
♦ getStartDate
         public java.util.Date getStartDate()
 Gets start date.
 Returns:
         the start date
♦ setStartDate
         public void setStartDate(java.util.Date startDate)
 Sets start date.
 Parameters:
         startDate - the start date
♦ getEndDate
         public java.util.Date getEndDate()
 Gets end date.
 Returns:
         the end date
```

#### **♦** setEndDate

```
public void setEndDate(java.util.Date endDate)
```

Sets end date.

Parameters:

endDate - the end date

#### ♦ getResultValue

```
public java.lang.Double getResultValue()
```

Gets result value.

Returns:

the result value

#### ♦ setResultValue

public void setResultValue(java.lang.Double resultValue)

Sets result value.

Parameters:

result Value - the result value

#### ♦ getSerialVersionUID

public static long getSerialVersionUID()

Gets serial version uid.

Returns:

the serial version uid

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |

- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.model

## **Class Product**

- java.lang.Object
- All Implemented Interfaces: java.io.Serializable

```
@Entity
public class Product
extends java.lang.Object
implements java.io.Serializable
```

Model representation of a product added in Lime. See Also:

Serialized Form

Class Product 188

## Field Summary

Fields

	Modifier and Type	Field and Description
private	java.util.Date	addedAt
private	ProductCategory	<u>category</u>
private	java.lang.String	description
private	java.lang.Double	<u>expectedValue</u>
private	<pre>java.util.List&lt;<u>Formula</u>&gt;</pre>	<u>formulas</u>
private	java.lang.String	<u>id</u>
private	java.lang.String	<u>image</u>
private	java.util.List< <u>Job</u> >	<u>jobs</u>
private	static int	MAX LENGTH DESC
private	static int	MAX LENGTH NAME
private	java.lang.String	<u>name</u>
private	static long	<u>serialVersionUID</u>
private	<u>Unit</u>	<u>unit</u>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

Product()

# **Method Summary**

All Methods Static Methods Instance Methods Concrete Methods

<b>Modifier and Type</b>	Method and Description
java.util.Date	getAddedAt () Return the product creation date.
ProductCategory	<pre>getCategory() Gets category.</pre>
java.lang.String	getDescription() Return the product description.
java.lang.Double	<pre>getExpectedValue() Gets expected value.</pre>
java.util.List< <u>Formula</u> >	getFormulas () Gets formulas

Field Summary 189

<b>Modifier and Type</b>	<b>Method and Description</b>
java.lang.String	getId() Get the id of the entity.
java.lang.String	<pre>getImage() Gets image.</pre>
java.util.List< <u>Job</u> >	get Jobs () Gets jobs.
java.lang.String	getName() Return the product name.
static long	<pre>getSerialVersionUID() Gets serial version uid.</pre>
<u>Unit</u>	<pre>getUnit() Gets unit.</pre>
void	<pre>setAddedAt(java.util.Date addedAt) Sets added at.</pre>
void	<pre>setCategory (ProductCategory category) Sets category.</pre>
void	<pre>setDescription(java.lang.String description) Set the product description.</pre>
void	<pre>setExpectedValue(java.lang.Double expectedValue) Sets expected value.</pre>
void	<pre>setFormulas(java.util.List<formula> formulas) Sets formulas.</formula></pre>
void	<pre>setId(java.lang.String id) Set the id of the entity.</pre>
void	<pre>setImage(java.lang.String image) Sets image.</pre>
void	<pre>setJobs(java.util.List<job> jobs) Sets jobs.</job></pre>
void	<pre>setName(java.lang.String name) Set the product name.</pre>
void	<pre>setUnit(Unit unit) Sets unit.</pre>
void	<pre>updateTimeStamps() Update time stamps.</pre>
	And from along love love Object

# Methods inherited from class java.lang.Object

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

## Field Detail

Method Summary 190

```
◊ id
        private java.lang.String id
♦ name
        @NotNull
         @Size(max=50)
        private java.lang.String name
♦ description
        @NotNull
         @Size(max=250)
        private java.lang.String description
◊ unit
        @NotNull
        private <u>Unit</u> unit
♦ addedAt
        private java.util.Date addedAt
♦ category
        private <a href="ProductCategory">ProductCategory</a> category
♦ image
        @NotNull
        private java.lang.String image
♦ expectedValue
        @NotNull
        private java.lang.Double expectedValue
◊ jobs
        private java.util.List<<u>Job</u>> jobs
♦ formulas
        private java.util.List<<u>Formula</u>> formulas
♦ serialVersionUID
        private static final long serialVersionUID
 See Also:
        Constant Field Values
♦ MAX_LENGTH_NAME
        private static final int MAX_LENGTH_NAME
 See Also:
        Constant Field Values
♦ MAX_LENGTH_DESC
        private static final int MAX_LENGTH_DESC
 See Also:
```

Field Detail 191

#### **Constant Field Values**

## **Constructor Detail**

#### **♦ Product**

public Product()

## **Method Detail**

```
♦ updateTimeStamps
```

```
public void updateTimeStamps()
```

Update time stamps.

#### ◊ getId

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

Get the id of the entity.

Returns:

entity id

♦ setId

```
public void setId(java.lang.String id)
```

Set the id of the entity.

Parameters:

id - entity id

#### ♦ getName

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

Return the product name.

Returns:

The product name

#### **♦** setName

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

Set the product name.

Parameters:

name - The product name

#### **◊** getDescription

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

Return the product description.

Returns:

Constructor Detail 192

The product description

### **♦** setDescription

```
public void setDescription(java.lang.String description)
 Set the product description.
 Parameters:
         description - The product description
♦ getAddedAt
         public java.util.Date getAddedAt()
 Return the product creation date.
 Returns:
         The product creation date
♦ setAddedAt
         public void setAddedAt(java.util.Date addedAt)
 Sets added at.
 Parameters:
         addedAt - the added at
♦ getUnit
         public Unit getUnit()
 Gets unit.
 Returns:
         the unit
♦ setUnit
         public void setUnit(<u>Unit</u> unit)
 Sets unit.
 Parameters:
         unit - the unit
♦ getJobs
         public java.util.List<<u>Job</u>> getJobs()
 Gets jobs.
 Returns:
         the jobs
♦ setJobs
         public void setJobs(java.util.List<<u>Job</u>> jobs)
 Sets jobs.
 Parameters:
         jobs - the jobs
```

```
◊ getCategory
        public ProductCategory getCategory()
 Gets category.
 Returns:
         the category
♦ setCategory
         public void setCategory(ProductCategory category)
 Sets category.
 Parameters:
         category - the category
♦ getImage
        public java.lang.String getImage()
 Gets image.
 Returns:
         the image
♦ setImage
        public void setImage(java.lang.String image)
 Sets image.
 Parameters:
         image - the image
♦ getExpectedValue
        public java.lang.Double getExpectedValue()
 Gets expected value.
 Returns:
         the expected value
♦ setExpectedValue
        public void setExpectedValue(java.lang.Double expectedValue)
 Sets expected value.
 Parameters:
         expectedValue - the expected value
♦ getFormulas
        public java.util.List<<u>Formula</u>> getFormulas()
 Gets formulas.
 Returns:
         the formulas
```

#### **◊** setFormulas

public void setFormulas(java.util.List<<u>Formula</u>> formulas)

Sets formulas.

Parameters:

formulas - the formulas

#### ♦ getSerialVersionUID

public static long getSerialVersionUID()

Gets serial version uid.

Returns:

the serial version uid

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.model

## **Class ProductCategory**

- java.lang.Object
- All Implemented Interfaces: java.io.Serializable

```
@Entity
public class ProductCategory
extends java.lang.Object
implements java.io.Serializable
```

The type Product category.

See Also:

Serialized Form

## Field Summary

Fields

	Modifier and Type	Field and Description
private	java.lang.String	<u>id</u>
private	static int	MAX LENGTH NAME
private	java.lang.String	<u>name</u>
private	<pre>java.util.List&lt;<u>Product</u>&gt;</pre>	products
private	static long	<u>serialVersionUID</u>

## **Constructor Summary**

Constructors

#### **Constructor and Description**

ProductCategory()

Method Summary

All Methods Instance Methods Concrete Methods

<b>Modifier and Type</b>	<b>Method and Description</b>
java.lang.String	getId() Gets id.
java.lang.String	getName() Gets name.
<pre>java.util.List&lt;<u>Product</u>&gt;</pre>	<pre>getProducts() Gets products.</pre>
void	<pre>setId(java.lang.String id) Sets id.</pre>
void	<pre>setName(java.lang.String name) Sets name.</pre>
void	<pre>setProducts(java.util.List<product> products) Sets products.</product></pre>
$\Diamond$	

## Methods inherited from class java.lang.Object

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

Field Summary 197

#### Field Detail

```
◊ id
             private java.lang.String id
     ♦ products
             private java.util.List<<u>Product</u>> products
     ♦ name
             @NotNull
              @Size(max=50)
             private java.lang.String name
     ♦ MAX LENGTH NAME
             private static final int MAX_LENGTH_NAME
       See Also:
             Constant Field Values
     ◊ serialVersionUID
             private static final long serialVersionUID
       See Also:
             Constant Field Values
Constructor Detail
     ♦ ProductCategory
             public ProductCategory()
Method Detail
     ♦ getId
             public java.lang.String getId()
      Gets id.
       Returns:
             the id
     ♦ setId
             public void setId(java.lang.String id)
       Sets id.
       Parameters:
             id - the id
```

Field Detail 198

### ♦ getProducts

```
public java.util.List<<u>Product</u>> getProducts()
 Gets products.
 Returns:
         the products
◊ setProducts
         public void setProducts(java.util.List<<u>Product</u>> products)
 Sets products.
 Parameters:
         products - the products
♦ getName
         public java.lang.String getName()
 Gets name.
 Returns:
         the name
◊ setName
         public void setName(java.lang.String name)
 Sets name.
 Parameters:
         name - the name
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |

- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.model

## **Class Resource**

- java.lang.Object
- All Implemented Interfaces: java.io.Serializable

@Entity
public class Resource
extends java.lang.Object
implements java.io.Serializable

Model representation of a resource used in Lime. See Also:

Serialized Form

Class Resource 201

## Field Summary

Fields

	Modifier and Type	Field and Description
private	ResourceCategory	category
private	java.lang.Double	critical value
private	java.lang.String	description
private	<pre>java.util.List&lt;<u>Formula</u>&gt;</pre>	<u>formulas</u>
private	java.lang.String	<u>id</u>
private	java.lang.String	<u>image</u>
private	static int	MAX LENGTH DESC
private	static int	MAX LENGTH NAME
private	java.lang.String	<u>name</u>
private	java.lang.Boolean	notifications on
private	java.lang.Boolean	ordering on
private	java.lang.Double	<u>quantity</u>
private	static long	<u>serialVersionUID</u>
private	Supplier	supplier
private	<u>Unit</u>	<u>unit</u>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

Resource()

# **Method Summary**

All Methods Static Methods Instance Methods Concrete Methods

<b>Modifier and Type</b>	Method and Description
ResourceCategory	<pre>getCategory() Gets category.</pre>
java.lang.Double	<pre>getCritical value() Gets critical value.</pre>
java.lang.String	getDescription() Return the resource description.
java.util.List< <u>Formula</u> >	getFormulas() Gets formulas.

Field Summary 202

<b>Modifier and Type</b>	Method and Description
java.lang.String	<pre>getId() Get the id of the entity.</pre>
java.lang.String	<pre>getImage() Gets image.</pre>
java.lang.String	getName() Return the resource name.
java.lang.Boolean	<pre>getNotifications on() Gets notifications on.</pre>
java.lang.Boolean	<pre>getOrdering on() Gets ordering on.</pre>
java.lang.Double	<pre>getQuantity() Gets quantity.</pre>
static long	<pre>getSerialVersionUID() Gets serial version uid.</pre>
Supplier	<pre>getSupplier() Gets supplier.</pre>
<u>Unit</u>	getUnit() Return the resource unit.
void	<pre>setCategory (ResourceCategory category) Sets category.</pre>
void	<pre>setCritical value(java.lang.Double critical_value) Sets critical value.</pre>
void	<pre>setDescription(java.lang.String description) Set the resource description.</pre>
void	<pre>setFormulas(java.util.List<formula> formulas) Sets formulas.</formula></pre>
void	<pre>setId(java.lang.String id) Set the id of the entity.</pre>
void	<pre>setImage(java.lang.String image) Sets image.</pre>
void	<pre>setName(java.lang.String name) Set the resource name.</pre>
void	<pre>setNotifications on(java.lang.Boolean notifications_on) Sets notifications on.</pre>
void	<pre>setOrdering on(java.lang.Boolean ordering_on) Sets ordering on.</pre>
void	<pre>setQuantity(java.lang.Double quantity) Sets quantity.</pre>
void	<pre>setSupplier(Supplier supplier) Sets supplier.</pre>
void	<pre>setUnit (Unit unit) Set the resource unit.</pre>

Method Summary 203

## Methods inherited from class java.lang.Object

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

# 

```
◊ id
        private java.lang.String id
♦ name
        @NotNull
         @Size(max=50)
        private java.lang.String name
◊ description
        @NotNull
         @Size(max=250)
        private java.lang.String description
◊ unit
        @NotNull
        private <u>Unit</u> unit
♦ quantity
        @NotNull
        private java.lang.Double quantity
◊ critical_value
        @NotNull
        private java.lang.Double critical_value
♦ notifications on
        @NotNull
        private java.lang.Boolean notifications_on
♦ ordering on
        @NotNull
        private java.lang.Boolean ordering_on
♦ category
        private ResourceCategory category
♦ image
        @NotNull
        private java.lang.String image
♦ supplier
        private <u>Supplier</u> supplier
```

# Class Hierarchy ♦ formulas private java.util.List<<u>Formula</u>> formulas ♦ serialVersionUID private static final long serialVersionUID See Also: Constant Field Values **♦ MAX\_LENGTH\_NAME** private static final int MAX\_LENGTH\_NAME See Also: **Constant Field Values ♦ MAX\_LENGTH\_DESC** private static final int MAX\_LENGTH\_DESC See Also: **Constant Field Values Constructor Detail ♦** Resource

public Resource()

**Method Detail** 

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

Get the id of the entity.
Returns:
        entity id

        setId

        public void setId(java.lang.String id)

Set the id of the entity.
Parameters:
        id - entity id

        getName

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

Return the resource name.

Returns:

Field Detail 205

The resource name

```
◊ setName
```

```
public void setName(java.lang.String name)
 Set the resource name.
 Parameters:
         name - The resource name
◊ getDescription
         public java.lang.String getDescription()
 Return the resource description.
 Returns:
         The resource description
◊ setDescription
         public void setDescription(java.lang.String description)
 Set the resource description.
 Parameters:
         description - The resource description
♦ getUnit
         public Unit getUnit()
 Return the resource unit.
 Returns:
         The resource unit
♦ setUnit
         public void setUnit(<u>Unit</u> unit)
 Set the resource unit.
 Parameters:
         unit - The resource unit
♦ getCategory
         public <u>ResourceCategory</u> getCategory()
 Gets category.
 Returns:
         the category
♦ setCategory
         public void setCategory(<u>ResourceCategory</u> category)
 Sets category.
```

Method Detail 206

category - the category

Parameters:

# ♦ getQuantity public java.lang.Double getQuantity() Gets quantity. Returns: the quantity **♦** setQuantity public void setQuantity(java.lang.Double quantity) Sets quantity. Parameters: quantity - the quantity ♦ getCritical\_value public java.lang.Double getCritical\_value() Gets critical value. Returns: the critical value ♦ setCritical value public void setCritical\_value(java.lang.Double critical\_value) Sets critical value. Parameters: critical\_value - the critical value ♦ getNotifications\_on public java.lang.Boolean getNotifications\_on() Gets notifications on. Returns: the notifications on ♦ setNotifications on public void setNotifications\_on(java.lang.Boolean notifications\_on) Sets notifications on. Parameters: notifications\_on - the notifications on ♦ getOrdering on public java.lang.Boolean getOrdering\_on() Gets ordering on. Returns:

Method Detail 207

the ordering on

# ♦ setOrdering\_on public void setOrdering\_on(java.lang.Boolean ordering\_on) Sets ordering on. Parameters: ordering\_on - the ordering on ♦ getImage public java.lang.String getImage() Gets image. Returns: the image ♦ setImage public void setImage(java.lang.String image) Sets image. Parameters: image - the image ♦ getSupplier public <u>Supplier</u> getSupplier() Gets supplier. Returns: the supplier **◊** setSupplier public void setSupplier(Supplier supplier) Sets supplier. Parameters: supplier - the supplier ♦ getFormulas public java.util.List<<u>Formula</u>> getFormulas() Gets formulas. Returns: the formulas **◊** setFormulas public void setFormulas(java.util.List<<u>Formula</u>> formulas) Sets formulas. Parameters:

Method Detail 208

formulas - the formulas

### ♦ getSerialVersionUID

public static long getSerialVersionUID()

Gets serial version uid.

Returns:

the serial version uid

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.model

## **Class ResourceCategory**

- java.lang.Object
- com.modern.codes.lime.model.ResourceCategory
- All Implemented Interfaces: java.io.Serializable

```
@Entity
public class ResourceCategory
extends java.lang.Object
implements java.io.Serializable
```

The type Resource category.

See Also:

Serialized Form

## Field Summary

Fields

	Modifier and Type	Field and Description
private	java.lang.String	<u>id</u>
private	static int	MAX LENGTH NAME
private	java.lang.String	<u>name</u>
private	<pre>java.util.List&lt;<u>Resource</u>&gt;</pre>	resources
private	static long	<u>serialVersionUID</u>

## **Constructor Summary**

Constructors

#### **Constructor and Description**

**Modifier and Type** 

ResourceCategory()

Method Summary

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

java.lang.String	getId() Gets id.
java.lang.String	getName() Gets name.
<pre>java.util.List&lt;<u>Resource</u>&gt;</pre>	getResources () Gets resources.
void	<pre>setId(java.lang.String id) Sets id.</pre>
void	<pre>setName(java.lang.String name) Sets name.</pre>
void	<pre>setResources(java.util.List<resource> resources)</resource></pre>

**Method and Description** 

## Methods inherited from class java.lang.Object

Sets resources.

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

Field Summary 211

#### Field Detail

```
◊ id
             private java.lang.String id
     ♦ resources
             private java.util.List<<u>Resource</u>> resources
     ♦ name
             @NotNull
              @Size(max=50)
             private java.lang.String name
     ♦ MAX LENGTH NAME
             private static final int MAX_LENGTH_NAME
       See Also:
             Constant Field Values
     ◊ serialVersionUID
             private static final long serialVersionUID
       See Also:
             Constant Field Values
Constructor Detail
     ♦ ResourceCategory
             public ResourceCategory()
Method Detail
     ♦ getId
             public java.lang.String getId()
      Gets id.
       Returns:
             the id
     ♦ setId
             public void setId(java.lang.String id)
       Sets id.
       Parameters:
             id - the id
```

Field Detail 212

### ♦ getResources

Sets name.
Parameters:

name - the name

```
public java.util.List<<u>Resource</u>> getResources()
 Gets resources.
 Returns:
         the resources
♦ setResources
        public void setResources(java.util.List<<u>Resource</u>> resources)
 Sets resources.
 Parameters:
         resources - the resources
♦ getName
        public java.lang.String getName()
 Gets name.
 Returns:
         the name
◊ setName
        public void setName(java.lang.String name)
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |

- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.model

## **Class Role**

- java.lang.Object
- com.modern.codes.lime.model.Role

@Entity
public class Role
extends java.lang.Object

Model representation of a user role in Lime.

Fields

Class Role 215

### **Modifier and Type**

#### **Field and Description**

```
private java.lang.String <a href="mailto:id">id</a>
private java.lang.String <a href="mailto:name">name</a>
private java.util.List<<a href="mailto:User">Users</a>
```

## **Constructor Summary**

Constructors

#### **Constructor and Description**

Role()

.

## **Method Summary**

All Methods Instance Methods Concrete Methods

Modifier and Type	<b>Method and Description</b>
java.lang.String	getId() Gets id.
java.lang.String	getName () Gets name.
java.util.List< <u>User</u> >	getUsers() Gets users.
void	<pre>setId(java.lang.String id) Sets id.</pre>
void	<pre>setName(java.lang.String name) Sets name.</pre>
void	<pre>setUsers(java.util.List<user> users) Sets users.</user></pre>
$\Diamond$	

## Methods inherited from class java.lang.Object

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

# Field Detail

◊ id

private java.lang.String id

Field Summary 216

```
◊ name
              private java.lang.String name
     ♦ users
              private java.util.List<<u>User</u>> users
Constructor Detail
     ♦ Role
              public Role()
Method Detail
     ♦ getUsers
              public java.util.List<<u>User</u>> getUsers()
       Gets users.
       Returns:
              the users
     ♦ setUsers
              public void setUsers(java.util.List<<u>User</u>> users)
       Sets users.
       Parameters:
              users - the users
     ◊ getId
              public java.lang.String getId()
       Gets id.
       Returns:
              the id
     ♦ setId
              public void setId(java.lang.String id)
       Sets id.
       Parameters:
              id - the id
     ♦ getName
              public java.lang.String getName()
       Gets name.
       Returns:
              the name
```

Field Detail 217

#### **◊** setName

public void setName(java.lang.String name)

Sets name.

Parameters:

name - the name

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.model

## **Class Supplier**

- java.lang.Object
- com.modern.codes.lime.model.Supplier
- All Implemented Interfaces: java.io.Serializable

@Entity
public class Supplier
extends java.lang.Object
implements java.io.Serializable

Model representation of a supplier in Lime. See Also:

Serialized Form

Class Supplier 219

## ◆ Field Summary

Fields

Modifier and Type	Field and Description
private java.lang.String	city
private java.lang.String	country
private java.lang.String	<u>emailAddress</u>
private java.lang.String	<u>id</u>
private static int	MAX LENGTH CITY
private static int	MAX LENGTH COUNTRY
private static int	MAX LENGTH EMAIL
private static int	MAX LENGTH NAME
private static int	MAX LENGTH POSTAL CODE
private static int	MAX LENGTH STREET
private static int	MAX LENGTH TELEPHONE
private java.lang.String	name
private java.lang.String	<u>postalCode</u>
<pre>private java.util.List&lt;<u>Resource</u>&gt;</pre>	resources
private static long	<u>serialVersionUID</u>
private java.lang.String	<u>street</u>
private java.lang.String	<u>telephone</u>

# **Constructor Summary**

Constructors

## **Constructor and Description**

Supplier()

## **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

<b>Modifier and Type</b>	Method and Description
java.lang.String	getCity() Gets city.
java.lang.String	<pre>getCountry() Gets country.</pre>
java.lang.String	<pre>getEmailAddress()</pre>

Field Summary 220

<b>Modifier and Type</b>	<b>Method and Description</b>
	Gets email address.
java.lang.String	getId() Gets id.
java.lang.String	getName() Gets name.
java.lang.String	<pre>getPostalCode() Gets postal code.</pre>
java.util.List< <u>Resource</u> >	<pre>getResources() Gets resources.</pre>
java.lang.String	<pre>getStreet() Gets street.</pre>
java.lang.String	<pre>getTelephone() Gets telephone.</pre>
void	<pre>setCity(java.lang.String city) Sets city.</pre>
void	<pre>setCountry(java.lang.String country) Sets country.</pre>
void	<pre>setEmailAddress(java.lang.String emailAddress) Sets email address.</pre>
void	<pre>setId(java.lang.String id) Sets id.</pre>
void	<pre>setName(java.lang.String name) Sets name.</pre>
void	<pre>setPostalCode(java.lang.String postalCode) Sets postal code.</pre>
void	<pre>setResources(java.util.List<resource> resources) Sets resources.</resource></pre>
void	<pre>setStreet(java.lang.String street) Sets street.</pre>
void	<pre>setTelephone(java.lang.String telephone) Sets telephone.</pre>
♦ Mothada inharita	nd from along ious long Object

## Methods inherited from class java.lang.Object

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

## Field Detail

Method Summary 221

```
◊ id
        private java.lang.String id
♦ name
        @NotNull
         @Size(max=50)
        private java.lang.String name
♦ emailAddress
        @NotEmpty
         @Email
         @Size(max=240)
        private java.lang.String emailAddress
♦ postalCode
        @NotEmpty
         @Size(max=10)
        private java.lang.String postalCode
♦ city
        @NotEmpty
         @Size(max=40)
        private java.lang.String city
♦ country
        @NotEmpty
         @Size(max=3)
        private java.lang.String country
♦ street
        @NotEmpty
         @Size(max=35)
        private java.lang.String street
♦ telephone
        @NotEmpty
         @Size(max=30)
        private java.lang.String telephone
◊ resources
        private java.util.List<<u>Resource</u>> resources
◊ serialVersionUID
        private static final long serialVersionUID
 See Also:
        Constant Field Values
♦ MAX LENGTH NAME
        private static final int MAX_LENGTH_NAME
 See Also:
```

Field Detail 222

**Constant Field Values** 

#### ♦ MAX\_LENGTH\_POSTAL\_CODE

private static final int MAX\_LENGTH\_POSTAL\_CODE

See Also:

**Constant Field Values** 

#### **♦ MAX\_LENGTH\_CITY**

private static final int MAX\_LENGTH\_CITY

See Also:

**Constant Field Values** 

#### **♦ MAX\_LENGTH\_STREET**

private static final int MAX\_LENGTH\_STREET

See Also:

**Constant Field Values** 

#### **♦ MAX\_LENGTH\_COUNTRY**

private static final int MAX\_LENGTH\_COUNTRY

See Also:

**Constant Field Values** 

#### **♦ MAX\_LENGTH\_TELEPHONE**

private static final int MAX\_LENGTH\_TELEPHONE

See Also:

Constant Field Values

#### **♦ MAX\_LENGTH\_EMAIL**

private static final int MAX\_LENGTH\_EMAIL

See Also:

**Constant Field Values** 

## **Constructor Detail**

**♦** Supplier

public Supplier()

Method Detail

Field Detail 223

```
♦ getId
        public java.lang.String getId()
 Gets id.
 Returns:
        the id
♦ setId
        public void setId(java.lang.String id)
 Sets id.
 Parameters:
        id - the id
♦ getName
        public java.lang.String getName()
 Gets name.
 Returns:
        the name
◊ setName
        public void setName(java.lang.String name)
 Sets name.
 Parameters:
        name - the name
♦ getEmailAddress
        public java.lang.String getEmailAddress()
 Gets email address.
 Returns:
        the email address
♦ setEmailAddress
        public void setEmailAddress(java.lang.String emailAddress)
 Sets email address.
 Parameters:
         emailAddress - the email address
◊ getPostalCode
        public java.lang.String getPostalCode()
 Gets postal code.
 Returns:
        the postal code
```

## **◊** setPostalCode public void setPostalCode(java.lang.String postalCode) Sets postal code. Parameters: postalCode - the postal code ♦ getCity public java.lang.String getCity() Gets city. Returns: the city ♦ setCity public void setCity(java.lang.String city) Sets city. Parameters: city - the city **◊** getCountry public java.lang.String getCountry() Gets country. Returns: the country **◊** setCountry public void setCountry(java.lang.String country) Sets country. Parameters: country - the country ♦ getStreet public java.lang.String getStreet() Gets street. Returns: the street **◊** setStreet public void setStreet(java.lang.String street)

Method Detail 225

Sets street.
Parameters:

street - the street

#### ◊ getTelephone

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

Gets telephone.

Returns:

the telephone

#### **◊** setTelephone

```
public void setTelephone(java.lang.String telephone)
```

Sets telephone.

Parameters:

telephone - the telephone

#### **◊** getResources

```
public java.util.List<<u>Resource</u>> getResources()
```

Gets resources.

Returns:

the resources

#### **◊** setResources

public void setResources(java.util.List<<u>Resource</u>> resources)

Sets resources.

Parameters:

resources - the resources

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |

- Constr |
- Method
- Detail:
- <u>Field</u> |
- <u>Constr</u> |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Enum Constants |
- Field |
- Method
- Detail:
- Enum Constants |
- Field |
- Method

com.modern.codes.lime.model

### **Enum Unit**

- java.lang.Object
- - ♦ ♦ com.modern.codes.lime.model.Unit
- All Implemented Interfaces:

java.io.Serializable, java.lang.Comparable<<u>Unit</u>>

```
public enum Unit
extends java.lang.Enum<<u>Unit</u>>
```

The enum Unit.

Enum Unit 228

### Enum Constant Summary

**Enum Constants** 

#### **Enum Constant and Description**

<u>BAR</u>

Bar unit.

<u>BOX</u>

Box unit.

<u>CBM</u>

Cbm unit.

FEET

Feet unit.

GRAMS

Grams unit.

INCHES

Inches unit.

KG

Kg unit.

**LITER** 

Liter unit.

**METERS** 

Meters unit.

MG

Mg unit.

MT.

Ml unit.

<u>MM</u>

Mm unit.

SOM

Sqm unit.

UNIT

Unit unit.

<u>UNKNOWN</u>

Unknown unit.

•

## **Method Summary**

All Methods Static Methods Concrete Methods

Modifier and Type	Method and Description
static <u>Unit</u>	<pre>fromValue(java.lang.String val) From value unit.</pre>
static <u>Unit</u>	<pre>valueOf(java.lang.String name)</pre>

#### Modifier and Type

#### **Method and Description**

Returns the enum constant of this type with the specified name.

values()

static <u>Unit</u>[] Returns an array containing the constants of this enum type, in the order they are declared.

 $\Diamond$ 

## Methods inherited from class java.lang.Enum

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

## Methods inherited from class java.lang.Object

getClass, notify, notifyAll, wait, wait, wait

#### **\***

### **Enum Constant Detail**

#### **♦ FEET**

public static final Unit FEET

Feet unit.

#### **♦ METERS**

public static final <u>Unit</u> METERS

Meters unit.

#### **♦ INCHES**

public static final Unit INCHES

Inches unit.

 $\Diamond$  MM

public static final Unit MM

Mm unit.

#### *OUNKNOWN*

public static final  $\underline{\text{Unit}}$  UNKNOWN

Unknown unit.

**♦ UNIT** 

public static final Unit UNIT

Unit unit.

Method Summary 230

# **♦ LITER** public static final **Unit** LITER Liter unit. ♦ ML public static final <u>Unit</u> ML Ml unit. **♦** GRAMS public static final **Unit** GRAMS Grams unit. **♦ KG** public static final **Unit** KG Kg unit. **♦ MG** public static final **Unit** MG Mg unit. **♦ SQM** public static final <u>Unit</u> SQM Sqm unit. **♦ CBM** public static final **Unit** CBM Cbm unit. **♦ BAR** public static final <u>Unit</u> BAR Bar unit. **♦** BOX public static final Unit BOX

# Method Detail

Box unit.

Enum Constant Detail 231

#### ◊ values

```
public static <u>Unit[]</u> values()
```

Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:

```
for (Unit c : Unit.values())
    System.out.println(c);
```

Returns:

an array containing the constants of this enum type, in the order they are declared

#### ◊ valueOf

```
public static <u>Unit</u> valueOf(java.lang.String name)
```

Returns the enum constant of this type with the specified name. The string must match *exactly* an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)

Parameters:

name - the name of the enum constant to be returned.

Returns:

the enum constant with the specified name

Throws:

java.lang.IllegalArgumentException - if this enum type has no constant with the specified name

java.lang.NullPointerException - if the argument is null

#### ♦ fromValue

```
public static <u>Unit</u> fromValue(java.lang.String val)
```

From value unit.

Parameters:

val - the val

Returns:

the unit

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class

- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Enum Constants |
- Field I
- Method
- Detail:
- Enum Constants |
- Field |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.model

### **Class User**

- java.lang.Object
- com.modern.codes.lime.model.User
- All Implemented Interfaces: java.io.Serializable

@Entity
public class User
extends java.lang.Object
implements java.io.Serializable

Model representation of user of Lime.

See Also:

Serialized Form

Class User 234

## ◆ Field Summary

Fields

Modifier and Type		Field and Description
private	java.lang.String	<u>emailAddress</u>
private	java.lang.Boolean	<u>enabled</u>
private	java.lang.String	<u>id</u>
private	<pre>java.util.List&lt;<u>Job</u>&gt;</pre>	jobs
private	java.util.Date	<u>joinedAt</u>
private	static int	MAX LENGTH EMAIL
private	static int	MAX LENGTH NAME
private	static int	MAX LENGTH SURNAME
private	java.lang.String	<u>name</u>
private	java.lang.String	password
private	<pre>java.util.List&lt;<u>Role</u>&gt;</pre>	roles
private	static long	<u>serialVersionUID</u>
private	java.lang.String	<u>surname</u>
private	java.lang.String	<u>username</u>

## **Constructor Summary**

Constructors

### **Constructor and Description**

<u>User</u>()

**Method Summary** 

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

<b>Modifier and Type</b>	Method and Description
java.lang.String	<pre>getEmailAddress() Gets email address.</pre>
java.lang.Boolean	<pre>getEnabled() Gets enabled.</pre>
java.lang.String	getId() Gets id.
java.util.List< <u>Job</u> >	getJobs() Gets jobs.
java.util.Date	<pre>getJoinedAt()</pre>

Field Summary 235

<b>Modifier and Type</b>	<b>Method and Description</b>
	Gets joined at.
java.lang.String	getName() Gets name.
java.lang.String	getPassword() Gets password.
java.util.List< <u>Role</u> >	getRoles() Gets roles.
java.lang.String	<pre>getSurname() Gets surname.</pre>
java.lang.String	getUsername () Gets username.
void	<pre>setEmailAddress(java.lang.String emailAddress) Sets email address.</pre>
void	<pre>setEnabled(java.lang.Boolean enabled) Sets enabled.</pre>
void	<pre>setId(java.lang.String id) Sets id.</pre>
void	<pre>setJobs(java.util.List<job> jobs) Sets jobs.</job></pre>
void	<pre>setJoinedAt(java.util.Date joinedAt) Sets joined at.</pre>
void	<pre>setName(java.lang.String name) Sets name.</pre>
void	<pre>setPassword(java.lang.String password) Sets password.</pre>
void	<pre>setRoles(java.util.List<role> roles) Sets roles.</role></pre>
void	<pre>setSurname(java.lang.String surname) Sets surname.</pre>
void	<pre>setUsername(java.lang.String username) Sets username.</pre>
void	<pre>updateTimeStamps() Update time stamps.</pre>
<b>\</b>	

## Methods inherited from class java.lang.Object

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

## Field Detail

Method Summary 236

```
◊ id
        private java.lang.String id
♦ name
        @NotNull
         @Size(max=25)
        private java.lang.String name
♦ surname
        @NotNull
         @Size(max=250)
        private java.lang.String surname
♦ emailAddress
        @NotEmpty
         @Email
         @Size(max=240)
        private java.lang.String emailAddress
◊ joinedAt
        private java.util.Date joinedAt
♦ jobs
        private java.util.List<<u>Job</u>> jobs
♦ username
        @NotNull
        private java.lang.String username
♦ password
        @NotNull
        private java.lang.String password
♦ enabled
        private java.lang.Boolean enabled
◊ roles
        private java.util.List<<u>Role</u>> roles
♦ serialVersionUID
        private static final long serialVersionUID
 See Also:
        Constant Field Values
♦ MAX_LENGTH_NAME
        private static final int MAX_LENGTH_NAME
 See Also:
```

Field Detail 237

**Constant Field Values** 

#### **♦ MAX\_LENGTH\_SURNAME**

See Also:

**Constant Field Values** 

## **Constructor Detail**

**♦** User

public User()

### **Method Detail**

#### ♦ updateTimeStamps

```
public void updateTimeStamps()
```

Update time stamps.

♦ getId

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

Gets id.

Returns:

the id

 $\Diamond$  setId

public void setId(java.lang.String id)

Sets id.

Parameters:

id - the id

♦ getName

public java.lang.String getName()

Gets name.

Returns:

the name

Field Detail 238

#### **♦** setName

```
public void setName(java.lang.String name)
 Sets name.
 Parameters:
         name - the name
♦ getSurname
         public java.lang.String getSurname()
 Gets surname.
 Returns:
         the surname
♦ setSurname
         public void setSurname(java.lang.String surname)
 Sets surname.
 Parameters:
         surname - the surname
♦ getJoinedAt
         public java.util.Date getJoinedAt()
 Gets joined at.
 Returns:
         the joined at
♦ setJoinedAt
         public void setJoinedAt(java.util.Date joinedAt)
 Sets joined at.
 Parameters:
         joinedAt - the joined at
♦ getJobs
         public java.util.List<<u>Job</u>> getJobs()
 Gets jobs.
 Returns:
         the jobs
♦ setJobs
         public void setJobs(java.util.List<<u>Job</u>> jobs)
 Sets jobs.
 Parameters:
         jobs - the jobs
```

## ♦ getUsername public java.lang.String getUsername() Gets username. Returns: the username **♦** setUsername public void setUsername(java.lang.String username) Sets username. Parameters: username - the username ♦ getEnabled public java.lang.Boolean getEnabled() Gets enabled. Returns: the enabled **◊** setEnabled public void setEnabled(java.lang.Boolean enabled) Sets enabled. Parameters: enabled - the enabled ◊ getPassword public java.lang.String getPassword() Gets password. Returns: the password ♦ setPassword public void setPassword(java.lang.String password) Sets password. Parameters: password - the password ♦ getRoles public java.util.List<<u>Role</u>> getRoles() Gets roles. Returns:

Method Detail 240

the roles

#### **♦** setRoles

```
public void setRoles(java.util.List<<u>Role</u>> roles)
```

Sets roles.

Parameters:

roles - the roles

#### ♦ getEmailAddress

public java.lang.String getEmailAddress()

Gets email address.

Returns:

the email address

#### ♦ setEmailAddress

public void setEmailAddress(java.lang.String emailAddress)

Sets email address.

Parameters:

emailAddress - the email address

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.model

## **Class ValidParam**

- java.lang.Object
- com.modern.codes.lime.model.ValidParam
- All Implemented Interfaces: java.io.Serializable

```
public class ValidParam
extends java.lang.Object
implements java.io.Serializable
```

Model representation of parameter validation errors. See Also:

Serialized Form

Class ValidParam 242

### Field Summary

Fields

#### **Modifier and Type**

#### **Field and Description**

private java.util.List<<u>ValidationError</u>> validationErrors

## **Constructor Summary**

Constructors

#### **Constructor and Description**

ValidParam()

## **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

#### **Modifier and Type**

#### **Method and Description**

```
java.util.List<ValidationError>
pava.util.List<ValidationErrors
Gets validation errors.

void

setValidationErrors(java.util.List<ValidationErrors)
Sets validation errors.

java.lang.String

toString()</pre>
```

## Methods inherited from class java.lang.Object

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

## Field Detail

#### **◊ validationErrors**

 $\verb|private java.util.List<| Validation Error| > validation Errors|$ 

## Constructor Detail

#### **♦ ValidParam**

public ValidParam()

Field Summary 243

#### Method Detail

#### ♦ getValidationErrors

```
public java.util.List<<u>ValidationError</u>> getValidationErrors()
```

Gets validation errors.

Returns:

the validation errors

#### ♦ setValidationErrors

public void setValidationErrors(java.util.List<<u>ValidationError</u>> valid

Sets validation errors.

Parameters:

validationErrors - the validation errors

#### **♦** toString

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

#### Overrides:

toString in class java.lang.Object

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |

- <u>Constr</u> | <u>Method</u>

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.model

## **Class ValidationError**

- java.lang.Object
- com.modern.codes.lime.model.ValidationError
- All Implemented Interfaces: java.io.Serializable

public class ValidationError
extends java.lang.Object
implements java.io.Serializable

Model representation of field validation errors. See Also:

Serialized Form

Class ValidationError 246

## Field Summary

Fields

Modifier and Type		Field and Description
	private java.lang.String	<u>code</u>
	private java.lang.String	<u>field</u>
	private java.lang.String	<u>hint</u>
	private static long	<u>serialVersionUID</u>

•

## **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>ValidationError</u>(java.lang.String field, java.lang.String code, java.lang.String hint)

Instantiates a new Validation error.

# Method Summary

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

#### Modifier and Type Method and Description

```
java.lang.String <a href="mailto:getscode">getscode</a>()
Gets code.

java.lang.String <a href="mailto:getsfield">getField</a>()
Gets field.

java.lang.String <a href="mailto:getHint">getHint</a>()
Gets hint.

java.lang.String <a href="mailto:toString">toString</a>()
```

## Methods inherited from class java.lang.Object

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

## Field Detail

Field Summary 247

```
♦ field
             private final java.lang.String field
     ♦ code
             private final java.lang.String code
     ♦ hint
             private final java.lang.String hint
     ♦ serialVersionUID
             private static final long serialVersionUID
       See Also:
             Constant Field Values
Constructor Detail
     ◊ ValidationError
             public ValidationError(java.lang.String field,
                                      java.lang.String code,
                                      java.lang.String hint)
      Instantiates a new Validation error.
       Parameters:
             field - the field
              code - the code
             hint - the hint
Method Detail
     ♦ getField
             public java.lang.String getField()
      Gets field.
       Returns:
             the field
     ♦ getCode
             public java.lang.String getCode()
      Gets code.
       Returns:
```

Field Detail 248

the code

### ♦ getHint

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

Gets hint.

Returns:

the hint

#### **♦** toString

public java.lang.String toString()

#### Overrides:

toString in class java.lang.Object

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.pojo

## **Class BasicPOJO**

- java.lang.Object
- com.modern.codes.lime.pojo.BasicPOJO
- Direct Known Subclasses:

<u>FormulaPOJO</u>, <u>JobPOJO</u>, <u>ProductCategoryPOJO</u>, <u>ProductPOJO</u>, <u>ResourcePOJO</u>, <u>ResourcePOJO</u>, <u>SupplierPOJO</u>, <u>UserPOJO</u>

public class BasicPOJO
extends java.lang.Object

The type Basic pojo.

Class BasicPOJO 250

## Field Summary

Fields

### 

## Constructor Summary

Constructors

#### **Constructor and Description**

BasicPOJO()

## **Method Summary**

All Methods Instance Methods Concrete Methods

# Modifier and Type Method and Description

## Methods inherited from class java.lang.Object

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

## Field Detail

◊ id

java.lang.String id

The Id.

## **Constructor Detail**

Field Summary 251

#### **◊ BasicPOJO**

public BasicPOJO()

id - the id

•

## **Method Detail**

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

Gets id.
Returns:
        the id

    setId

public void setId(java.lang.String id)

Sets id.
Parameters:
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

Constructor Detail 252

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.pojo

## Class FormulaPOJO

- java.lang.Object
- ◆ com.modern.codes.lime.pojo.BasicPOJO
  - ♦ ♦ com.modern.codes.lime.pojo.FormulaPOJO

public class FormulaPOJO
extends <u>BasicPOJO</u>

The type Formula pojo.

Field Summary

Fields

Modifier and Type	Field and Description
private <u>Product</u>	product
private <u>Resource</u>	<u>resource</u>
private java.lang.Double	<u>value</u>

 $\Diamond$ 

## Fields inherited from class com.modern.codes.lime.pojo.<u>BasicPOJO</u>

<u>id</u>

## **Constructor Summary**

Constructors

## **Constructor and Description**

FormulaPOJO()

**Method Summary** 

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

Modifier and Type	<b>Method and Description</b>
boolean	<pre>equals(java.lang.Object obj)</pre>
ProductPOJO	getPOJOProduct () Gets pojo product.
ResourcePOJO	getPOJOResource() Gets pojo resource.
Product	<pre>getProduct() Gets product.</pre>
Resource	<pre>getResource() Gets resource.</pre>
java.lang.Double	getValue() Gets value.
int	<pre>hashCode()</pre>
void	<pre>setPOJOProduct (ProductPOJO product) Sets pojo product.</pre>
void	<pre>setPOJOResource(ResourcePOJO resources) Sets pojo resource.</pre>
void	<pre>setProduct (Product product) Sets product.</pre>
void	<u>setResource</u> ( <u>Resource</u> resource)  Sets resource.

Field Summary 254

## **Modifier and Type Method and Description** setValue(java.lang.Double value) void Sets value. **Methods inherited from** class com.modern.codes.lime.pojo.BasicPOJO getId, setId Methods inherited from class java.lang.Object clone, finalize, getClass, notify, notifyAll, toString, wait, wait, wait **Field Detail** ♦ resource private Resource resource **♦** product private <a href="Product">Product</a> ◊ value private java.lang.Double value **Constructor Detail ♦ FormulaPOJO** public FormulaPOJO() **Method Detail** ♦ getResource public <u>Resource</u> getResource() Gets resource. Returns: the resource **♦** setResource public void setResource(<u>Resource</u> resource)

Method Summary 255

Sets resource.

```
Parameters:
         resource - the resource
♦ getPOJOResource
         public <u>ResourcePOJO</u> getPOJOResource()
 Gets pojo resource.
 Returns:
         the pojo resource
◊ setPOJOResource
         public void setPOJOResource(<u>ResourcePOJO</u> resources)
 Sets pojo resource.
 Parameters:
         resources - the resources
♦ getProduct
         public Product getProduct()
 Gets product.
 Returns:
         the product
◊ setProduct
         public void setProduct(Product product)
 Sets product.
 Parameters:
         product - the product
♦ getPOJOProduct
         public ProductPOJO getPOJOProduct()
 Gets pojo product.
 Returns:
         the pojo product
♦ setPOJOProduct
         public void setPOJOProduct(<u>ProductPOJO</u> product)
 Sets pojo product.
 Parameters:
         product - the product
♦ getValue
         public java.lang.Double getValue()
 Gets value.
 Returns:
         the value
```

#### **◊** setValue

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

Sets value.
Parameters:
    value - the value

hashCode

public int hashCode()

Overrides:
    hashCode in class java.lang.Object

equals

public boolean equals(java.lang.Object obj)

Overrides:
```

equals in class java.lang.Object

## Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.pojo

## **Class JobPOJO**

- java.lang.Object
  - ♦ com.modern.codes.lime.pojo.BasicPOJO
    - ♦ ♦ com.modern.codes.lime.pojo.JobPOJO

public class JobPOJO
extends BasicPOJO

The type Job pojo.

Field Summary

Fields

Class JobPOJO 258

Field and

Modifier and Type		Field and Description
private	java.lang.String	<u>details</u>
private	java.util.Date	<u>endDate</u>
private	Product	product
private	java.lang.Double	<u>resultValue</u>
private	java.util.Date	<u>startDate</u>
private	<u>User</u>	<u>user</u>
$\Diamond$		

## Fields inherited from class com.modern.codes.lime.pojo.<u>BasicPOJO</u>

<u>id</u>

## **Constructor Summary**

Constructors

#### **Constructor and Description**

JobPOJO()

## **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

Modifier and Type	Method and Description
boolean	<pre>equals(java.lang.Object obj)</pre>
java.lang.String	<pre>getDetails() Gets details.</pre>
java.util.Date	<pre>getEndDate() Gets end date.</pre>
ProductPOJO	<pre>getPOJOProduct() Gets pojo product.</pre>
<u>UserPOJO</u>	getPOJOUser() Gets pojo user.
Product	<pre>getProduct() Gets product.</pre>
java.lang.Double	getResultValue() Gets result value.
java.util.Date	<pre>getStartDate() Gets start date.</pre>
<u>User</u>	<pre>getUser() Gets user.</pre>

Field Summary 259

Modifier and Type	Method and Description
int	<u>hashCode</u> ()
void	<pre>setDetails(java.lang.String details) Sets details.</pre>
void	<pre>setEndDate(java.util.Date endDate) Sets end date.</pre>
void	<pre>setPOJOProduct (ProductPOJO product) Sets pojo product.</pre>
void	setPOJOUser (UserPOJO user) Sets pojo user.
void	<pre>setProduct (Product product) Sets product.</pre>
void	<pre>setResultValue(java.lang.Double resultValue) Sets result value.</pre>
void	<pre>setStartDate(java.util.Date startDate) Sets start date.</pre>
void	<pre>setUser(User user) Sets user.</pre>
class con  getId, setI	inherited from n.modern.codes.lime.pojo.BasicPOJO  d inherited from class java.lang.Object lize, getClass, notify, notifyAll, toString, wait, wait,

## Field Detail

```
product
private Product product
vuser
private User user
vert details
private java.lang.String details
vert startDate
private java.util.Date startDate
```

Method Summary 260

```
♦ endDate
              private java.util.Date endDate
     ◊ resultValue
              private java.lang.Double resultValue
Constructor Detail
     ♦ JobPOJO
              public JobPOJO()
Method Detail
     ◊ getProduct
              public Product getProduct()
       Gets product.
       Returns:
              the product
     ♦ setProduct
              public void setProduct(Product product)
       Sets product.
       Parameters:
              product - the product
     ◊ getPOJOProduct
              public ProductPOJO getPOJOProduct()
       Gets pojo product.
       Returns:
              the pojo product
     ♦ setPOJOProduct
              public void setPOJOProduct(<u>ProductPOJO</u> product)
       Sets pojo product.
       Parameters:
              product - the product
     ♦ getUser
              public <u>User</u> getUser()
       Gets user.
       Returns:
```

Field Detail 261

the user

**♦** setUser

## public void setUser(<u>User</u> user) Sets user. Parameters: user - the user ♦ getPOJOUser public <u>UserPOJO</u> getPOJOUser() Gets pojo user. Returns: the pojo user ♦ setPOJOUser public void setPOJOUser(<u>UserPOJO</u> user) Sets pojo user. Parameters: user - the user ♦ getDetails public java.lang.String getDetails() Gets details. Returns: the details ♦ setDetails public void setDetails(java.lang.String details) Sets details. Parameters: details - the details ♦ getStartDate public java.util.Date getStartDate() Gets start date. Returns: the start date **♦** setStartDate public void setStartDate(java.util.Date startDate) Sets start date. Parameters:

Method Detail 262

startDate - the start date

## ♦ getEndDate public java.util.Date getEndDate() Gets end date. Returns: the end date **♦** setEndDate public void setEndDate(java.util.Date endDate) Sets end date. Parameters: endDate - the end date ♦ getResultValue public java.lang.Double getResultValue() Gets result value. Returns: the result value **♦** setResultValue public void setResultValue(java.lang.Double resultValue) Sets result value. Parameters: resultValue - the result value ♦ hashCode public int hashCode() Overrides: hashCode in class java.lang.Object ◊ equals

public boolean equals(java.lang.Object obj)

equals in class java.lang.Object

Overrides:

• Overview

Skip navigation links

- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>

- Prev Class
- Next Class
- <u>Frames</u>
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.pojo

## Class ProductCategoryPOJO

- java.lang.Object
- <u>com.modern.codes.lime.pojo.BasicPOJO</u>
  - ♦ ♦ com.modern.codes.lime.pojo.ProductCategoryPOJO

 $\begin{array}{ll} \texttt{public class ProductCategoryPOJO} \\ \texttt{extends } \underline{\texttt{BasicPOJO}} \end{array}$ 

The type Product category pojo.

Fields

## **Field and Description Modifier and Type** private java.lang.String <u>name</u> private java.util.List<<u>Product</u>> products Fields inherited from class com.modern.codes.lime.pojo.BasicPOJO <u>id</u>

## **Constructor Summary**

Constructors

#### **Constructor and Description**

**Modifier and Type** 

ProductCategoryPOJO()

**Method Summary** 

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

Modifier and Type	Method and Description
boolean	<pre>equals(java.lang.Object obj)</pre>
java.lang.String	getName () Gets name.

java.util.List<PreductPOJO> Gets pojo products. getProducts() java.util.List<<u>Product</u>> Gets products.

int hashCode()

setName(java.lang.String name) void

Sets name.

void Sets pojo products.

setProducts(java.util.List<Product> products) void

setPOJOProducts(java.util.List<ProductPOJO> products)

getPOJOProducts()

Sets products.

## Methods inherited from class com.modern.codes.lime.pojo.BasicPOJO

getId, setId

## Methods inherited from class java.lang.Object

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

Field Summary 266

#### Field Detail

```
◊ products
              private java.util.List<<u>Product</u>> products
     ◊ name
              private java.lang.String name
Constructor Detail
     ♦ ProductCategoryPOJO
              public ProductCategoryPOJO()
Method Detail
     ♦ getProducts
              public java.util.List<<u>Product</u>> getProducts()
       Gets products.
       Returns:
              the products
     ◊ setProducts
              public void setProducts(java.util.List<<u>Product</u>> products)
       Sets products.
       Parameters:
              products - the products
     ◊ getPOJOProducts
              public java.util.List<<u>ProductPOJO</u>> getPOJOProducts()
       Gets pojo products.
       Returns:
              the pojo products
     ♦ setPOJOProducts
              public void setPOJOProducts(java.util.List<<u>ProductPOJO</u>> products)
       Sets pojo products.
       Parameters:
              products - the products
```

Field Detail 267

## ♦ getName

```
public java.lang.String getName()
 Gets name.
 Returns:
        the name
♦ setName
        public void setName(java.lang.String name)
 Sets name.
 Parameters:
        name - the name
♦ hashCode
        public int hashCode()
 Overrides:
        hashCode in class java.lang.Object
◊ equals
        public boolean equals(java.lang.Object obj)
 Overrides:
        equals in class java.lang.Object
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method

- Detail:
- <u>Field</u> |
- <u>Constr</u> |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.pojo

## **Class ProductPOJO**

- java.lang.Object
- ◆ com.modern.codes.lime.pojo.BasicPOJO
  - ♦ ♦ com.modern.codes.lime.pojo.ProductPOJO

public class ProductPOJO
extends BasicPOJO

The type Product pojo.

Field Summary

Fields

Class ProductPOJO 270

N	<b>Iodifier and Type</b>	Field and Description
private j	ava.util.Date	addedAt
private <u>P</u>	roductCategory	category
private j	ava.lang.String	description
private j	ava.lang.Double	<u>expectedValue</u>
private j	ava.util.List< <u>Formula</u> >	<u>formulas</u>
private j	ava.lang.String	<u>image</u>
private j	ava.util.List< <u>Job</u> >	jobs
private j	ava.lang.String	name
private <u>U</u>	<u>nit</u>	<u>unit</u>
$\Diamond$		

## Fields inherited from class com.modern.codes.lime.pojo.BasicPOJO

## **Constructor Summary**

Constructors

## **Constructor and Description**

ProductPOJO()

## **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

<b>Modifier and Type</b>	Method and Description
boolean	equals(java.lang.Object obj)
java.util.Date	getAddedAt() Gets added at.
ProductCategory	<pre>getCategory() Gets category.</pre>
java.lang.String	<pre>getDescription() Gets description.</pre>
java.lang.Double	getExpectedValue() Gets expected value.
java.util.List< <u>Formula</u> >	getFormulas() Gets formulas.
java.lang.String	getImage() Gets image.
java.util.List< <u>Job</u> >	<u>getJobs</u> ()

Field Summary 271

<b>Modifier and Type</b>	<b>Method and Description</b>
	Gets jobs.
java.lang.String	getName() Gets name.
ProductCategoryPOJO	<pre>getPOJOCategory() Gets pojo category.</pre>
java.util.List< <u>FormulaPOJO</u> >	<pre>getPOJOFormulas() Gets pojo formulas.</pre>
java.util.List< <u>JobPOJO</u> >	getPOJOJobs () Gets pojo jobs.
<u>Unit</u>	getUnit() Gets unit.
int	hashCode()
void	<pre>setAddedAt(java.util.Date addedAt) Sets added at.</pre>
void	<pre>setCategory (ProductCategory category) Sets category.</pre>
void	<pre>setDescription(java.lang.String description) Sets description.</pre>
void	<pre>setExpectedValue(java.lang.Double expectedValue) Sets expected value.</pre>
void	<pre>setFormulas(java.util.List<formula> formulas) Sets formulas.</formula></pre>
void	<pre>setImage(java.lang.String image) Sets image.</pre>
void	<pre>setJobs(java.util.List<job> jobs) Sets jobs.</job></pre>
void	<pre>setName(java.lang.String name) Sets name.</pre>
void	<pre>setPOJOCategory (ProductCategoryPOJO category) Sets pojo category.</pre>
void	<pre>setPOJOFormulas(java.util.List<formulapojo> formulas) Sets pojo formulas.</formulapojo></pre>
void	<pre>setPOJOJobs(java.util.List<jobpojo> jobs) Sets pojo jobs.</jobpojo></pre>
void	<pre>setUnit(Unit unit) Sets unit.</pre>
<b>\rightarrow</b>	

# Methods inherited from class com.modern.codes.lime.pojo.<u>BasicPOJO</u>

getId, setId

Method Summary 272

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

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

## Field Detail

```
♦ name
             private java.lang.String name
     ♦ description
             private java.lang.String description
     ◊ unit
             private <u>Unit</u> unit
     ♦ addedAt
             private java.util.Date addedAt
     ♦ category
             private ProductCategory category
     ♦ image
             private java.lang.String image
     ◊ expectedValue
             private java.lang.Double expectedValue
     ◊ jobs
             private java.util.List<<u>Job</u>> jobs
     ♦ formulas
             private java.util.List<<u>Formula</u>> formulas
Constructor Detail
     ◊ ProductPOJO
             public ProductPOJO()
Method Detail
     ♦ getName
             public java.lang.String getName()
```

Gets name.

```
Returns:
         the name
♦ setName
         public void setName(java.lang.String name)
 Sets name.
 Parameters:
         name - the name
◊ getDescription
         public java.lang.String getDescription()
 Gets description.
 Returns:
         the description
◊ setDescription
         public void setDescription(java.lang.String description)
 Sets description.
 Parameters:
         description - the description
♦ getUnit
         public Unit getUnit()
 Gets unit.
 Returns:
         the unit
♦ setUnit
         public void setUnit(<u>Unit</u> unit)
 Sets unit.
 Parameters:
         unit - the unit
♦ getAddedAt
         public java.util.Date getAddedAt()
 Gets added at.
 Returns:
         the added at
♦ setAddedAt
         public void setAddedAt(java.util.Date addedAt)
 Sets added at.
 Parameters:
         addedAt - the added at
```

```
♦ getCategory
        public ProductCategory getCategory()
 Gets category.
 Returns:
         the category
♦ setCategory
        public void setCategory(ProductCategory category)
 Sets category.
 Parameters:
         category - the category
♦ getPOJOCategory
        public ProductCategoryPOJO getPOJOCategory()
 Gets pojo category.
 Returns:
         the pojo category
♦ setPOJOCategory
        public void setPOJOCategory(<u>ProductCategoryPOJO</u> category)
 Sets pojo category.
 Parameters:
        category - the category
◊ getImage
        public java.lang.String getImage()
 Gets image.
 Returns:
        the image
♦ setImage
        public void setImage(java.lang.String image)
 Sets image.
 Parameters:
         image - the image
◊ getExpectedValue
        public java.lang.Double getExpectedValue()
 Gets expected value.
 Returns:
        the expected value
```

## ♦ setExpectedValue public void setExpectedValue(java.lang.Double expectedValue) Sets expected value. Parameters: expectedValue - the expected value ♦ getJobs public java.util.List<<u>Job</u>> getJobs() Gets jobs. Returns: the jobs ♦ setJobs public void setJobs(java.util.List<<u>Job</u>> jobs) Sets jobs. Parameters: jobs - the jobs ◊ getPOJOJobs public java.util.List<<u>JobPOJO</u>> getPOJOJobs() Gets pojo jobs. Returns: the pojo jobs ♦ setPOJOJobs public void setPOJOJobs(java.util.List<<u>JobPOJO</u>> jobs) Sets pojo jobs. Parameters: jobs - the jobs ♦ getFormulas public java.util.List<<u>Formula</u>> getFormulas() Gets formulas. Returns: the formulas **♦** setFormulas public void setFormulas(java.util.List<<u>Formula</u>> formulas)

Method Detail 276

formulas - the formulas

Sets formulas. Parameters:

equals in class java.lang.Object

## ◊ getPOJOFormulas

Overrides:

```
public java.util.List<FormulaPOJO> getPOJOFormulas()

Gets pojo formulas.
Returns:
    the pojo formulas

> setPOJOFormulas

public void setPOJOFormulas(java.util.List<FormulaPOJO> formulas)

Sets pojo formulas.
Parameters:
    formulas - the formulas

> hashCode

public int hashCode()

Overrides:
    hashCode in class java.lang.Object

> equals

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

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method

- Detail:
- <u>Field</u> |
- <u>Constr</u> |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.pojo

## Class ResourceCategoryPOJO

- java.lang.Object
- <u>com.modern.codes.lime.pojo.BasicPOJO</u>

 $\begin{array}{ll} \texttt{public class ResourceCategoryPOJO} \\ \texttt{extends } \underline{\texttt{BasicPOJO}} \end{array}$ 

The type Resource category pojo.

Field Summary

Fields

## **Modifier and Type Field and Description** private java.lang.String <u>name</u> private java.util.List<<u>Resource> resources</u> Fields inherited from class com.modern.codes.lime.pojo.BasicPOJO <u>id</u>

## **Constructor Summary**

Constructors

boolean

#### **Constructor and Description**

ResourceCategoryPOJO()

## **Method Summary**

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

```
getName()
java.lang.String
                                 Gets name.
                                 getPOJOResources()
java.util.List<<u>ResourcePOJO</u>>
                                 Gets pojo resources.
                                 getResources()
java.util.List<<u>Resource</u>>
                                 Gets resources.
int
                                 hashCode()
                                 setName(java.lang.String name)
void
                                 Sets name.
                                 setPOJOResources(java.util.List<ResourcePOJO> resource
void
                                 Sets pojo resources.
                                 setResources(java.util.List<Resource> resources)
void
                                 Sets resources.
```

equals (java.lang.Object obj)

## Methods inherited from class com.modern.codes.lime.pojo.BasicPOJO

```
getId, setId
```

## Methods inherited from class java.lang.Object

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

Field Summary 280

## Field Detail

```
◊ resources
              private java.util.List<<u>Resource</u>> resources
     ◊ name
              private java.lang.String name
Constructor Detail
     ♦ ResourceCategoryPOJO
              public ResourceCategoryPOJO()
Method Detail
     ♦ getResources
              public java.util.List<<u>Resource</u>> getResources()
       Gets resources.
       Returns:
              the resources
     ◊ setResources
              public void setResources(java.util.List<<u>Resource</u>> resources)
       Sets resources.
       Parameters:
              resources - the resources
     ♦ getPOJOResources
              public java.util.List<<u>ResourcePOJO</u>> getPOJOResources()
       Gets pojo resources.
       Returns:
              the pojo resources
     ♦ setPOJOResources
              public void setPOJOResources(java.util.List<<u>ResourcePOJO</u>> resources)
       Sets pojo resources.
       Parameters:
              resources - the resources
```

Field Detail 281

## 

```
public java.lang.String getName()
 Gets name.
 Returns:
        the name
♦ setName
        public void setName(java.lang.String name)
 Sets name.
 Parameters:
        name - the name
♦ hashCode
        public int hashCode()
 Overrides:
        hashCode in class java.lang.Object
◊ equals
        public boolean equals(java.lang.Object obj)
 Overrides:
```

equals in class java.lang.Object

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method

- Detail:
- <u>Field</u> |
- <u>Constr</u> |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.pojo

## **Class ResourcePOJO**

- java.lang.Object
- <u>com.modern.codes.lime.pojo.BasicPOJO</u>
  - ♦ ♦ com.modern.codes.lime.pojo.ResourcePOJO

public class ResourcePOJO
extends BasicPOJO

The type Resource pojo.

Field Summary

Fields

Class ResourcePOJO 284

	Modifier and Type	Field and Description
private	ResourceCategory	category
private	java.lang.Double	critical value
private	java.lang.String	description
private	<pre>java.util.List&lt;<u>Formula</u>&gt;</pre>	<u>formulas</u>
private	java.lang.String	<u>image</u>
private	java.lang.String	<u>name</u>
private	java.lang.Boolean	notifications on
private	java.lang.Boolean	ordering on
private	java.lang.Double	quantity
private	Supplier	<u>supplier</u>
private	<u>Unit</u>	<u>unit</u>
$\Diamond$		

# Fields inherited from class com.modern.codes.lime.pojo.<u>BasicPOJO</u>

<u>id</u>

## **Constructor Summary**

Constructors

## **Constructor and Description**

ResourcePOJO()

**♦** 

## **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

<b>Modifier and Type</b>	Method and Description
boolean	equals(java.lang.Object obj)
ResourceCategory	<pre>getCategory() Gets category.</pre>
java.lang.Double	getCritical value() Gets critical value.
java.lang.String	<pre>getDescription() Gets description.</pre>
java.util.List< <u>Formula</u> >	<pre>getFormulas() Gets formulas.</pre>
java.lang.String	getImage() Gets image.

Field Summary 285

<b>Modifier and Type</b>	Method and Description
java.lang.String	getName() Gets name.
java.lang.Boolean	<pre>getNotifications on() Gets notifications on.</pre>
java.lang.Boolean	<pre>getOrdering on() Gets ordering on.</pre>
ResourceCategoryPOJO	<pre>getPOJOCategory() Gets pojo category.</pre>
<pre>java.util.List&lt;<u>FormulaPOJO</u>&gt;</pre>	<pre>getPOJOFormulas() Gets pojo formulas.</pre>
SupplierPOJO	<pre>getPOJOSupplier() Gets pojo supplier.</pre>
java.lang.Double	<pre>getOuantity() Gets quantity.</pre>
Supplier	<pre>getSupplier() Gets supplier.</pre>
<u>Unit</u>	<pre>getUnit() Gets unit.</pre>
int	<u>hashCode</u> ()
void	<pre>setCategory (ResourceCategory category) Sets category.</pre>
void	<pre>setCritical value(java.lang.Double critical_value) Sets critical value.</pre>
void	<pre>setDescription(java.lang.String description) Sets description.</pre>
void	<pre>setFormulas(java.util.List<formula> formulas) Sets formulas.</formula></pre>
void	<pre>setImage(java.lang.String image) Sets image.</pre>
void	<pre>setName(java.lang.String name) Sets name.</pre>
void	<pre>setNotifications on(java.lang.Boolean notifications_ Sets notifications on.</pre>
void	<pre>setOrdering on(java.lang.Boolean ordering_on) Sets ordering on.</pre>
void	<u>setPOJOCategory</u> ( <u>ResourceCategoryPOJO</u> category)  Sets pojo category.
void	<pre>setPOJOFormulas(java.util.List<formulapojo> formulas Sets pojo formulas.</formulapojo></pre>
void	<pre>setPOJOSupplier(SupplierPOJO supplier) Sets pojo supplier.</pre>
void	<pre>setQuantity Sate quantity</pre>

Method Summary 286

Sets quantity.

#### **Modifier and Type**

#### **Method and Description**

## Methods inherited from class com.modern.codes.lime.pojo.BasicPOJO

getId, setId

## Methods inherited from class java.lang.Object

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

#### ◆ Field Detail

◊ name

♦ category

♦ image

```
private java.lang.String name

description

private java.lang.String description

unit

private Unit unit

quantity

private java.lang.Double quantity

critical_value

private java.lang.Double critical_value

notifications_on

private java.lang.Boolean notifications_on

ordering_on

private java.lang.Boolean ordering_on
```

private ResourceCategory category

private java.lang.String image

```
♦ supplier
              private <u>Supplier</u> supplier
     ♦ formulas
              private java.util.List<<u>Formula</u>> formulas
Constructor Detail
     ♦ ResourcePOJO
              public ResourcePOJO()
Method Detail
     ♦ getName
              public java.lang.String getName()
       Gets name.
       Returns:
              the name
     ♦ setName
              public void setName(java.lang.String name)
       Sets name.
       Parameters:
              name - the name
     ◊ getDescription
              public java.lang.String getDescription()
       Gets description.
       Returns:
              the description
     ◊ setDescription
              public void setDescription(java.lang.String description)
       Sets description.
       Parameters:
              description - the description
     ♦ getUnit
              public <u>Unit</u> getUnit()
       Gets unit.
       Returns:
```

Field Detail 288

the unit

# ♦ setUnit public void setUnit(<u>Unit</u> unit) Sets unit. Parameters: unit - the unit ♦ getQuantity public java.lang.Double getQuantity() Gets quantity. Returns: the quantity **♦** setQuantity public void setQuantity(java.lang.Double quantity) Sets quantity. Parameters: quantity - the quantity ◊ getCritical\_value public java.lang.Double getCritical\_value() Gets critical value. Returns: the critical value ♦ setCritical\_value public void setCritical\_value(java.lang.Double critical\_value) Sets critical value. Parameters: critical\_value - the critical value ♦ getNotifications on public java.lang.Boolean getNotifications\_on() Gets notifications on. Returns: the notifications on ♦ setNotifications on

public void setNotifications\_on(java.lang.Boolean notifications\_on)

Method Detail 289

notifications\_on - the notifications on

Sets notifications on.

Parameters:

```
♦ getOrdering_on
        public java.lang.Boolean getOrdering_on()
 Gets ordering on.
 Returns:
         the ordering on
♦ setOrdering on
         public void setOrdering_on(java.lang.Boolean ordering_on)
 Sets ordering on.
 Parameters:
         ordering_on - the ordering on
♦ getCategory
        public ResourceCategory getCategory()
 Gets category.
 Returns:
         the category
♦ setCategory
        public void setCategory(<u>ResourceCategory</u> category)
 Sets category.
 Parameters:
         category - the category
♦ getPOJOCategory
        public ResourceCategoryPOJO getPOJOCategory()
 Gets pojo category.
 Returns:
         the pojo category
♦ setPOJOCategory
         public void setPOJOCategory(<u>ResourceCategoryPOJO</u> category)
 Sets pojo category.
 Parameters:
         category - the category
♦ getImage
        public java.lang.String getImage()
 Gets image.
 Returns:
         the image
```

# ♦ setImage public void setImage(java.lang.String image) Sets image. Parameters: image - the image ♦ getSupplier public <u>Supplier</u> getSupplier() Gets supplier. Returns: the supplier **♦** setSupplier public void setSupplier(Supplier supplier) Sets supplier. Parameters: supplier - the supplier ♦ getPOJOSupplier public <u>SupplierPOJO</u> getPOJOSupplier() Gets pojo supplier. Returns: the pojo supplier ♦ setPOJOSupplier public void setPOJOSupplier(SupplierPOJO supplier) Sets pojo supplier. Parameters: supplier - the supplier ♦ getFormulas public java.util.List<<u>Formula</u>> getFormulas() Gets formulas. Returns: the formulas **◊** setFormulas public void setFormulas(java.util.List<<u>Formula</u>> formulas) Sets formulas. Parameters:

Method Detail 291

formulas - the formulas

equals in class java.lang.Object

#### ◊ getPOJOFormulas

Overrides:

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method

- Detail:
- <u>Field</u> |
- <u>Constr</u> |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.pojo

# **Class RolePOJO**

- java.lang.Object
- ◆ com.modern.codes.lime.pojo.BasicPOJO
  - ♦ ♦ com.modern.codes.lime.pojo.RolePOJO

public class RolePOJO
extends BasicPOJO

The type Role pojo.

Field Summary

Fields

Class RolePOJO 294

# Modifier and Type Field and Description private java.lang.String name private java.util.List<User> users ⟨ Fields inherited from class com.modern.codes.lime.pojo.BasicPOJO

<u>id</u>

# Constructor Summary

Constructors

#### **Constructor and Description**

getId, setId

wait

RolePOJO()

**Method Summary** 

All Methods Instance Methods Concrete Methods

#### **Modifier and Type Method and Description** boolean equals (java.lang.Object obj) getName() java.lang.String Gets name. getPOJOUsers() java.util.List<<u>UserPOJO</u>> Gets pojo users. getUsers() java.util.List<<u>User</u>> Gets users. int hashCode() setName(java.lang.String name) void Sets name. setPOJOUsers(java.util.List<UserPOJO> users) void Sets pojo users. setUsers(java.util.List<User> users) void Sets users. Methods inherited from class com.modern.codes.lime.pojo.BasicPOJO

Field Summary 295

Methods inherited from class java.lang.Object

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

#### Field Detail

```
♦ name
              private java.lang.String name
     ♦ users
              private java.util.List<<u>User</u>> users
Constructor Detail
     ♦ RolePOJO
              public RolePOJO()
Method Detail
     ♦ getUsers
              public java.util.List<<u>User</u>> getUsers()
       Gets users.
       Returns:
              the users
     ♦ setUsers
              public void setUsers(java.util.List<<u>User</u>> users)
       Sets users.
       Parameters:
              users - the users
     ◊ getPOJOUsers
              public java.util.List<<u>UserPOJO</u>> getPOJOUsers()
       Gets pojo users.
       Returns:
              the pojo users
     ◊ setPOJOUsers
              public void setPOJOUsers(java.util.List<<u>UserPOJO</u>> users)
       Sets pojo users.
       Parameters:
              users - the users
```

Field Detail 296

#### • ♦ getName

```
public java.lang.String getName()
 Gets name.
 Returns:
        the name
♦ setName
        public void setName(java.lang.String name)
 Sets name.
 Parameters:
        name - the name
♦ hashCode
        public int hashCode()
 Overrides:
        hashCode in class java.lang.Object
◊ equals
        public boolean equals(java.lang.Object obj)
 Overrides:
        equals in class java.lang.Object
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method

- Detail:
- <u>Field</u> |
- <u>Constr</u> |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.pojo

# **Class SupplierPOJO**

- java.lang.Object
- ♦ com.modern.codes.lime.pojo.BasicPOJO
  - ♦ ♦ com.modern.codes.lime.pojo.SupplierPOJO

public class SupplierPOJO
extends BasicPOJO

The type Supplier pojo.

Fields

Class SupplierPOJO 299

	Modifier and Type	Field and Description
private	java.lang.String	city
private	java.lang.String	country
private	java.lang.String	<u>emailAddress</u>
private	java.lang.String	<u>name</u>
private	java.lang.String	<u>postalCode</u>
private	<pre>java.util.List&lt;<u>Resource</u>&gt;</pre>	resources
private	java.lang.String	<u>street</u>
private	java.lang.String	<u>telephone</u>
$\Diamond$		

# Fields inherited from class com.modern.codes.lime.pojo.BasicPOJO

id

# Constructor Summary

Constructors

#### **Constructor and Description**

SupplierPOJO()

# Method Summary

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

<b>Modifier and Type</b>	Method and Description
boolean	<pre>equals(java.lang.Object obj)</pre>
java.lang.String	<pre>getCity() Gets city.</pre>
java.lang.String	<pre>getCountry() Gets country.</pre>
java.lang.String	<pre>getEmailAddress() Gets email address.</pre>
java.lang.String	getName() Gets name.
java.util.List< <u>ResourcePOJO</u> >	<pre>getPOJOResources() Gets pojo resources.</pre>
java.lang.String	<pre>getPostalCode() Gets postal code.</pre>
java.util.List< <u>Resource</u> >	getResources () Gets resources.

Field Summary 300

<b>Modifier and Type</b>	Method and Description	
java.lang.String	<pre>getStreet() Gets street.</pre>	
java.lang.String	<pre>getTelephone() Gets telephone.</pre>	
int	<u>hashCode</u> ()	
void	<pre>setCity(java.lang.String city) Sets city.</pre>	
void	<pre>setCountry(java.lang.String country) Sets country.</pre>	
void	<pre>setEmailAddress(java.lang.String emailAddress) Sets email address.</pre>	
void	<pre>setName(java.lang.String name) Sets name.</pre>	
void	<pre>setPOJOResources(java.util.List<resourcepojo> resour Sets pojo resources.</resourcepojo></pre>	
void	<pre>setPostalCode(java.lang.String postalCode) Sets postal code.</pre>	
void	<pre>setResources(java.util.List<resource> resources) Sets resources.</resource></pre>	
void	<pre>setStreet(java.lang.String street) Sets street.</pre>	
void	<pre>setTelephone(java.lang.String telephone) Sets telephone.</pre>	
Methods inherited from class com.modern.codes.lime.pojo. <u>BasicPOJO</u>		
<u>getId</u> , <u>setId</u> ◊		
·	rom class java.lang.Object	
clone, finalize, getCl	ass, notify, notifyAll, toString, wait, wait,	

## Field Detail

wait

Method Summary 301

```
♦ postalCode
             private java.lang.String postalCode
     ♦ city
             private java.lang.String city
     ♦ country
             private java.lang.String country
     ♦ street
             private java.lang.String street
     ◊ telephone
             private java.lang.String telephone
     ◊ resources
             private java.util.List<<u>Resource</u>> resources
Constructor Detail
     ♦ SupplierPOJO
             public SupplierPOJO()
Method Detail
     ♦ getName
             public java.lang.String getName()
      Gets name.
      Returns:
             the name
     ♦ setName
             public void setName(java.lang.String name)
      Sets name.
      Parameters:
             name - the name
     ♦ getEmailAddress
             public java.lang.String getEmailAddress()
      Gets email address.
      Returns:
```

Field Detail 302

the email address

#### ♦ setEmailAddress

```
public void setEmailAddress(java.lang.String emailAddress)
 Sets email address.
 Parameters:
         emailAddress - the email address
♦ getPostalCode
        public java.lang.String getPostalCode()
 Gets postal code.
 Returns:
         the postal code
♦ setPostalCode
        public void setPostalCode(java.lang.String postalCode)
 Sets postal code.
 Parameters:
         postalCode - the postal code
♦ getCity
        public java.lang.String getCity()
 Gets city.
 Returns:
         the city
♦ setCity
        public void setCity(java.lang.String city)
 Sets city.
 Parameters:
         city - the city
♦ getCountry
        public java.lang.String getCountry()
 Gets country.
 Returns:
         the country
♦ setCountry
        public void setCountry(java.lang.String country)
 Sets country.
 Parameters:
        country - the country
```

```
♦ getStreet
         public java.lang.String getStreet()
 Gets street.
 Returns:
         the street
♦ setStreet
         public void setStreet(java.lang.String street)
 Sets street.
 Parameters:
         street - the street
◊ getTelephone
         public java.lang.String getTelephone()
 Gets telephone.
 Returns:
         the telephone
◊ setTelephone
         public void setTelephone(java.lang.String telephone)
 Sets telephone.
 Parameters:
         telephone - the telephone
◊ getResources
         public java.util.List<<u>Resource</u>> getResources()
 Gets resources.
 Returns:
         the resources
♦ setResources
         public void setResources(java.util.List<<u>Resource</u>> resources)
 Sets resources.
 Parameters:
         resources - the resources
♦ getPOJOResources
         public java.util.List<<u>ResourcePOJO</u>> getPOJOResources()
 Gets pojo resources.
 Returns:
         the pojo resources
```

equals in class java.lang.Object

#### **♦** setPOJOResources

```
public void setPOJOResources(java.util.List<ResourcePOJO> resources)

Sets pojo resources.
Parameters:
    resources - the resources

♦ hashCode

    public int hashCode()

Overrides:
    hashCode in class java.lang.Object

♦ equals

public boolean equals(java.lang.Object obj)

Overrides:
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.pojo

#### Class UserPOJO

- java.lang.Object
- ◆ <u>com.modern.codes.lime.pojo.BasicPOJO</u>
  - ♦ ♦ com.modern.codes.lime.pojo.UserPOJO

public class UserPOJO
extends BasicPOJO

The type User pojo.

Field Summary

Fields

Class UserPOJO 306

**Field and Description** 

11.	rounier and Type	ricia ana Description
private	java.lang.String	<u>emailAddress</u>
private	boolean	enabled
private	java.util.List< <u>Job</u> >	jobs
private	java.util.Date	joinedAt
private	java.lang.String	<u>name</u>
private	java.lang.String	password
private	<pre>java.util.List&lt;<u>Role</u>&gt;</pre>	<u>roles</u>
private	java.lang.String	<u>surname</u>
private	java.lang.String	<u>username</u>
$\Diamond$		

**Modifier and Type** 

# Fields inherited from class com.modern.codes.lime.pojo.<u>BasicPOJO</u>

<u>id</u>

## **Constructor Summary**

Constructors

#### **Constructor and Description**

UserPOJO()

Instantiates a new User pojo.

<u>UserPOJO</u>(java.lang.String name, java.lang.String surname, java.lang.String username, java.lang.String password)

Instantiates a new User pojo.

# Method Summary

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

<b>Modifier and Type</b>	<b>Method and Description</b>
boolean	equals(java.lang.Object obj)
java.lang.String	<pre>getEmailAddress() Gets email address.</pre>
boolean	<pre>getEnabled() Gets enabled.</pre>
java.util.List< <u>Job</u> >	getJobs() Gets jobs.
java.util.Date	<pre>getJoinedAt() Gets joined at.</pre>
java.lang.String	<u>getName</u> ()  Gets name.

Field Summary 307

Modifier and Type	Method and Description
java.lang.String	<pre>getPassword() Gets password.</pre>
java.util.List< <u>JobPOJO</u> >	getPOJOJobs () Gets pojo jobs.
java.util.List< <u>RolePOJO</u> >	getPOJORoles () Gets pojo roles.
java.util.List< <u>Role</u> >	getRoles() Gets roles.
java.lang.String	<pre>getSurname() Gets surname.</pre>
java.lang.String	<pre>getUsername() Gets username.</pre>
int	<u>hashCode</u> ()
void	<pre>setEmailAddress(java.lang.String emailAddress) Sets email address.</pre>
void	<pre>setEnabled(boolean enabled) Sets enabled.</pre>
void	<pre>setJobs(java.util.List<job> jobs) Sets jobs.</job></pre>
void	<pre>setJoinedAt(java.util.Date joinedAt) Sets joined at.</pre>
void	<pre>setName(java.lang.String name) Sets name.</pre>
void	<pre>setPassword(java.lang.String password) Sets password.</pre>
void	<pre>setPlainPassword(java.lang.String password) Sets plain password.</pre>
void	<pre>setPOJOJobs(java.util.List<jobpojo> jobs) Sets pojo jobs.</jobpojo></pre>
void	<pre>setPOJORoles(java.util.List<rolepojo> roles) Sets pojo roles.</rolepojo></pre>
void	<pre>setRoles(java.util.List<role> roles) Sets roles.</role></pre>
void	<pre>setSurname(java.lang.String surname) Sets surname.</pre>
void	<pre>setUsername(java.lang.String username) Sets username.</pre>
۸	

# Methods inherited from class com.modern.codes.lime.pojo.<u>BasicPOJO</u>

getId, setId

Method Summary 308

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

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

# Field Detail

```
♦ name
        private java.lang.String name
♦ surname
        private java.lang.String surname
◊ joinedAt
        private java.util.Date joinedAt
◊ roles
        private java.util.List<Role> roles
◊ jobs
        private java.util.List<<u>Job</u>> jobs
♦ username
        private java.lang.String username
♦ password
        private java.lang.String password
♦ enabled
        private boolean enabled
♦ emailAddress
        private java.lang.String emailAddress
```

## **Constructor Detail**

#### **♦ UserPOJO**

public UserPOJO()

Instantiates a new User pojo.

**♦ UserPOJO** 

Instantiates a new User pojo.

# Parameters: name - the name surname - the surname username - the username password - the password **Method Detail** ♦ getEnabled public boolean getEnabled() Gets enabled. Returns: the enabled **♦** setEnabled public void setEnabled(boolean enabled) Sets enabled. Parameters: enabled - the enabled ♦ getRoles public java.util.List<<u>Role</u>> getRoles() Gets roles. Returns: the roles **♦** setRoles public void setRoles(java.util.List<<u>Role</u>> roles) Sets roles. Parameters: roles - the roles ◊ getPOJORoles public java.util.List<<u>RolePOJO</u>> getPOJORoles() Gets pojo roles. Returns: the pojo roles **◊** setPOJORoles public void setPOJORoles(java.util.List<<u>RolePOJO</u>> roles) Sets pojo roles.

Constructor Detail 310

Parameters:

roles - the roles

#### **◊** getUsername

```
public java.lang.String getUsername()
 Gets username.
 Returns:
         the username
♦ setUsername
        public void setUsername(java.lang.String username)
 Sets username.
 Parameters:
         username - the username
♦ getPassword
        public java.lang.String getPassword()
 Gets password.
 Returns:
         the password
◊ setPassword
        public void setPassword(java.lang.String password)
 Sets password.
 Parameters:
        password - the password
♦ setPlainPassword
        public void setPlainPassword(java.lang.String password)
 Sets plain password.
 Parameters:
        password - the password
♦ getJoinedAt
        public java.util.Date getJoinedAt()
 Gets joined at.
 Returns:
        the joined at
◊ setJoinedAt
        public void setJoinedAt(java.util.Date joinedAt)
 Sets joined at.
 Parameters:
         joinedAt - the joined at
```

# ♦ getName public java.lang.String getName() Gets name. Returns: the name ♦ setName public void setName(java.lang.String name) Sets name. Parameters: name - the name **♦** getSurname public java.lang.String getSurname() Gets surname. Returns: the surname **◊** setSurname public void setSurname(java.lang.String surname) Sets surname. Parameters: surname - the surname ◊ getPOJOJobs public java.util.List<<u>JobPOJO</u>> getPOJOJobs() Gets pojo jobs. Returns: the pojo jobs ♦ setPOJOJobs public void setPOJOJobs(java.util.List<<u>JobPOJO</u>> jobs) Sets pojo jobs. Parameters: jobs - the jobs ♦ getEmailAddress public java.lang.String getEmailAddress() Gets email address. Returns:

Method Detail 312

the email address

#### **◊** setEmailAddress

```
public void setEmailAddress(java.lang.String emailAddress)
 Sets email address.
 Parameters:
         emailAddress - the email address
♦ getJobs
         public java.util.List<<u>Job</u>> getJobs()
 Gets jobs.
 Returns:
         the jobs
♦ setJobs
         public void setJobs(java.util.List<<u>Job</u>> jobs)
 Sets jobs.
 Parameters:
         jobs - the jobs
♦ hashCode
         public int hashCode()
 Overrides:
         hashCode in class java.lang.Object
♦ equals
         public boolean equals(java.lang.Object obj)
 Overrides:
         equals in class java.lang.Object
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes

- Summary:
- Nested |
- <u>Field</u> |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Class BasicCRUDService<T,T\_POJO,T\_DAO extends <a href="mailto:IBasicCRUDRepository">IBasicCRUDRepository<</a><T,java.lang.String>>

- java.lang.Object
- com.modern.codes.lime.service.BasicCRUDService<T,T\_POJO,T\_DAO>
- Type Parameters:
  - T the type parameter
  - T\_POJO the type parameter
  - T\_DAO the type parameter

All Implemented Interfaces:

**IBasicCRUDService** 

Direct Known Subclasses:

FormulaService, JobService, ProductCategoryService, ProductService,

ResourceCategoryService, ResourceService, RoleService, SupplierService, UserService

public class BasicCRUDService<T, T\_POJO, T\_DAO extends <a href="mailto:IBasicCRUDRepository">IBasicCRUDRepository<</a><T, java.l

```
extends java.lang.Object
implements <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
```

The type Basic crud service.

# **Field Summary**

Fields

Modifier and Type	Field and Description	
private <u>T DAO</u>	<u>dao</u>	
<pre>private java.lang.Class&lt;<u>T POJO</u>&gt;</pre>	<u>T POJOtype</u>	
private java.lang.Class< <u>T</u> >	<u>Ttype</u>	

# **Constructor Summary**

Constructors

#### **Constructor and Description**

BasicCRUDService(T\_DAO dao, java.lang.Class<T> Ttype, java.lang.Class<<u>T POJO</u>> T\_POJOtype) Instantiates a new Basic crud service.

# **Method Summary**

All Methods Instance Methods Concrete Methods

<b>Modifier and Type</b>	<b>Method and Description</b>	
long	count () Count long.	
void	<pre>delete(java.util.List 1) Delete.</pre>	
void	<pre>delete(java.lang.Object t) Delete.</pre>	
void	<pre>delete(java.lang.String id) Delete.</pre>	
void	deleteAll() Delete all.	
boolean	<pre>equals(java.lang.Object t, java.lang.Object Equals boolean.</pre>	у)
boolean	<pre>exists(java.lang.Object t) Exists boolean.</pre>	
boolean	<pre>exists(java.lang.String id) Exists boolean.</pre>	

Field Summary 316

# **Modifier and Type Method and Description** findAll() java.util.List<<u>T POJO</u>> Find all list. findById(java.lang.String id) T POJO Find by id t pojo. save(java.util.List 1) java.util.List<<u>T POJO</u>> Save list. save(java.lang.Object t) T POJO Save t pojo. Methods inherited from class java.lang.Object clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait **Field Detail** ♦ dao private final $\underline{\text{T DAO}}$ extends $\underline{\text{IBasicCRUDRepository}} < \underline{\text{T}}$ , java.lang.String> **♦ Ttype** private final java.lang.Class $<\underline{T}>$ Ttype ♦ T\_POJOtype private final java.lang.Class<<u>T POJO</u>> T\_POJOtype **Constructor Detail ♦** BasicCRUDService BasicCRUDService (T DAO dao, java.lang.Class<T> Ttype, java.lang.Class<<u>T\_POJO</u>> T\_POJOtype) Instantiates a new Basic crud service. Parameters: dao - the dao Ttype - the ttype T\_POJOtype - the t poj otype

Method Summary 317

#### ♦ findAll

```
public java.util.List<<u>T POJO</u>> findAll()
  Description copied from interface: <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
  Find all list.
  Specified by:
           findAll in interface IBasicCRUDService
  Returns:
           the list
♦ delete
           public void delete(java.lang.String id)
  Description copied from interface: <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
  Delete.
  Specified by:
           delete in interface IBasicCRUDService
  Parameters:
           id - the id
♦ save
           public <u>T POJO</u> save(java.lang.Object t)
  Description copied from interface: <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
  Save t pojo.
  Specified by:
           save in interface IBasicCRUDService
  Parameters:
           t - the t
  Returns:
           the t pojo
◊ exists
           public boolean exists(java.lang.String id)
  Description copied from interface: <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
  Exists boolean.
  Specified by:
           exists in interface IBasicCRUDService
  Parameters:
           id - the id
  Returns:
           the boolean
♦ exists
           public boolean exists(java.lang.Object t)
  Description copied from interface: <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
  Exists boolean.
  Specified by:
           exists in interface IBasicCRUDService
```

```
Parameters:
           t - the t
  Returns:
           the boolean
◊ count
           public long count()
  Description copied from interface: <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
  Count long.
  Specified by:
           count in interface IBasicCRUDService
  Returns:
           the long
♦ equals
           public boolean equals(java.lang.Object t,
                                        java.lang.Object y)
  Description copied from interface: <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
  Equals boolean.
  Specified by:
           equals in interface IBasicCRUDService
  Parameters:
           t - the t
           y - the y
  Returns:
           the boolean
♦ deleteAll
           public void deleteAll()
  Description copied from interface: <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
  Delete all.
  Specified by:
           deleteAll in interface IBasicCRUDService
♦ findByld
           public <u>T POJO</u> findById(java.lang.String id)
  Description copied from interface: <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
  Find by id t pojo.
  Specified by:
           findById in interface IBasicCRUDService
  Parameters:
           id - the id
  Returns:
           the t pojo
```

#### ♦ delete

```
public void delete(java.lang.Object t)
  Description copied from interface: <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
  Delete.
  Specified by:
           delete in interface IBasicCRUDService
  Parameters:
           t - the t
◊ save
           public java.util.List<<u>T POJO</u>> save(java.util.List 1)
  Description copied from interface: <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
  Save list.
  Specified by:
           save in interface IBasicCRUDService
  Parameters:
           1 - the 1
  Returns:
           the list
♦ delete
           public void delete(java.util.List 1)
  Description copied from interface: <a href="mailto:IBasicCRUDService">IBasicCRUDService</a>
  Delete.
  Specified by:
           <u>delete</u> in interface <u>IBasicCRUDService</u>
  Parameters:
           1 - the 1
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes

- Summary:
- Nested |
- <u>Field</u> |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

#### Class CustomUserDetailsService

- java.lang.Object
- com.modern.codes.lime.service.CustomUserDetailsService
- All Implemented Interfaces:

org.springframework.security.core.userdetails.UserDetailsService

```
@Service
public class CustomUserDetailsService
extends java.lang.Object
implements org.springframework.security.core.userdetails.UserDetailsService
```

The type Custom user details service.

#### Field Summary

Fields

Modifier and Type

Field and
Description

private <u>IUserDAO</u> <u>dao</u>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>CustomUserDetailsService</u>(<u>IUserDAO</u> dao) Instantiates a new Custom user details service.

# Method Summary

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

Method and

org.springframework.security.core.userdetails.UserDetails  $\underline{loadUserByUsername}$ (java  $\delta$ 

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

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

# Field Detail

♦ dao

private final <u>IUserDAO</u> dao

#### **Constructor Detail**

#### **♦ CustomUserDetailsService**

@Autowired
public CustomUserDetailsService(<u>IUserDAO</u> dao)

Instantiates a new Custom user details service.

Parameters:

dao - the dao

Field Summary 323

#### Method Detail

#### **♦ loadUserByUsername**

public org.springframework.security.core.userdetails.UserDetails load

#### Specified by:

 $loadUserByUsername\ in$ 

interface org.springframework.security.core.userdetails.UserDetailsServ

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

# **Class ForecastService**

- java.lang.Object
- com.modern.codes.lime.service.ForecastService
- All Implemented Interfaces:

**IForecastService** 

@Service
public class ForecastService
extends java.lang.Object
implements <u>IForecastService</u>

The type Forecast service.

Class ForecastService 325

# Field Summary

Fields

Modifier and Type			Field and Description	
	private	<u>IJobService</u>	<u>jobService</u>	
	private	ISmoothingService	<u>smoothingService</u>	
	private	<u>ITimeSeriesService</u>	<u>timeSeriesService</u>	

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>ForecastService</u>(<u>ITimeSeriesService</u> timeSeriesService, <u>ISmoothingService</u> smoothingService, <u>IJobService</u> jobService) <u>Instantiates a new Forecast service</u>.

# Method Summary

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

Modifier and Type	Method and Description
byte[]	<pre>plotForecast(java.lang.String startDate, java.lang.Integer noDays, java.lang.Integer noDaysForecast, java.lang.String chartType) Plot forecast byte[].</pre>
$\Diamond$	

# Methods inherited from class java.lang.Object

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

# Field Detail

#### ♦ timeSeriesService

```
private final \underline{\mathtt{ITimeSeriesService}} timeSeriesService \Diamond smoothingService
```

private final <a href="ISmoothingService">ISmoothingService</a> smoothingService

Field Summary 326

## **◊** jobService

private final <a href="IJobService">IJobService</a> jobService

**♦** 

# **Constructor Detail**

#### **♦** ForecastService

Instantiates a new Forecast service.

#### Parameters:

```
timeSeriesService - the time series service
smoothingService - the smoothing service
jobService - the job service
```

**♦** 

# **Method Detail**

# ◊ plotForecast

Description copied from interface: <u>IForecastService</u> Plot forecast byte [].

Specified by:

plotForecast in interface IForecastService

#### Parameters:

```
startDate - the start date
noDays - the no days
noDaysForecast - the no days forecast
chartType - the chart type
```

#### Returns:

the byte []

#### Skip navigation links

- Overview
- Package
- Class

Field Detail 327

- <u>Tree</u>
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

# **Class FormulaService**

- java.lang.Object
- <u>com.modern.codes.lime.service.BasicCRUDService<Formula,FormulaPOJO,IFormulaDAO</u>>
  - ♦ ♦ com.modern.codes.lime.service.FormulaService
- All Implemented Interfaces:

IBasicCRUDService, IFormulaService

@Service
public class FormulaService
extends <u>BasicCRUDService<Formula,FormulaPOJO,IFormulaDAO</u>>
implements <u>IFormulaService</u>

The type Formula service.

Class FormulaService 329

# Field Summary

Fields

#### Modifier and Type Field and Description

private <u>IFormulaDAO</u> <u>dao</u>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>FormulaService</u> (<u>IFormulaDAO</u> dao) Instantiates a new Formula service.

# **Method Summary**

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

# Methods inherited from class com.modern.codes.lime.service.BasicCRUDService

```
count, delete, delete, delete, deleteAll, equals, exists, exists,
findAll, findById, save, save
```

# Methods inherited from class java.lang.Object

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

# Methods inherited from interface com.modern.codes.lime.service.<u>IFormulaService</u>

```
count, delete, delete, delete, deleteAll, equals, exists, exists,
filterByProduct, filterByProduct, filterByProduct,
filterByResource, filterByResource,
filterByResource, filterByResources, filterByResources, findAll,
findById, save, save
```

Field Summary 330

#### Field Detail

♦ dao

private final <a href="IFormulaDAO">IFormulaDAO</a> dao

**♦** 

# **Constructor Detail**

#### **◊ FormulaService**

```
@Autowired
public FormulaService(<u>IFormulaDAO</u> dao)
```

Instantiates a new Formula service.

Parameters:

dao - the dao

**♦** 

# **Method Detail**

# **◊** deleteByProductId

```
public void deleteByProductId(java.lang.String id)
```

Description copied from interface: <a href="IFormulaService">IFormulaService</a>

Delete by product id.

Specified by:

<u>deleteByProductId</u> in interface <u>IFormulaService</u>

Parameters:

id - the id

## ♦ findByProductName

```
public java.util.List<<u>FormulaPOJO</u>> findByProductName(java.lang.String
```

Description copied from interface: <a href="IFormulaService">IFormulaService</a>

Find by product name list.

Specified by:

findByProductName in interface IFormulaService

Parameters:

productName - the product name

Returns:

the list

## **♦** findByProductId

```
public java.util.List<<u>FormulaPOJO</u>> findByProductId(java.lang.String i
```

Description copied from interface: <a href="IFormulaService">IFormulaService</a>

Find by product id list.

Specified by:

Field Detail 331

<u>findByProductId</u> in interface <u>IFormulaService</u>

Parameters:

id - the id

Returns:

the list

# ♦ findByResourceId

public java.util.List<<u>FormulaPOJO</u>> findByResourceId(java.lang.String

Description copied from interface: <a href="IFormulaService">IFormulaService</a>

Find by resource id list.

Specified by:

findByResourceId in interface IFormulaService

Parameters:

id - the id

Returns:

the list

## Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Interface IBasicCRUDService<T,T\_POJO,T\_DAO extends IBasicCRUDRepository<T,java.lang.String>>

- Type Parameters:
  - ${\ensuremath{\mathbb{T}}}$  the type parameter
  - $T_POJO$  the type parameter
  - T\_DAO the type parameter

All Known Implementing Classes:

<u>BasicCRUDService</u>, <u>FormulaService</u>, <u>JobService</u>, <u>ProductCategoryService</u>, <u>ProductService</u>, <u>ResourceCategoryService</u>, <u>ResourceService</u>, <u>RoleService</u>, <u>SupplierService</u>, <u>UserService</u>

@NoRepositoryBean
public interface IBasicCRUDService<T,T\_POJO,T\_DAO extends <u>IBasicCRUDRepository</u><T,</pre>

The interface Basic crud service.

# Method Summary

# All Methods <u>Instance Methods</u> <u>Abstract Methods</u>

<b>Modifier and Type</b>	<b>Method and Description</b>
long	<pre>count () Count long.</pre>
void	<pre>delete(java.util.List<t pojo=""> 1) Delete.</t></pre>
void	<pre>delete(java.lang.String id) Delete.</pre>
void	<pre>delete(T POJO t) Delete.</pre>
void	<u>deleteAll</u> () Delete all.
boolean	equals(T POJO t, T POJO y) Equals boolean.
boolean	<pre>exists(java.lang.String id) Exists boolean.</pre>
boolean	exists (T POJO t) Exists boolean.
java.util.List< <u>T POJO</u> >	findAll() Find all list.
T POJO	<pre>findById(java.lang.String id) Find by id t pojo.</pre>
java.util.List< <u>T POJO</u> >	<pre>save(java.util.List<t pojo=""> 1) Save list.</t></pre>
T_POJO	save(T POJO t) Save t pojo.

# Method Detail

# $\Diamond \ \textbf{findAll}$

Method Summary 334

id - the id

```
♦ save
         T POJO save(T POJO t)
 Save t pojo.
 Parameters:
         t - the t
 Returns:
         the t pojo
◊ exists
         boolean exists(java.lang.String id)
 Exists boolean.
 Parameters:
         id - the id
 Returns:
         the boolean
◊ exists
         boolean exists(<u>T POJO</u> t)
 Exists boolean.
 Parameters:
         t - the t
 Returns:
         the boolean
♦ count
         long count()
 Count long.
 Returns:
         the long
◊ equals
         boolean equals (\underline{T} POJO t,
                           T POJO y)
 Equals boolean.
 Parameters:
```

Method Detail 335

t - the t y - the y

the boolean

Returns:

# ♦ deleteAll void deleteAll() Delete all. ♦ findByld T POJO findById(java.lang.String id) Find by id t pojo. Parameters: id - the id Returns: the t pojo ♦ delete void delete(<u>T POJO</u> t) Delete. Parameters: t - the t ◊ save java.util.List<<u>T POJO</u>> save(java.util.List<<u>T POJO</u>> 1) Save list. Parameters: 1 - the 1 Returns: the list ♦ delete void delete(java.util.List<<u>T POJO</u>> 1) Delete. Parameters:

## Skip navigation links

• Overview

1 - the 1

- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class

- <u>Frames</u>
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Class IBasicCRUDServiceTest<T,T\_POJO,T\_DAO extends <u>IBasicCRUDRepository</u><T,java.lang.String>,T\_SERVICE extends <u>BasicCRUDService</u><T,T\_POJO,T\_DAO>>

- java.lang.Object
- com.modern.codes.lime.service.IBasicCRUDServiceTest<T,T\_POJO,T\_DAO,T\_SERVICE>
- Direct Known Subclasses:

<u>IFormulaServiceTest</u>, <u>IJobServiceTest</u>, <u>IProductServiceTest</u>, <u>IResourceServiceTest</u>, <u>IRupplierServiceTest</u>, <u>IUserServiceTest</u>

@DataJpaTest

# Field Summary

Fields

## Modifier and Type Field and Description

private <u>T SERVICE</u> <u>service</u>

# **Constructor Summary**

Constructors

# **Constructor and Description**

IBasicCRUDServiceTest()

# Method Summary

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

Modifier and Ty	pe	Method and Description
void		<pre>countTest()</pre>
void		<u>deleteAllTest</u> ()
void		<pre>deleteByIdTest()</pre>
void		<pre>deleteByListTest()</pre>
void		<pre>deleteByObjectTest()</pre>
void		<pre>equalsTest()</pre>
void		<pre>existsTest()</pre>
void		<pre>findAllTest()</pre>
void		<pre>findByIdTest()</pre>
(package private)	void	<pre>setService(T_SERVICE service)</pre>
$\Diamond$		

# Methods inherited from class java.lang.Object

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

# Field Detail

#### **♦** service

private <u>T SERVICE</u> extends <u>BasicCRUDService</u><<u>T,T POJO,T DAO</u>> service

Field Summary 339

## Constructor Detail

#### **◊ IBasicCRUDServiceTest**

public IBasicCRUDServiceTest()

•

# **Method Detail**

```
♦ findAllTest
        public void findAllTest()
♦ deleteByIdTest
        public void deleteByIdTest()
♦ deleteByObjectTest
        public void deleteByObjectTest()
♦ deleteAllTest
        public void deleteAllTest()
♦ deleteByListTest
        public void deleteByListTest()
◊ existsTest
        public void existsTest()
◊ countTest
        public void countTest()
◊ equalsTest
        public void equalsTest()
♦ findByIdTest
        public void findByIdTest()
♦ setService
        void setService(<u>T SERVICE</u> service)
```

# Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help

Constructor Detail 340

- Prev Class
- Next Class
- <u>Frames</u>
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Interface IForecastService

• All Known Implementing Classes: ForecastService

public interface IForecastService

The interface Forecast service.

• •

# **Method Summary**

All Methods Instance Methods Abstract Methods

Modifier and Type

**Method and Description** 

# Modifier and Type

#### **Method and Description**

```
byte[]

plotForecast(java.lang.String startDate,
    java.lang.Integer noDays, java.lang.Integer noDaysForecast,
    java.lang.String chartType)
Plot forecast byte[].
```

• •

# **Method Detail**

# ◊ plotForecast

# Plot forecast byte [].

#### Parameters:

```
startDate - the start date
noDays - the no days
noDaysForecast - the no days forecast
chartType - the chart type
```

#### Returns:

the byte []

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:

Method Summary 343

- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Interface IFormulaService

• All Known Implementing Classes: FormulaService

public interface IFormulaService

The interface Formula service.

• •

# **Method Summary**

All Methods Static Methods Instance Methods Abstract Methods Default Methods

**Modifier and Type** 

**Method and Description** 

long <u>count()</u>

# **Modifier and Type**

# **Method and Description**

filterByResources(java.util.stream.Stream

java.util.List<java.lang.String> resources)

	Count long.
void	<pre>delete(java.util.List 1) Delete.</pre>
void	<pre>delete(java.lang.Object t) Delete.</pre>
void	<pre>delete(java.lang.String id) Delete.</pre>
void	deleteAll() Delete all.
void	<pre>deleteByProductId(java.lang.String id) Delete by product id.</pre>
boolean	<u>equals</u> (java.lang.Object t, java.lang.Object <b>Equals boolean</b> .
boolean	<u>exists</u> (java.lang.Object t) <b>Exists boolean.</b>
boolean	<pre>exists(java.lang.String id) Exists boolean.</pre>
static java.util.List< <u>FormulaPOJO</u> >	<pre>filterByProduct(java.util.List<formulapojo> ProductPOJO product) Filter by product list.</formulapojo></pre>
static java.util.List< <u>FormulaPOJO</u> >	<pre>filterByProduct(java.util.List<formulapojo> java.lang.String productName) Filter by product list.</formulapojo></pre>
static java.util.stream.Stream< <u>FormulaPOJO</u> >	<pre>filterByProduct(java.util.stream.Stream<for by="" filter="" pre="" product="" product)="" productpojo="" stream.<=""></for></pre>
static java.util.stream.Stream< <u>FormulaPOJO</u> >	<pre>filterByProduct(java.util.stream.Stream<for java.lang.String productName) Filter by product stream.</for </pre>
static java.util.List< <u>FormulaPOJO</u> >	<u>filterByResource</u> (java.util.List< <u>FormulaPOJC</u> <u>ResourcePOJO</u> resource) Filter by resource list.
static java.util.List< <u>FormulaPOJO</u> >	<pre>filterByResource(java.util.List<formulapojc by="" filter="" java.lang.string="" list.<="" pre="" resource="" resourcename)=""></formulapojc></pre>
static java.util.stream.Stream< <u>FormulaPOJO</u> >	<u>filterByResource</u> (java.util.stream.Stream< <u>Fo</u> <u>ResourcePOJO</u> resource)  Filter by resource stream.
static java.util.stream.Stream< <u>FormulaPOJO</u> >	<pre>filterByResource(java.util.stream.Stream<fo by="" filter="" java.lang.string="" pre="" resource="" resourcename)="" stream.<=""></fo></pre>
static java.util.List< <u>FormulaPOJO</u> >	<u>filterByResources</u> (java.util.List< <u>FormulaPOJ</u> java.util.List <java.lang.string> resources) Filter by resources list.</java.lang.string>

Method Summary 346

java.util.stream.Stream<<u>FormulaPOJO</u>>

# **Modifier and Type**

# **Method and Description**

	Filter by resources stream.
<pre>java.util.List&lt;<u>FormulaPOJO</u>&gt;</pre>	findAll() Find all list.
FormulaPOJO	<pre>findById(java.lang.String id) Find by id formula pojo.</pre>
java.util.List< <u>FormulaPOJO</u> >	<pre>findByProductId(java.lang.String id) Find by product id list.</pre>
java.util.List< <u>FormulaPOJO</u> >	<pre>findByProductName(java.lang.String productN Find by product name list.</pre>
java.util.List< <u>FormulaPOJO</u> >	<pre>findByResourceId(java.lang.String id) Find by resource id list.</pre>
<pre>java.util.List&lt;<u>FormulaPOJO</u>&gt;</pre>	<pre>save(java.util.List 1) Save list.</pre>
<u>FormulaPOJO</u>	<u>save</u> (java.lang.Object t) <b>Save formula pojo</b> .

# Method Detail

# **♦** findAll

```
java.util.List<<u>FormulaPOJO</u>> findAll()
 Find all list.
 Returns:
         the list
◊ delete
         void delete(java.lang.String id)
 Delete.
 Parameters:
         id - the id
♦ save
         FormulaPOJO save(java.lang.Object t)
 Save formula pojo.
 Parameters:
         t - the t
 Returns:
         the formula pojo
```

# ◊ exists

```
boolean exists(java.lang.String id)
 Exists boolean.
 Parameters:
         id - the id
 Returns:
         the boolean
♦ exists
         boolean exists(java.lang.Object t)
 Exists boolean.
 Parameters:
         t - the t
 Returns:
         the boolean
◊ count
         long count()
 Count long.
 Returns:
         the long
♦ equals
         boolean equals(java.lang.Object t,
                          java.lang.Object y)
 Equals boolean.
 Parameters:
         t - the t
         y - the y
 Returns:
         the boolean
♦ deleteAll
         void deleteAll()
 Delete all.
♦ findByld
         FormulaPOJO findById(java.lang.String id)
 Find by id formula pojo.
 Parameters:
         id - the id
 Returns:
         the formula pojo
```

# ♦ delete void delete(java.lang.Object t) Delete. Parameters: t - the t ♦ deleteByProductId void deleteByProductId(java.lang.String id) Delete by product id. Parameters: id - the id ♦ save java.util.List<<u>FormulaPOJO</u>> save(java.util.List 1) Save list. Parameters: 1 - the 1 Returns: the list ♦ delete void delete(java.util.List l) Delete. Parameters: 1 - the 1 **♦** findByProductName java.util.List<<u>FormulaPOJO</u>> findByProductName(java.lang.String productName) Find by product name list. Parameters: productName - the product name Returns: the list **♦** findByProductId java.util.List<<u>FormulaPOJO</u>> findByProductId(java.lang.String id) Find by product id list. Parameters: id - the id Returns:

Method Detail 349

the list

# ♦ findByResourceId

```
java.util.List<<u>FormulaPOJO</u>> findByResourceId(java.lang.String id)
 Find by resource id list.
 Parameters:
         id - the id
 Returns:
         the list
♦ filterByResource
         static java.util.List<<u>FormulaPOJO</u>> filterByResource(java.util.List<<u>FormulaPOJO</u>>
                                                                        java.lang.String
 Filter by resource list.
 Parameters:
         list - the list
         resourceName - the resource name
 Returns:
         the list
♦ filterByResource
         static java.util.stream.Stream<<u>FormulaPOJO</u>> filterByResource(java.uti
                                                                                   java.lar
 Filter by resource stream.
 Parameters:
         stream - the stream
         resourceName - the resource name
 Returns:
         the stream
♦ filterByResource
         static java.util.List<<u>FormulaPOJO</u>> filterByResource(java.util.List<<u>Fo</u>
                                                                        ResourcePOJO reso
 Filter by resource list.
 Parameters:
         list - the list
         resource - the resource
 Returns:
         the list
♦ filterByResource
         static java.util.stream.Stream<<u>FormulaPOJO</u>> filterByResource(java.uti
                                                                                   Resource
 Filter by resource stream.
 Parameters:
         stream - the stream
         resource - the resource
```

Method Detail 350

Returns:

the stream

## ♦ filterByResources

```
static java.util.List<<u>FormulaPOJO</u>> filterByResources(java.util.List<<u>FormulaPOJO</u>> java.util.List<
```

Filter by resources list.

Parameters:

list - the list

resources - the resources

Returns:

the list

## ♦ filterByResources

```
static java.util.stream.Stream<<u>FormulaPOJO</u>> filterByResources(java.ut
```

Filter by resources stream.

Parameters:

stream - the stream

resources - the resources

Returns:

the stream

# **♦** filterByProduct

```
static java.util.List<<u>FormulaPOJO</u>> filterByProduct(java.util.List<<u>FormulaPOJO</u>>
    java.lang.String p
```

Filter by product list.

Parameters:

list - the list

productName - the product name

Returns:

the list

## **♦** filterByProduct

```
static java.util.stream.Stream<<u>FormulaPOJO</u>> filterByProduct(java.util
```

Filter by product stream.

Parameters:

stream - the stream

productName - the product name

Returns:

the stream

# **♦** filterByProduct

```
static java.util.List<<u>FormulaPOJO</u>> filterByProduct(java.util.List<<u>FormulaPOJO</u>)
```

Filter by product list.

Parameters:

```
list - the list product - the product
```

Returns:

the list

# **♦** filterByProduct

Filter by product stream.

Parameters:

stream - the stream
product - the product

Returns:

the stream

## Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Class IFormulaServiceTest

- java.lang.Object
- com.modern.codes.lime.service.IBasicCRUDServiceTest<Formula,FormulaPOJO,IFormulaDAO,FormulaPOJO,IFormulaPOJO,IFormulaPOJO,IFormulaPOJO,IFormulaPOJO,IFormulaPOJO,IFormulaPOJO,IFormulaPOJO,IFormulaPOJO,IFORMULAPIDA</li>
  - ♦ ♦ com.modern.codes.lime.service.IFormulaServiceTest

@DataJpaTest

extends <u>IBasicCRUDServiceTest</u><<u>Formula,FormulaPOJO,IFormulaDAO,FormulaService</u>>

# Field Summary

Fields

#### Modifier and Type Field and Description

```
(package private) DBPopulator pop
private FormulaService serv
private IFormulaService service
```

# **Constructor Summary**

Constructors

#### **Constructor and Description**

IFormulaServiceTest()

# **Method Summary**

All Methods Instance Methods Concrete Methods

#### Modifier and Type Method and Description

# Methods inherited from class com.modern.codes.lime.service.<u>IBasicCRUDServiceTest</u>

```
countTest, deleteAllTest, deleteByIdTest, deleteByListTest,
deleteByObjectTest, equalsTest, existsTest, findAllTest,
findByIdTest, setService
```

# Methods inherited from class java.lang.Object

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

# Field Detail

## ◊ pop

@Autowired
DBPopulator pop

Field Summary 354

#### **♦** service

@Autowired
private FormulaService serv

# **Constructor Detail**

#### **◊ IFormulaServiceTest**

public IFormulaServiceTest()

# Method Detail

#### ♦ setServiceAndResetDB

```
public void setServiceAndResetDB()
$\delta$ addFormula
```

public void addFormula()

# ♦ addFormulaByList

public void addFormulaByList()

## ♦ updateTest

public void updateTest()

# ♦ updateByListTest

public void updateByListTest()

## Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames

Field Detail 355

- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Interface IJobService

• All Known Implementing Classes: <u>JobService</u>

public interface IJobService

The interface Job service.

• •

# **Method Summary**

All Methods Static Methods Instance Methods Abstract Methods Default Methods

**Modifier and Type** 

**Method and Description** 

long <u>count()</u>

Interface IJobService 357

#### **Modifier and Type Method and Description** Count long. delete(java.util.List l) void Delete. delete(java.lang.Object t) void Delete. delete(java.lang.String id) void Delete. deleteAll() void Delete all. equals(java.lang.Object t, java.lang.Object y) boolean Equals boolean. exists(java.lang.Object t) boolean Exists boolean. exists(java.lang.String id) boolean Exists boolean. filterByDateBetween (java.util.List<JobPOJO> lis java.util.Date startDate, static java.util.List<<u>JobPOJO</u>> java.util.Date endDate) Filter by date between list. filterByDateBetween (java.util.stream.Stream<Joh static java.util.Date startDate, java.util.stream.Stream<<u>JobPOJO</u>> java.util.Date endDate) Filter by date between stream. filterByProduct(java.util.List<JobPOJO> list, ProductPOJO product) static java.util.List<<u>JobPOJO</u>> Filter by product list. filterByProduct(java.util.List<JobPOJO> list, java.lang.String productName) static java.util.List<<u>JobPOJO</u>> Filter by product list. filterByProduct (java.util.stream.Stream<JobPOJO static ProductPOJO product) java.util.stream.Stream<<u>JobPOJO</u>> Filter by product stream. filterByProduct (java.util.stream.Stream<JobPOJO static java.lang.String productName) java.util.stream.Stream<<u>JobPOJO</u>> Filter by product stream. filterByUser(java.util.List<JobPOJO> list, java.lang.String userName) static java.util.List<<u>JobPOJO</u>> Filter by user list.

<u>UserPOJO</u> user)

Filter by user list.

Filter by user stream.

java.lang.String userName)

filterByUser(java.util.List<JobPOJO> list,

filterByUser(java.util.stream.Stream<<u>JobPOJO</u>> s

Method Summary 358

static java.util.List<<u>JobPOJO</u>>

java.util.stream.Stream<<u>JobPOJO</u>>

static

Modifier and Type	Method and Description
<pre>static java.util.stream.Stream&lt;<u>JobPOJO</u>&gt;</pre>	<pre>filterByUser(java.util.stream.Stream&lt;<u>JobPOJO</u>&gt; UserPOJO user) Filter by user stream.</pre>
java.util.List< <u>JobPOJO</u> >	findAll() Find all list.
java.util.List< <u>JobPOJO</u> >	<pre>findByEndDateBetween(java.util.Date begin, java.util.Date end) Find by end date between list.</pre>
<u>JobPOJO</u>	<pre>findById(java.lang.String id) Find by id job pojo.</pre>
java.util.List< <u>JobPOJO</u> >	<pre>findByProductId(java.lang.String id) Find by product id list.</pre>
java.util.List< <u>JobPOJO</u> >	<pre>findByStartDateBetween(java.util.Date begin, java.util.Date end) Find by start date between list.</pre>
java.util.List< <u>JobPOJO</u> >	<pre>findByUserId(java.lang.String id) Find by user id list.</pre>
java.util.List< <u>JobPOJO</u> >	<pre>save(java.util.List 1) Save list.</pre>

save(java.lang.Object t)

Save job pojo.

# Method Detail

<u>JobPOJO</u>

# ♦ findAll java.util.List<<u>JobPOJO</u>> findAll() Find all list. Returns: the list ◊ delete void delete(java.lang.String id) Delete. Parameters: id - the id ◊ save JobPOJO save(java.lang.Object t) Save job pojo. Parameters: t - the t Returns:

```
the job pojo
◊ exists
         boolean exists(java.lang.String id)
 Exists boolean.
 Parameters:
         id - the id
 Returns:
         the boolean
♦ exists
         boolean exists(java.lang.Object t)
 Exists boolean.
 Parameters:
         t - the t
 Returns:
         the boolean
♦ count
         long count()
 Count long.
 Returns:
         the long
♦ equals
         boolean equals(java.lang.Object t,
                          java.lang.Object y)
 Equals boolean.
 Parameters:
         t - the t
         y - the y
 Returns:
         the boolean
♦ deleteAll
         void deleteAll()
 Delete all.
♦ findByld
         JobPOJO findById(java.lang.String id)
 Find by id job pojo.
 Parameters:
         id - the id
 Returns:
         the job pojo
```

```
♦ delete
         void delete(java.lang.Object t)
 Delete.
 Parameters:
         t - the t
♦ save
         java.util.List<<u>JobPOJO</u>> save(java.util.List 1)
 Save list.
 Parameters:
         1 - the 1
 Returns:
         the list
♦ delete
         void delete(java.util.List l)
 Delete.
 Parameters:
         1 - the 1
♦ findByStartDateBetween
         java.util.List<<u>JobPOJO</u>> findByStartDateBetween(java.util.Date begin,
                                                                java.util.Date end)
 Find by start date between list.
 Parameters:
         begin - the begin
         end - the end
 Returns:
         the list
♦ findByEndDateBetween
         java.util.List<<u>JobPOJO</u>> findByEndDateBetween(java.util.Date begin,
                                                              java.util.Date end)
 Find by end date between list.
 Parameters:
         begin - the begin
         end - the end
 Returns:
         the list
♦ findByUserId
         java.util.List<<u>JobPOJO</u>> findByUserId(java.lang.String id)
 Find by user id list.
 Parameters:
         id - the id
```

```
Returns:
          the list
♦ findByProductId
          java.util.List<<u>JobPOJO</u>> findByProductId(java.lang.String id)
 Find by product id list.
 Parameters:
          id - the id
 Returns:
          the list
♦ filterByUser
         static java.util.List<<u>JobPOJO</u>> filterByUser(java.util.List<<u>JobPOJO</u>> l
                                                               java.lang.String userName
 Filter by user list.
 Parameters:
         list - the list
         userName - the user name
 Returns:
         the list
♦ filterByUser
          static java.util.stream.Stream<<u>JobPOJO</u>> filterByUser(java.util.stream
                                                                          java.lang.String
 Filter by user stream.
 Parameters:
         stream - the stream
         userName - the user name
 Returns:
         the stream
♦ filterByUser
         static java.util.List<<u>JobPOJO</u>> filterByUser(java.util.List<<u>JobPOJO</u>> ]
                                                               <u>UserPOJO</u> user)
 Filter by user list.
 Parameters:
         list - the list
         user - the user
 Returns:
          the list
♦ filterByUser
         static java.util.stream.Stream<<u>JobPOJO</u>> filterByUser(java.util.stream
                                                                          <u>UserPOJO</u> user)
 Filter by user stream.
 Parameters:
          stream - the stream
```

```
user - the user
 Returns:
         the stream
♦ filterByProduct
         static java.util.List<<u>JobPOJO</u>> filterByProduct(java.util.List<<u>JobPOJO</u>
                                                                 java.lang.String produ
 Filter by product list.
 Parameters:
         list - the list
         productName - the product name
 Returns:
         the list
♦ filterByProduct
         static java.util.stream.Stream<<u>JobPOJO</u>> filterByProduct(java.util.str
                                                                            java.lang.Str
 Filter by product stream.
 Parameters:
         stream - the stream
         productName - the product name
 Returns:
         the stream
♦ filterByProduct
         static java.util.List<<u>JobPOJO</u>> filterByProduct(java.util.List<<u>JobPOJO</u>
                                                                 ProductPOJO product)
 Filter by product list.
 Parameters:
         list - the list
         product - the product
 Returns:
         the list
♦ filterByProduct
         static java.util.stream.Stream<<u>JobPOJO</u>> filterByProduct(java.util.str
                                                                           ProductPOJO p
 Filter by product stream.
 Parameters:
         stream - the stream
         product - the product
 Returns:
         the stream
♦ filterByDateBetween
         static java.util.List<<u>JobPOJO</u>> filterByDateBetween(java.util.List<<u>Jok</u>
                                                                      java.util.Date sta
                                                                      java.util.Date end
```

```
Filter by date between list.
```

#### Parameters:

```
list - the list
startDate - the start date
endDate - the end date
```

#### Returns:

the list

#### ♦ filterByDateBetween

java.util

Filter by date between stream.

#### Parameters:

```
stream - the stream
startDate - the start date
endDate - the end date
```

#### Returns:

the stream

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

### Class IJobServiceTest

- java.lang.Object
- com.modern.codes.lime.service.IBasicCRUDServiceTest<Job,JobPOJO,IJobDAO,JobService>
  - ♦ ♦ com.modern.codes.lime.service.IJobServiceTest

@DataJpaTest

@ComponentScan(basePackages="com.modern.codes.lime.tools") @ComponentScan(basePackages)
public class IJobServiceTest

extends <u>IBasicCRUDServiceTest</u><<u>Job</u>, <u>JobPOJO</u>, <u>IJobDAO</u>, <u>JobService</u>>

# Field Summary

Fields

Class IJobServiceTest 365

#### Modifier and Type Field and Description

```
(package private) DBPopulator pop
private JobService serv
private IJobService service
```

# Constructor Summary

Constructors

#### **Constructor and Description**

IJobServiceTest()

Method Summary

All Methods Instance Methods Concrete Methods

#### Modifier and Type Method and Description

# Methods inherited from class com.modern.codes.lime.service.<u>IBasicCRUDServiceTest</u>

```
countTest, deleteAllTest, deleteByIdTest, deleteByListTest,
deleteByObjectTest, equalsTest, existsTest, findAllTest,
findByIdTest, setService
```

# Methods inherited from class java.lang.Object

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

# Field Detail

♦ pop

@Autowired
DBPopulator pop

Field Summary 366

#### **♦** service

```
@Autowired
    private <u>IJobService</u> service
◊ serv
```

@Autowired private <u>JobService</u> serv

# **Constructor Detail**

#### **♦ IJobServiceTest**

public IJobServiceTest()

# Method Detail

#### ♦ setServiceAndResetDB

public void addJobByList()
\$\forall updateTest\$

public void updateTest()
\$\forall \text{ updateByListTest}\$

public void updateByListTest()

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames

Field Detail 367

- All Classes
- Summary:
- Nested I
- Field |
- <u>Constr</u> |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

### **Interface IMailService**

• All Known Implementing Classes: MailService

public interface IMailService

The interface Mail service.

• •

# **Method Summary**

All Methods Instance Methods Abstract Methods

#### **Modifier and Type**

#### **Method and Description**

Interface IMailService 369

#### **Modifier and Type**

#### **Method and Description**

java.lang.String surname)
Prepare welcome email body string.

#### • ♦ Method Detail

#### ♦ prepareWelcomeEmailBody

Prepare welcome email body string.

#### Parameters:

username - the username password - the password name - the name surname - the surname

Returns:

the string

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:

Method Summary 370

- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Interface INotificationService

• All Known Implementing Classes: NotificationService

public interface INotificationService

The interface Notification service.

• •

# **Method Summary**

All Methods Instance Methods Abstract Methods

#### **Modifier and Type**

#### **Method and Description**

#### **Modifier and Type**

#### **Method and Description**

Check ahead boolean.

void

checkUsedResources ()
Check used resources.

• •

#### **Method Detail**

#### ♦ checkUsedResources

void checkUsedResources()

Check used resources.

#### **♦** checkAhead

Check ahead boolean.

Parameters:

res - the res email - the email use - the use

Returns:

the boolean

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I

Method Summary 373

- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Interface IProductCategoryService

• All Known Implementing Classes: <u>ProductCategoryService</u>

public interface IProductCategoryService

The interface Product category service.

• •

# **Method Summary**

All Methods <u>Instance Methods</u> <u>Abstract Methods</u>

**Modifier and Type** 

**Method and Description** 

long <u>count()</u>

## **Modifier and Type**

## **Method and Description**

Count long.
<pre>delete(java.util.List 1) Delete.</pre>
<pre>delete(java.lang.Object t) Delete.</pre>
<pre>delete(java.lang.String id) Delete.</pre>
deleteAll() Delete all.
<pre>equals(java.lang.Object t, java.lang.Object y Equals boolean.</pre>
<pre>exists(java.lang.Object t) Exists boolean.</pre>
<pre>exists(java.lang.String id) Exists boolean.</pre>
findAll() Find all list.
<pre>findById(java.lang.String id) Find by id product category pojo.</pre>
<pre>findByName(java.lang.String name) Find by name list.</pre>
<pre>findByProductsId(java.lang.String productId) Find by products id product category pojo.</pre>
<u>findByProductsName</u> (java.lang.String productNa Find by products name product category pojo.
<pre>save(java.util.List 1) Save list.</pre>
<pre>save(java.lang.Object t) Save product category pojo.</pre>

# Method Detail

### ♦ findAll

```
java.util.List<<u>ProductCategoryPOJO</u>> findAll()
```

Find all list. Returns: the list

Method Summary 376

# ♦ delete void delete(java.lang.String id) Delete. Parameters: id - the id ♦ save ProductCategoryPOJO save(java.lang.Object t) Save product category pojo. Parameters: t - the t Returns: the product category pojo ♦ exists boolean exists(java.lang.String id) Exists boolean. Parameters: id - the id Returns: the boolean ♦ exists boolean exists(java.lang.Object t) Exists boolean. Parameters: t - the t Returns: the boolean ♦ count long count() Count long. Returns: the long ◊ equals boolean equals(java.lang.Object t, java.lang.Object y) Equals boolean. Parameters: t - the t

Method Detail 377

y - the y

the boolean

Returns:

```
♦ deleteAll
         void deleteAll()
 Delete all.
♦ findByld
         ProductCategoryPOJO findById(java.lang.String id)
 Find by id product category pojo.
 Parameters:
         id - the id
 Returns:
         the product category pojo
♦ delete
         void delete(java.lang.Object t)
 Delete.
 Parameters:
         t - the t
♦ save
         java.util.List<<u>ProductCategoryPOJO</u>> save(java.util.List 1)
 Save list.
 Parameters:
         1 - the 1
 Returns:
         the list
♦ delete
         void delete(java.util.List l)
 Delete.
 Parameters:
         1 - the 1
♦ findByName
         java.util.List<<u>ProductCategoryPOJO</u>> findByName(java.lang.String name)
 Find by name list.
 Parameters:
         name - the name
 Returns:
         the list
♦ findByProductsName
         ProductCategoryPOJO findByProductsName(java.lang.String productName)
 Find by products name product category pojo.
```

Method Detail 378

Parameters:

productName - the product name

Returns:

the product category pojo

### **♦** findByProductsId

ProductCategoryPOJO findByProductsId(java.lang.String productId)

Find by products id product category pojo.

Parameters:

productId - the product id

Returns:

the product category pojo

### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

### Interface IProductService

• All Known Implementing Classes: ProductService

public interface IProductService

The interface Product service.

• •

# **Method Summary**

All Methods Static Methods Instance Methods Abstract Methods Default Methods

**Modifier and Type** 

**Method and Description** 

long <u>count()</u>

Interface IProductService

# **Modifier and Type**

# **Method and Description**

	Count long.
void	<pre>delete(java.util.List 1) Delete.</pre>
void	<pre>delete(java.lang.Object t) Delete.</pre>
void	<pre>delete(java.lang.String id) Delete.</pre>
void	deleteAll() Delete all.
boolean	<pre>equals(java.lang.Object t, java.lang.Objec Equals boolean.</pre>
boolean	<pre>exists(java.lang.Object t) Exists boolean.</pre>
boolean	<pre>exists(java.lang.String id) Exists boolean.</pre>
static java.util.List< <u>ProductPOJO</u> >	<pre>filterByCategory(java.util.List<productpoj by="" category="" category)="" filter="" list.<="" pre="" productcategory=""></productpoj></pre>
<pre>static java.util.stream.Stream&lt;<u>ProductPOJO</u>&gt;</pre>	<pre>filterByCategory(java.util.stream.Stream<pre>ProductCategory category)</pre> Filter by category stream.</pre>
static java.util.List< <u>ProductPOJO</u> >	<pre>filterByName(java.util.List<productpojo> l java.lang.String name) Filter by name list.</productpojo></pre>
<pre>static java.util.stream.Stream<productpojo></productpojo></pre>	<pre>filterByName(java.util.stream.Stream<produ java.lang.String name)</produ </pre> Filter by name stream.
java.util.List< <u>ProductPOJO</u> >	<pre>findAll() Find all list.</pre>
<pre>java.util.List&lt;<u>ProductPOJO</u>&gt;</pre>	<pre>findByAddedAtBetween(java.util.Date begin, java.util.Date end) Find by added at between list.</pre>
<pre>java.util.List&lt;<u>ProductPOJO</u>&gt;</pre>	<pre>findByCategoryId(java.lang.String category Find by category id list.</pre>
<pre>java.util.List&lt;<u>ProductPOJO</u>&gt;</pre>	<pre>findByCategoryName(java.lang.String catego Find by category name list.</pre>
ProductPOJO	<pre>findById(java.lang.String id) Find by id product pojo.</pre>
<pre>java.util.List&lt;<u>ProductPOJO</u>&gt;</pre>	<pre>findByName(java.lang.String name) Find by name list.</pre>
<pre>java.util.List&lt;<u>ProductPOJO</u>&gt;</pre>	<pre>save(java.util.List 1) Save list.</pre>
ProductPOJO	<pre>save(java.lang.Object t) Save product pojo.</pre>

Method Summary 381

#### **Method Detail**

```
♦ findAll
         java.util.List<<u>ProductPOJO</u>> findAll()
 Find all list.
 Returns:
         the list
♦ delete
         void delete(java.lang.String id)
 Delete.
 Parameters:
         id - the id
◊ save
         ProductPOJO save(java.lang.Object t)
 Save product pojo.
 Parameters:
         t - the t
 Returns:
         the product pojo
♦ exists
         boolean exists(java.lang.String id)
 Exists boolean.
 Parameters:
         id - the id
 Returns:
         the boolean
♦ exists
         boolean exists(java.lang.Object t)
 Exists boolean.
 Parameters:
         t - the t
 Returns:
         the boolean
◊ count
         long count()
 Count long.
 Returns:
         the long
```

#### ◊ equals

```
boolean equals(java.lang.Object t,
                          java.lang.Object y)
 Equals boolean.
 Parameters:
         t - the t
         y - the y
 Returns:
         the boolean
♦ deleteAll
         void deleteAll()
 Delete all.
♦ findByld
         ProductPOJO findById(java.lang.String id)
 Find by id product pojo.
 Parameters:
         id - the id
 Returns:
         the product pojo
♦ delete
         void delete(java.lang.Object t)
 Delete.
 Parameters:
         t - the t
♦ save
         java.util.List<<u>ProductPOJO</u>> save(java.util.List 1)
 Save list.
 Parameters:
         1 - the 1
 Returns:
         the list
◊ delete
         void delete(java.util.List 1)
 Delete.
 Parameters:
         1 - the 1
```

#### ♦ findByName

Returns:

the list

```
java.util.List<<u>ProductPOJO</u>> findByName(java.lang.String name)
 Find by name list.
 Parameters:
         name - the name
 Returns:
         the list
♦ findByAddedAtBetween
         java.util.List<<u>ProductPOJO</u>> findByAddedAtBetween(java.util.Date begir
                                                                   java.util.Date end)
 Find by added at between list.
 Parameters:
         begin - the begin
         end - the end
 Returns:
         the list
♦ findByCategoryName
         java.util.List<<u>ProductPOJO</u>> findByCategoryName(java.lang.String categoryName)
 Find by category name list.
 Parameters:
         categoryName - the category name
 Returns:
         the list
♦ findByCategoryId
         java.util.List<<u>ProductPOJO</u>> findByCategoryId(java.lang.String category
 Find by category id list.
 Parameters:
         category Id - the category id
 Returns:
         the list
♦ filterByName
         static java.util.List<<u>ProductPOJO</u>> filterByName(java.util.List<<u>Product</u>
                                                                  java.lang.String name
 Filter by name list.
 Parameters:
         list - the list
         name - the name
```

#### ♦ ♦ filterByName

```
static java.util.stream.Stream<a href="ProductPOJO">ProductPOJO</a> filterByName(java.util.st java.lang.St java.lang.St stream.

Parameters:

stream - the stream

name - the name

Returns:
```

# the stream ♦ filterByCategory

```
static java.util.List<<u>ProductPOJO</u>> filterByCategory(java.util.List<<u>ProductCategory</u> c
```

```
Filter by category list.
```

Parameters:

```
list - the list category - the category
```

Returns:

the list

# ♦ filterByCategory

Filter by category stream.

Parameters:

```
stream - the stream
category - the category
```

Returns:

the stream

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes

- Summary:
- Nested |
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Class IProductServiceTest

- java.lang.Object
- <u>com.modern.codes.lime.service.IBasicCRUDServiceTest<Product,ProductPOJO,IProductDAO,ProductDAO</u>
  - ♦ ♦ com.modern.codes.lime.service.IProductServiceTest

@DataJpaTest

extends <u>IBasicCRUDServiceTest</u><<u>Product,ProductPOJO</u>, <u>IProductDAO</u>, <u>ProductService</u>>

# Field Summary

Fields

#### Modifier and Type Field and Description

```
(package private) DBPopulator pop
private ProductService serv
private IProductService service
```

# **Constructor Summary**

Constructors

#### **Constructor and Description**

IProductServiceTest()

Method Summary

All Methods Instance Methods Concrete Methods

#### Modifier and Type Method and Description

# Methods inherited from class com.modern.codes.lime.service.<u>IBasicCRUDServiceTest</u>

```
countTest, deleteAllTest, deleteByIdTest, deleteByListTest,
deleteByObjectTest, equalsTest, existsTest, findAllTest,
findByIdTest, setService
```

# Methods inherited from class java.lang.Object

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

# Field Detail

◊ pop

@Autowired
DBPopulator pop

Field Summary 388

#### **♦** service

@Autowired
private ProductService serv

# **Constructor Detail**

#### **◊ IProductServiceTest**

public IProductServiceTest()

# Method Detail

#### ♦ setServiceAndResetDB

♦ updateByListTest

public void updateByListTest()

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames

Field Detail 389

- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Interface IReportService

• All Known Implementing Classes: ReportService

public interface IReportService

The interface Report service.

• •

# **Method Summary**

All Methods Instance Methods Abstract Methods

Modifier and Type

**Method and Description** 

# Modifier and Type

#### **Method and Description**

```
byte[]

getReportBytes(java.lang.String startDate,
java.lang.Integer noDays, java.lang.String chartType,
java.util.List<java.lang.String> productIds)

Get report bytes byte[].
```

• •

#### **Method Detail**

### **◊** getReportBytes

Get report bytes byte [].

#### Parameters:

```
startDate - the start date
noDays - the no days
chartType - the chart type
productIds - the product ids
```

#### Returns:

the byte []

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method

Method Summary 392

- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Interface IResourceCategoryService

• All Known Implementing Classes: ResourceCategoryService

public interface IResourceCategoryService

The interface Resource category service.

• •

# **Method Summary**

All Methods Instance Methods Abstract Methods

**Modifier and Type** 

**Method and Description** 

long <u>count()</u>

## **Modifier and Type**

### **Method and Description**

	Count long.
void	<pre>delete(java.util.List 1) Delete.</pre>
void	<pre>delete(java.lang.Object t) Delete.</pre>
void	<pre>delete(java.lang.String id) Delete.</pre>
void	deleteAll() Delete all.
boolean	<pre>equals(java.lang.Object t, java.lang.Object Equals boolean.</pre>
boolean	<pre>exists(java.lang.Object t) Exists boolean.</pre>
boolean	<pre>exists(java.lang.String id) Exists boolean.</pre>
<pre>java.util.List&lt;<u>ResourceCategoryPOJO</u>&gt;</pre>	findAll() Find all list.
ResourceCategoryPOJO	<pre>findById(java.lang.String id) Find by id resource category pojo.</pre>
java.util.List< <u>ResourceCategoryPOJO</u> >	<pre>findByName(java.lang.String name) Find by name list.</pre>
ResourceCategoryPOJO	<pre>findByResourcesId (java.lang.String resourceI Find by resources id resource category pojo.</pre>
ResourceCategoryPOJO	<u>findByResourcesName</u> (java.lang.String resource Find by resources name resource category pojo.
java.util.List< <u>ResourceCategoryPOJO</u> >	<pre>save(java.util.List 1) Save list.</pre>
ResourceCategoryPOJO	<pre>save(java.lang.Object t) Save resource category pojo.</pre>

# Method Detail

#### ♦ findAll

```
java.util.List<<u>ResourceCategoryPOJO</u>> findAll()
```

Find all list.
Returns:
the list

Method Summary 395

# ♦ delete void delete(java.lang.String id) Delete. Parameters: id - the id ♦ save ResourceCategoryPOJO save(java.lang.Object t) Save resource category pojo. Parameters: t - the t Returns: the resource category pojo ♦ exists boolean exists(java.lang.String id) Exists boolean. Parameters: id - the id Returns: the boolean ♦ exists boolean exists(java.lang.Object t) Exists boolean. Parameters: t - the t Returns: the boolean ♦ count long count() Count long. Returns: the long ◊ equals boolean equals(java.lang.Object t, java.lang.Object y) Equals boolean. Parameters: t - the t y - the y

Method Detail 396

Returns:

the boolean

```
♦ deleteAll
         void deleteAll()
 Delete all.
♦ findByld
         ResourceCategoryPOJO findById(java.lang.String id)
 Find by id resource category pojo.
 Parameters:
         id - the id
 Returns:
         the resource category pojo
♦ delete
         void delete(java.lang.Object t)
 Delete.
 Parameters:
         t - the t
♦ save
         java.util.List<<u>ResourceCategoryPOJO</u>> save(java.util.List 1)
 Save list.
 Parameters:
         1 - the 1
 Returns:
         the list
♦ delete
         void delete(java.util.List l)
 Delete.
 Parameters:
         1 - the 1
♦ findByName
         java.util.List<<u>ResourceCategoryPOJO</u>> findByName(java.lang.String name
 Find by name list.
 Parameters:
         name - the name
 Returns:
         the list
♦ findByResourcesName
         ResourceCategoryPOJO findByResourcesName(java.lang.String resourceName)
```

Method Detail 397

Find by resources name resource category pojo.

Parameters:

resourceName - the resource name

Returns:

the resource category pojo

# **♦** findByResourcesId

 $\underline{\texttt{ResourceCategoryPOJO}} \text{ findByResourcesId(java.lang.String resourceId)}$ 

Find by resources id resource category pojo.

Parameters:

resourceId - the resource id

Returns:

the resource category pojo

# Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Interface IResourceService

• All Known Implementing Classes: ResourceService

public interface IResourceService

The interface Resource service.

• •

# **Method Summary**

All Methods Static Methods Instance Methods Abstract Methods Default Methods

**Modifier and Type** 

**Method and Description** 

long <u>count()</u>

# **Modifier and Type**

# **Method and Description**

- <del>-</del>	
	Count long.
void	<pre>delete(java.util.List 1) Delete.</pre>
void	<pre>delete(java.lang.Object t) Delete.</pre>
void	<pre>delete(java.lang.String id) Delete.</pre>
void	deleteAll() Delete all.
boolean	<pre>equals(java.lang.Object t, java.lang.Objec Equals boolean.</pre>
boolean	<pre>exists(java.lang.Object t) Exists boolean.</pre>
boolean	<pre>exists(java.lang.String id) Exists boolean.</pre>
static java.util.List< <u>ResourcePOJO</u> >	<pre>filterByCategory(java.util.List<resourcepc by="" category="" category)="" filter="" java.lang.string="" list.<="" pre=""></resourcepc></pre>
<pre>static java.util.stream.Stream&lt;<u>ResourcePOJO</u>&gt;</pre>	<pre>filterByCategory(java.util.stream.Stream<b by="" category="" category)="" filter="" java.lang.string="" pre="" stream.<=""></b></pre>
static java.util.List< <u>ResourcePOJO</u> >	<pre>filterByName(java.util.List<resourcepojo> java.lang.String name) Filter by name list.</resourcepojo></pre>
static java.util.stream.Stream< <u>ResourcePOJO</u> >	<pre>filterByName(java.util.stream.Stream<resou java.lang.String name)</resou </pre> Filter by name stream.
static java.util.List< <u>ResourcePOJO</u> >	<pre>filterBySupplier(java.util.List<resourcepc by="" filter="" java.lang.string="" list.<="" pre="" supplier="" suppliername)=""></resourcepc></pre>
static java.util.List< <u>ResourcePOJO</u> >	<pre>filterBySupplier(java.util.List<resourcepc by="" filter="" list.<="" pre="" supplier="" supplier)="" supplierpojo=""></resourcepc></pre>
static java.util.stream.Stream< <u>ResourcePOJO</u> >	<pre>filterBySupplier(java.util.stream.Stream&lt;<u>F</u> java.lang.String supplierName) Filter by supplier stream.</pre>
static java.util.stream.Stream< <u>ResourcePOJO</u> >	<pre>filterBySupplier(java.util.stream.Stream&lt;<u>R</u> SupplierPOJO supplier) Filter by supplier stream.</pre>
static java.util.List< <u>ResourcePOJO</u> >	<pre>filterByUnit(java.util.List<resourcepojo> Unit unit) Filter by unit list.</resourcepojo></pre>
<pre>static java.util.stream.Stream&lt;<u>ResourcePOJO</u>&gt;</pre>	<pre>filterByUnit(java.util.stream.Stream<resou by="" filter="" pre="" stream.<="" unit="" unit)=""></resou></pre>
java.util.List< <u>ResourcePOJO</u> >	findAll()

Method Summary 400

# **Modifier and Type**

# **Method and Description**

	Find all list.
java.util.List< <u>ResourcePOJO</u> >	<pre>findByCategoryId(java.lang.String category Find by category id list.</pre>
java.util.List< <u>ResourcePOJO</u> >	<pre>findByCategoryName(java.lang.String catego Find by category name list.</pre>
ResourcePOJO	<pre>findById(java.lang.String id) Find by id resource pojo.</pre>
java.util.List< <u>ResourcePOJO</u> >	<pre>findByName(java.lang.String name) Find by name list.</pre>
java.util.List< <u>ResourcePOJO</u> >	<pre>findBySupplierId(java.lang.String supplier Find by supplier id list.</pre>
java.util.List< <u>ResourcePOJO</u> >	<pre>save(java.util.List 1) Save list.</pre>
ResourcePOJO	<pre>save(java.lang.Object t) Save resource pojo.</pre>

# Method Detail

♦ findAll

Returns:

the resource pojo

# 

# ♦ exists

```
boolean exists(java.lang.String id)
 Exists boolean.
 Parameters:
         id - the id
 Returns:
         the boolean
♦ exists
         boolean exists(java.lang.Object t)
 Exists boolean.
 Parameters:
         t - the t
 Returns:
         the boolean
◊ count
         long count()
 Count long.
 Returns:
         the long
♦ equals
         boolean equals(java.lang.Object t,
                          java.lang.Object y)
 Equals boolean.
 Parameters:
         t - the t
         y - the y
 Returns:
         the boolean
♦ deleteAll
         void deleteAll()
 Delete all.
♦ findByld
         ResourcePOJO findById(java.lang.String id)
 Find by id resource pojo.
 Parameters:
         id - the id
 Returns:
         the resource pojo
```

```
♦ delete
         void delete(java.lang.Object t)
 Delete.
 Parameters:
         t - the t
♦ save
         java.util.List<<u>ResourcePOJO</u>> save(java.util.List 1)
 Save list.
 Parameters:
         1 - the 1
 Returns:
         the list
♦ delete
         void delete(java.util.List l)
 Delete.
 Parameters:
         1 - the 1
♦ findByName
         java.util.List<<u>ResourcePOJO</u>> findByName(java.lang.String name)
 Find by name list.
 Parameters:
         name - the name
 Returns:
         the list
♦ findByCategoryName
         java.util.List<<u>ResourcePOJO</u>> findByCategoryName(java.lang.String cate
 Find by category name list.
 Parameters:
         categoryName - the category name
 Returns:
         the list
♦ findBySupplierId
         java.util.List<<u>ResourcePOJO</u>> findBySupplierId(java.lang.String suppli
 Find by supplier id list.
 Parameters:
         supplierId - the supplier id
```

Method Detail 403

Returns:

the list

# ♦ findByCategoryId

```
java.util.List<<u>ResourcePOJO</u>> findByCategoryId(java.lang.String category
 Find by category id list.
 Parameters:
          category Id - the category id
  Returns:
          the list
♦ filterByName
          static java.util.List<<u>ResourcePOJO</u>> filterByName(java.util.List<<u>ResourcePOJO</u>>
                                                                      java.lang.String nam
 Filter by name list.
 Parameters:
          list - the list
         name - the name
 Returns:
          the list
♦ filterByName
          static java.util.stream.Stream<<u>ResourcePOJO</u>> filterByName(java.util.s
                                                                                 java.lang.9
 Filter by name stream.
 Parameters:
         stream - the stream
         name - the name
  Returns:
          the stream
♦ filterByUnit
         static java.util.List<<u>ResourcePOJO</u>> filterByUnit(java.util.List<<u>ResourcePOJO</u>)
                                                                      Unit unit)
 Filter by unit list.
  Parameters:
         list - the list
         unit - the unit
  Returns:
          the list
♦ filterByUnit
         static java.util.stream.Stream<<u>ResourcePOJO</u>> filterByUnit(java.util.s
                                                                                 <u>Unit</u> unit)
 Filter by unit stream.
 Parameters:
          stream - the stream
         unit - the unit
 Returns:
```

```
the stream ♦ filterByCategory
```

Filter by category list.

Parameters:

list - the list category - the category

Returns:

the list

### ♦ filterByCategory

```
static java.util.stream.Stream<<u>ResourcePOJO</u>> filterByCategory(java.ut java.la
```

Filter by category stream.

Parameters:

stream - the stream category - the category

Returns:

the stream

### ♦ filterBySupplier

```
static java.util.List<<u>ResourcePOJO</u>> filterBySupplier(java.util.List<<u>FilterBySupplier(java.util.List</u>)
```

Filter by supplier list.

Parameters:

list - the list

supplierName - the supplier name

Returns:

the list

### ♦ filterBySupplier

```
static java.util.stream.Stream<<u>ResourcePOJO</u>> filterBySupplier(java.ut java.la
```

Filter by supplier stream.

Parameters:

stream - the stream
supplierName - the supplier name

Returns:

the stream

#### ♦ filterBySupplier

```
static java.util.List<<u>ResourcePOJO</u>> filterBySupplier(java.util.List<<u>Fermion SupplierPOJO</u> supplierPOJO
```

Filter by supplier list.

Parameters:

```
list - the list supplier - the supplier
```

Returns:

the list

# **♦** filterBySupplier

Filter by supplier stream.

Parameters:

stream - the stream
supplier - the supplier

Returns:

the stream

### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Class IResourceServiceTest

- java.lang.Object
- com.modern.codes.lime.service.IBasicCRUDServiceTest<Resource,ResourcePOJO,IResourceDAO,R</li>
  - ♦ ♦ com.modern.codes.lime.service.IResourceServiceTest

@DataJpaTest

@ComponentScan(basePackages="com.modern.codes.lime.tools") @ComponentScan(basePackages)
public class IResourceServiceTest

extends <u>IBasicCRUDServiceTest</u><<u>Resource, ResourcePOJO</u>, <u>IResourceDAO</u>, <u>ResourceService</u>>

# Field Summary

Fields

#### Modifier and Type Field and Description

```
    (package private)
    DBPopulator
    pop

    private
    ResourceService
    serv

    private
    IResourceService
    service
```

# **Constructor Summary**

Constructors

#### **Constructor and Description**

IResourceServiceTest()

# **Method Summary**

All Methods Instance Methods Concrete Methods

#### Modifier and Type Method and Description

# Methods inherited from class com.modern.codes.lime.service.<u>IBasicCRUDServiceTest</u>

```
countTest, deleteAllTest, deleteByIdTest, deleteByListTest,
deleteByObjectTest, equalsTest, existsTest, findAllTest,
findByIdTest, setService
```

# Methods inherited from class java.lang.Object

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

# Field Detail

### ◊ pop

@Autowired
DBPopulator pop

Field Summary 408

#### **♦** service

@Autowired
private <u>ResourceService</u> serv

# **Constructor Detail**

#### **♦ IResourceServiceTest**

public IResourceServiceTest()

# Method Detail

#### ♦ setServiceAndResetDB

```
public void setServiceAndResetDB()
```

### **◊** addResource

public void addResource()

# $\Diamond \ addResourceByList$

public void addResourceByList()

### ♦ updateTest

public void updateTest()

### ♦ updateByListTest

public void updateByListTest()

### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames

Field Detail 409

- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Interface IRoleService

• All Known Implementing Classes: RoleService

public interface IRoleService

The interface Role service.

• •

# **Method Summary**

All Methods Static Methods Instance Methods Abstract Methods Default Methods

**Modifier and Type** 

**Method and Description** 

long <u>count()</u>

Interface IRoleService 411

<b>Modifier and Type</b>	Method and Description
	Count long.
void	<pre>delete(java.util.List 1) Delete.</pre>
void	<pre>delete(java.lang.Object t) Delete.</pre>
void	<pre>delete(java.lang.String id) Delete.</pre>
void	deleteAll () Delete all.
boolean	<pre>equals(java.lang.Object t, java.lang.Object y) Equals boolean.</pre>
boolean	<pre>exists(java.lang.Object t) Exists boolean.</pre>
boolean	<pre>exists(java.lang.String id) Exists boolean.</pre>
static java.util.List< <u>RolePOJO</u> >	<pre>filterByName(java.util.List<rolepojo> list, java.lang.String name) Filter by name list.</rolepojo></pre>
<pre>static java.util.stream.Stream&lt;<u>RolePOJO</u>&gt;</pre>	<pre>filterByName(java.util.stream.Stream<rolepojo by="" filter="" java.lang.string="" name="" name)="" pre="" stream.<=""></rolepojo></pre>
static java.util.List< <u>RolePOJO</u> >	<pre>filterByUser(java.util.List<rolepojo> list, UserPOJO user) Filter by user list.</rolepojo></pre>
<pre>static java.util.stream.Stream&lt;<u>RolePOJO</u>&gt;</pre>	<pre>filterByUser(java.util.stream.Stream<rolepojo by="" filter="" pre="" stream.<="" user="" user)="" userpojo=""></rolepojo></pre>
java.util.List< <u>RolePOJO</u> >	findAll() Find all list.
RolePOJO	<pre>findById(java.lang.String id) Find by id role pojo.</pre>
java.util.List< <u>RolePOJO</u> >	<pre>findByName(java.lang.String name) Find by name list.</pre>
java.util.List< <u>RolePOJO</u> >	<u>save</u> (java.util.List l) Save list.
<u>RolePOJO</u>	<u>save</u> (java.lang.Object t) <b>Save role pojo</b> .

# Method Detail

Method Summary 412

# ♦ findAll java.util.List<<u>RolePOJO</u>> findAll() Find all list. Returns: the list ♦ delete void delete(java.lang.String id) Delete. Parameters: id - the id ◊ save RolePOJO save(java.lang.Object t) Save role pojo. Parameters: t - the t Returns: the role pojo ♦ exists boolean exists(java.lang.String id) Exists boolean. Parameters: id - the id Returns: the boolean **◊** exists boolean exists(java.lang.Object t) Exists boolean. Parameters: t - the t Returns: the boolean **♦** count long count() Count long. Returns:

Method Detail 413

the long

# ◊ equals

```
boolean equals(java.lang.Object t,
                          java.lang.Object y)
 Equals boolean.
 Parameters:
         t - the t
         y - the y
 Returns:
         the boolean
♦ deleteAll
         void deleteAll()
 Delete all.
♦ findByld
         RolePOJO findById(java.lang.String id)
 Find by id role pojo.
 Parameters:
         id - the id
 Returns:
         the role pojo
♦ delete
         void delete(java.lang.Object t)
 Delete.
 Parameters:
         t - the t
♦ save
         java.util.List<<u>RolePOJO</u>> save(java.util.List 1)
 Save list.
 Parameters:
         1 - the 1
 Returns:
         the list
◊ delete
         void delete(java.util.List 1)
 Delete.
 Parameters:
         1 - the 1
```

java.util.List<<u>RolePOJO</u>> findByName(java.lang.String name)

### ♦ findByName

```
Find by name list.
 Parameters:
          name - the name
 Returns:
          the list
♦ filterByName
         static java.util.List<<u>RolePOJO</u>> filterByName(java.util.List<<u>RolePOJO</u>>
                                                                 java.lang.String name)
 Filter by name list.
 Parameters:
          list - the list
         name - the name
 Returns:
         the list
♦ filterByName
          static java.util.stream.Stream<<u>RolePOJO</u>> filterByName(java.util.stream.
                                                                            java.lang.Strir
 Filter by name stream.
 Parameters:
         stream - the stream
         name - the name
 Returns:
          the stream
♦ filterByUser
         static java.util.List<<u>RolePOJO</u>> filterByUser(java.util.List<<u>RolePOJO</u>>
                                                                <u>UserPOJO</u> user)
 Filter by user list.
 Parameters:
         list - the list
         user - the user
 Returns:
         the list
♦ filterByUser
         static java.util.stream.Stream<<u>RolePOJO</u>> filterByUser(java.util.stream.
                                                                           <u>UserPOJO</u> user)
 Filter by user stream.
 Parameters:
          stream - the stream
         user - the user
```

Method Detail 415

Returns:

#### the stream

# Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Class IRoleServiceTest

- java.lang.Object
- ♦ <u>com.modern.codes.lime.service.IBasicCRUDServiceTest</u><<u>Role,RolePOJO,IRoleDAO,RoleService</u>>
  - ♦ com.modern.codes.lime.service.IRoleServiceTest

@DataJpaTest

public class IRoleServiceTest

extends <u>IBasicCRUDServiceTest</u><<u>Role, RolePOJO, IRoleDAO, RoleService</u>>

# **Field Summary**

Fields

Class IRoleServiceTest 417

#### Modifier and Type Field and Description

```
(package private) DBPopulator pop
private RoleService serv
private IRoleService service
```

# **Constructor Summary**

Constructors

#### **Constructor and Description**

IRoleServiceTest()

Method Summary

All Methods Instance Methods Concrete Methods

# Modifier and Type Method and Description

# Methods inherited from class com.modern.codes.lime.service.<u>IBasicCRUDServiceTest</u>

```
countTest, deleteAllTest, deleteByIdTest, deleteByListTest,
deleteByObjectTest, equalsTest, existsTest, findAllTest,
findByIdTest, setService
```

# Methods inherited from class java.lang.Object

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

# Field Detail

♦ pop

@Autowired
DBPopulator pop

Field Summary 418

#### **♦** service

```
@Autowired
    private <u>IRoleService</u> service
```

@Autowired
private RoleService serv

**Constructor Detail** 

#### **◊ IRoleServiceTest**

public IRoleServiceTest()

Method Detail

### ♦ setServiceAndResetDB

public void setServiceAndResetDB()

◊ addRole

public void addRole()

 $\Diamond \ addRoleByList$ 

public void addRoleByList()

♦ updateTest

public void updateTest()

♦ updateByListTest

public void updateByListTest()

### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames

Field Detail 419

- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

# Interface ISmoothingService

• All Known Implementing Classes: SmoothingService

public interface ISmoothingService

The interface Smoothing service.

• •

# **Method Summary**

All Methods Instance Methods Abstract Methods

**Modifier and Type** 

**Method and Description** 

<u>TimeSeries</u>

calculateSmoothing(TimeSeries series, int days\_ahead)

# **Modifier and Type**

### **Method and Description**

Calculate smoothing time series.

# Method Detail

# ♦ calculateSmoothing

Calculate smoothing time series.

Parameters:

series - the series
days\_ahead - the days ahead

Returns:

the time series

# Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

Method Summary 422

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

# Interface IStorageService

• All Known Implementing Classes: <u>StorageService</u>

public interface IStorageService

The interface Storage service.

• •

# **Method Summary**

All Methods <u>Instance Methods</u> <u>Abstract Methods</u>

**Modifier and Type** 

**Method and Descript** 

void

delete(java.lang.String filename)

#### **Modifier and Type**

#### Method and Descript

deleteAll() void Delete all. init() void Init. load(java.lang.String filename) java.nio.file.Path Load path. loadAll() java.util.stream.Stream<java.nio.file.Path> Load all stream. loadAsBytes(java.lang.String filename byte[] Load as bytes byte []. loadAsResource(java.lang.String filen org.springframework.core.io.Resource Load as resource resource. store (org.springframework.web.multipa void Store.

Delete.

# Method Detail

```
♦ init
        void init()
 Init.
◊ store
        void store(org.springframework.web.multipart.MultipartFile file)
 Store.
 Parameters:
         file - the file
♦ loadAll
         java.util.stream.Stream<java.nio.file.Path> loadAll()
 Load all stream.
 Returns:
         the stream
◊ load
         java.nio.file.Path load(java.lang.String filename)
 Load path.
 Parameters:
         filename - the filename
 Returns:
```

Method Summary 424

```
the path
◊ loadAsResource
         org.springframework.core.io.Resource loadAsResource(java.lang.String
 Load as resource resource.
 Parameters:
         filename - the filename
 Returns:
         the resource
◊ loadAsBytes
        byte[] loadAsBytes(java.lang.String filename)
 Load as bytes byte [].
 Parameters:
        filename - the filename
 Returns:
        the byte []
♦ deleteAll
        void deleteAll()
 Delete all.
♦ delete
        void delete(java.lang.String filename)
 Delete.
```

### Skip navigation links

• Overview

Parameters:

filename - the filename

- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes

- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

# Interface ISupplierService

• All Known Implementing Classes: SupplierService

public interface ISupplierService

The interface Supplier service.

• •

# **Method Summary**

All Methods Static Methods Instance Methods Abstract Methods Default Methods

**Modifier and Type** 

**Method and Description** 

long <u>count()</u>

# **Modifier and Type**

# **Method and Description**

	Count long.
void	<pre>delete(java.util.List 1) Delete.</pre>
void	<pre>delete(java.lang.Object t) Delete.</pre>
void	<pre>delete(java.lang.String id) Delete.</pre>
void	deleteAll() Delete all.
boolean	equals (java.lang.Object t, java.lang.Objec Equals boolean.
boolean	<pre>exists(java.lang.Object t) Exists boolean.</pre>
boolean	<pre>exists(java.lang.String id) Exists boolean.</pre>
static java.util.List< <u>SupplierPOJO</u> >	<pre>filterByCity(java.util.List<supplierpojo> java.lang.String city) Filter by city list.</supplierpojo></pre>
<pre>static java.util.stream.Stream&lt;<u>SupplierPOJO</u>&gt;</pre>	<pre>filterByCity(java.util.stream.Stream<suppl by="" city="" city)="" filter="" java.lang.string="" pre="" stream.<=""></suppl></pre>
static java.util.List< <u>SupplierPOJO</u> >	<pre>filterByCountry(java.util.List<supplierpoj by="" country="" country)="" filter="" java.lang.string="" list.<="" pre=""></supplierpoj></pre>
static java.util.stream.Stream< <u>SupplierPOJO</u> >	<pre>filterByCountry(java.util.stream.Stream<su by="" country="" country)="" filter="" java.lang.string="" pre="" stream.<=""></su></pre>
static java.util.List< <u>SupplierPOJO</u> >	<u>filterByEmailAddress</u> (java.util.List< <u>Suppli</u> java.lang.String emailAddress) Filter by email address list.
static java.util.stream.Stream< <u>SupplierPOJO</u> >	<u>filterByEmailAddress</u> (java.util.stream.Stre java.lang.String emailAddress) Filter by email address stream.
static java.util.List< <u>SupplierPOJO</u> >	<pre>filterByName(java.util.List<supplierpojo> java.lang.String name) Filter by name list.</supplierpojo></pre>
static java.util.stream.Stream< <u>SupplierPOJO</u> >	<pre>filterByName(java.util.stream.Stream<suppl by="" filter="" java.lang.string="" name="" name)="" pre="" stream.<=""></suppl></pre>
static java.util.List< <u>SupplierPOJO</u> >	<u>filterByResource</u> (java.util.List< <u>SupplierPCResourcePOJO</u> resource) Filter by resource list.
static java.util.List< <u>SupplierPOJO</u> >	<pre>filterByResource(java.util.List<supplierpc by="" filter="" java.lang.string="" list<="" pre="" resource="" resourcename)=""></supplierpc></pre>

Method Summary 428

Filter by resource list.

# **Modifier and Type**

# **Method and Description**

Modifier and Type	Method and Description
<pre>static java.util.stream.Stream&lt;<u>SupplierPOJO</u>&gt;</pre>	<pre>filterByResource(java.util.stream.Stream&lt;</pre> ResourcePOJO resource) Filter by resource stream.
<pre>static java.util.stream.Stream&lt;<u>SupplierPOJO</u>&gt;</pre>	<pre>filterByResource (java.util.stream.Stream&lt; java.lang.String resourceName) Filter by resource stream.</pre>
static java.util.List< <u>SupplierPOJO</u> >	<pre>filterByTelephone(java.util.List<supplierb java.lang.String telephone) Filter by telephone list.</supplierb </pre>
<pre>static java.util.stream.Stream&lt;<u>SupplierPOJO</u>&gt;</pre>	<pre>filterByTelephone(java.util.stream.Stream java.lang.String telephone) Filter by telephone stream.</pre>
java.util.List< <u>SupplierPOJO</u> >	findAll() Find all list.
java.util.List< <u>SupplierPOJO</u> >	<pre>findByCity(java.lang.String city) Find by city list.</pre>
java.util.List< <u>SupplierPOJO</u> >	<pre>findByCountry(java.lang.String country) Find by country list.</pre>
java.util.List< <u>SupplierPOJO</u> >	<pre>findByEmailAddress(java.lang.String emails Find by email address list.</pre>
SupplierPOJO	<pre>findById(java.lang.String id) Find by id supplier pojo.</pre>
java.util.List< <u>SupplierPOJO</u> >	<pre>findByName(java.lang.String name) Find by name list.</pre>
java.util.List< <u>SupplierPOJO</u> >	<pre>findByPostalCode(java.lang.String postalCol Find by postal code list.</pre>
java.util.List< <u>SupplierPOJO</u> >	<pre>findByTelephone(java.lang.String telephone Find by telephone list.</pre>
java.util.List< <u>SupplierPOJO</u> >	<pre>save(java.util.List 1) Save list.</pre>

save(java.lang.Object t)

Save supplier pojo.

# Method Detail

<u>SupplierPOJO</u>

# **♦** findAll

```
java.util.List<<u>SupplierPOJO</u>> findAll()
```

Find all list. Returns:

the list

# ♦ delete void delete(java.lang.String id) Delete. Parameters: id - the id ♦ save SupplierPOJO save(java.lang.Object t) Save supplier pojo. Parameters: t - the t Returns: the supplier pojo ♦ exists boolean exists(java.lang.String id) Exists boolean. Parameters: id - the id Returns: the boolean ♦ exists boolean exists(java.lang.Object t) Exists boolean. Parameters: t - the t Returns: the boolean ♦ count long count() Count long. Returns: the long ◊ equals boolean equals(java.lang.Object t, java.lang.Object y) Equals boolean. Parameters: t - the t

Method Detail 430

y - the y

the boolean

Returns:

```
♦ deleteAll
         void deleteAll()
 Delete all.
♦ findByld
         SupplierPOJO findById(java.lang.String id)
 Find by id supplier pojo.
 Parameters:
         id - the id
 Returns:
         the supplier pojo
♦ delete
         void delete(java.lang.Object t)
 Delete.
 Parameters:
         t - the t
♦ save
         java.util.List<<u>SupplierPOJO</u>> save(java.util.List 1)
 Save list.
 Parameters:
         1 - the 1
 Returns:
         the list
♦ delete
         void delete(java.util.List l)
 Delete.
 Parameters:
         1 - the 1
♦ findByEmailAddress
         java.util.List<<u>SupplierPOJO</u>> findByEmailAddress(java.lang.String emai
 Find by email address list.
 Parameters:
         emailAddress - the email address
 Returns:
         the list
♦ findByPostalCode
         java.util.List<<u>SupplierPOJO</u>> findByPostalCode(java.lang.String postal
 Find by postal code list.
```

Method Detail 431

Parameters:

```
postalCode - the postal code
 Returns:
         the list
♦ findByCity
         java.util.List<SupplierPOJO> findByCity(java.lang.String city)
 Find by city list.
 Parameters:
         city - the city
 Returns:
         the list
♦ findByCountry
         java.util.List<<u>SupplierPOJO</u>> findByCountry(java.lang.String country)
 Find by country list.
 Parameters:
         country - the country
 Returns:
         the list
♦ findByName
         java.util.List<<u>SupplierPOJO</u>> findByName(java.lang.String name)
 Find by name list.
 Parameters:
         name - the name
 Returns:
         the list
♦ findByTelephone
         java.util.List<<u>SupplierPOJO</u>> findByTelephone(java.lang.String telephone
 Find by telephone list.
 Parameters:
         \verb|telephone| - the telephone|
 Returns:
         the list
♦ filterByName
         static java.util.List<<u>SupplierPOJO</u>> filterByName(java.util.List<<u>Suppl</u>
                                                                    java.lang.String nam
 Filter by name list.
 Parameters:
         list - the list
         name - the name
 Returns:
```

Method Detail 432

the list

#### ♦ filterByName

```
static java.util.stream.Stream<<u>SupplierPOJO</u>> filterByName(java.util.s
                                                                              java.lang.S
 Filter by name stream.
 Parameters:
         stream - the stream
         name - the name
 Returns:
         the stream
♦ filterByCity
         static java.util.List<<u>SupplierPOJO</u>> filterByCity(java.util.List<<u>Suppl</u>
                                                                    java.lang.String cit
 Filter by city list.
 Parameters:
         list - the list
         city - the city
 Returns:
         the list
♦ filterByCity
         static java.util.stream.Stream<<u>SupplierPOJO</u>> filterByCity(java.util.s
                                                                              java.lang.S
 Filter by city stream.
 Parameters:
         stream - the stream
         city - the city
 Returns:
         the stream
♦ filterByEmailAddress
         static java.util.List<<u>SupplierPOJO</u>> filterByEmailAddress(java.util.Li
                                                                             java.lang.St
 Filter by email address list.
 Parameters:
         list - the list
         emailAddress - the email address
 Returns:
         the list
♦ filterByEmailAddress
         static java.util.stream.Stream<<u>SupplierPOJO</u>> filterByEmailAddress(jav
 Filter by email address stream.
 Parameters:
```

Method Detail 433

stream - the stream

```
emailAddress - the email address
 Returns:
         the stream
♦ filterByTelephone
         static java.util.List<<u>SupplierPOJO</u>> filterByTelephone(java.util.List<
                                                                         java.lang.Strir
 Filter by telephone list.
 Parameters:
         list - the list
         telephone - the telephone
 Returns:
         the list
♦ filterByTelephone
         static java.util.stream.Stream<<u>SupplierPOJO</u>> filterByTelephone(java.u
                                                                                    java.]
 Filter by telephone stream.
 Parameters:
         stream - the stream
         telephone - the telephone
 Returns:
         the stream
♦ filterByCountry
         static java.util.List<<u>SupplierPOJO</u>> filterByCountry(java.util.List<<u>Su</u>
                                                                       java.lang.String
 Filter by country list.
 Parameters:
         list - the list
         country - the country
 Returns:
         the list
♦ filterByCountry
         static java.util.stream.Stream<<u>SupplierPOJO</u>> filterByCountry(java.uti
                                                                                  java.lar
 Filter by country stream.
 Parameters:
         stream - the stream
         country - the country
 Returns:
         the stream
♦ filterByResource
         static java.util.List<<u>SupplierPOJO</u>> filterByResource(java.util.List<<u>S</u>
                                                                        java.lang.String
```

```
Filter by resource list.
 Parameters:
         list - the list
         resourceName - the resource name
 Returns:
         the list
♦ filterByResource
         static java.util.stream.Stream<<u>SupplierPOJO</u>> filterByResource(java.ut
 Filter by resource stream.
 Parameters:
         stream - the stream
         resourceName - the resource name
 Returns:
         the stream
♦ filterByResource
          static java.util.List<<u>SupplierPOJO</u>> filterByResource(java.util.List<<u>S</u>
 Filter by resource list.
 Parameters:
         list - the list
         resource - the resource
 Returns:
         the list
```

#### **♦** filterByResource

static java.util.stream.Stream<<u>SupplierPOJO</u>> filterByResource(java.ut Resourc

java.la

ResourcePOJO res

Filter by resource stream.

Parameters:

stream - the stream resource - the resource

Returns:

the stream

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class

- Next Class
- <u>Frames</u>
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Class | SupplierServiceTest

- java.lang.Object
- com.modern.codes.lime.service.IBasicCRUDServiceTest<Supplier,SupplierPOJO,ISupplierDAO,Sup</li>
  - ♦ ♦ com.modern.codes.lime.service.ISupplierServiceTest

@DataJpaTest

@ComponentScan(basePackages="com.modern.codes.lime.tools") @ComponentScan(basePackages)
public class ISupplierServiceTest

extends <u>IBasicCRUDServiceTest</u><<u>Supplier, SupplierPOJO</u>, <u>ISupplierDAO</u>, <u>SupplierService</u>>

# Field Summary

Fields

#### Modifier and Type Field and Description

```
(package private) DBPopulator pop
private SupplierService serv
private ISupplierService service
```

# **Constructor Summary**

Constructors

#### **Constructor and Description**

ISupplierServiceTest()

Method Summary

All Methods Instance Methods Concrete Methods

#### Modifier and Type Method and Description

# Methods inherited from class com.modern.codes.lime.service.<u>IBasicCRUDServiceTest</u>

```
countTest, deleteAllTest, deleteByIdTest, deleteByListTest,
deleteByObjectTest, equalsTest, existsTest, findAllTest,
findByIdTest, setService
```

# Methods inherited from class java.lang.Object

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

# Field Detail

◊ pop

@Autowired
DBPopulator pop

Field Summary 438

#### **♦** service

```
@Autowired
    private <u>ISupplierService</u> service
```

@Autowired
private <u>SupplierService</u> serv

# **Constructor Detail**

#### **♦ ISupplierServiceTest**

public ISupplierServiceTest()

#### , Method Detail

#### ♦ setServiceAndResetDB

```
\texttt{public void setServiceAndResetDB()} \\ \Diamond \ \textbf{addSupplier}
```

public void addSupplier()

#### $\lozenge \ add Supplier By List$

public void addSupplierByList()

#### ♦ updateTest

public void updateTest()

#### ♦ updateByListTest

public void updateByListTest()

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames

Field Detail 439

- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr l
- Method

com.modern.codes.lime.service

## Interface ITimeSeriesService

• All Known Implementing Classes: TimeSeriesService

public interface ITimeSeriesService

The interface Time series service.

• •

# **Method Summary**

All Methods Instance Methods Abstract Methods

**Modifier and Type** 

**Method and Description** 

#### **Modifier and Type**

#### **Method and Description**

java.util.List<java.lang.String> ProductsIds)

Extract array list.

java.util.ArrayList<<u>TimeSeries</u>>

Extract(IJobService service,
java.util.Date StartDate,
java.lang.Integer Days)

Extract array list.

# Method Detail

#### **♦** Extract

Extract array list.

Parameters:

StartDate - the start date
Days - the days
ProductsIds - the products ids

Returns:

the array list

**♦** Extract

Extract array list.

Parameters:

service - the service StartDate - the start date Days - the days

Returns:

the array list

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class

Method Summary 442

- Next Class
- <u>Frames</u>
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

### Interface IUserService

• All Known Implementing Classes: UserService

public interface IUserService

The interface User service.

• •

# **Method Summary**

All Methods Static Methods Instance Methods Abstract Methods Default Methods

**Modifier and Type** 

Method and

long count()

Interface IUserService 444

#### **Modifier and Type**

#### Method and

	Count long.
void	<u>delete</u> (java.uti <b>Delete</b> .
void	<u>delete</u> (java.lar Delete.
void	<u>delete</u> (java.lar <b>Delete</b> .
void	deleteAll() Delete all.
boolean	equals (java.lar java.lang.Objec Equals boolean.
boolean	<u>exists</u> (java.lar Exists boolean.
boolean	<u>exists</u> (java.lar Exists boolean.
static java.util.List< <u>UserPOJO</u> >	filterByName(ja java.lang.Strin Filter by name list
static java.util.stream.Stream< <u>UserPOJO</u> >	filterByName (ja java.lang.Strin Filter by name stre
static java.util.List< <u>UserPOJO</u> >	<u>filterByRole</u> (ja <u>RolePOJO</u> role) Filter by role list.
static java.util.List< <u>UserPOJO</u> >	filterByRole(ja java.lang.Strin Filter by role list.
static java.util.stream.Stream< <u>UserPOJO</u> >	<u>filterByRole</u> (ja <u>RolePOJO</u> role) Filter by role strea
static java.util.stream.Stream< <u>UserPOJO</u> >	filterByRole (ja java.lang.Strir Filter by role strea
static java.util.List< <u>UserPOJO</u> >	filterBySurname java.lang.Strin
static java.util.stream.Stream< <u>UserPOJO</u> >	filterBySurname java.lang.Strin
java.util.List< <u>UserPOJO</u> >	findAll() Find all list.
<u>UserPOJO</u>	findById(java.l Find by id user po
iava util list/UsorPOTO	findBy ToinodA+E

Count long.

<u>lete</u>(java.util.Lis

<u>lete</u>(java.lang.Obj

<u>lete</u>(java.lang.Str

<u>ıals</u>(java.lang.Obj va.lang.Object y)

<u>ists</u>(java.lang.Obj

sts(java.lang.Str

<u>terByName</u>(java.ut va.lang.String nam ter by name list.

<u>lterByName</u>(java.ut va.lang.String nam ter by name stream.

terByRole(java.ut <u>LePOJO</u> role)

<u>terByRole</u>(java.ut a.lang.String rol ter by role list.

terByRole(java.ut <u>lePOJO</u> role)

ter by role stream.

<u>lterByRole</u>(java.ut va.lang.String rol ter by role stream.

<u>lterBySurname</u>(java va.lang.String sur ter by surname list.

<u>terBySurname</u>(java a.lang.String sur ter by surname stream.

<u>ndById</u>(java.lang.S d by id user pojo.

<u>findByJoinedAtBetwee</u> java.util.Date end)

java.util.List<<u>UserPOJO</u>>

#### **Modifier and Type**

```
findByName (java.lang
java.util.List<<u>UserPOJO</u>>
                                                                         Find by name list.
                                                                         <u>findByNameAndSurname</u>
                                                                         java.lang.String sur
java.util.List<<u>UserPOJO</u>>
                                                                         Find by name and surnan
                                                                         findBySurname (java.l
java.util.List<<u>UserPOJO</u>>
                                                                         Find by surname list.
                                                                         findByUsername (java.
<u>UserPOJO</u>
                                                                         Find by username user po
                                                                         findByUsernameOrEmai
<u>UserPOJO</u>
                                                                         java.lang.String ema
                                                                         Find by username or ema
                                                                         getPasswordEncoder()
org.springframework.security.crypto.password.PasswordEncoder
                                                                         Gets password encoder.
                                                                         <u>save</u>(java.util.List
java.util.List<<u>UserPOJO</u>>
                                                                         Save list.
                                                                         save(java.lang.Objec
UserPOJO
                                                                         Save user pojo.
```

Method and

Find by joined at between

# Method Detail

```
♦ findAll
         java.util.List<<u>UserPOJO</u>> findAll()
 Find all list.
 Returns:
         the list
♦ delete
         void delete(java.lang.String id)
 Delete.
 Parameters:
         id - the id
♦ save
         UserPOJO save(java.lang.Object t)
 Save user pojo.
 Parameters:
         t - the t
 Returns:
         the user pojo
```

#### ♦ exists

```
boolean exists(java.lang.String id)
 Exists boolean.
 Parameters:
         id - the id
 Returns:
         the boolean
♦ exists
         boolean exists(java.lang.Object t)
 Exists boolean.
 Parameters:
         t - the t
 Returns:
         the boolean
◊ count
         long count()
 Count long.
 Returns:
         the long
♦ equals
         boolean equals(java.lang.Object t,
                          java.lang.Object y)
 Equals boolean.
 Parameters:
         t - the t
         y - the y
 Returns:
         the boolean
♦ deleteAll
         void deleteAll()
 Delete all.
♦ findByld
         UserPOJO findById(java.lang.String id)
 Find by id user pojo.
 Parameters:
         id - the id
 Returns:
         the user pojo
```

# ♦ delete void delete(java.lang.Object t) Delete. Parameters: t - the t ♦ save java.util.List<<u>UserPOJO</u>> save(java.util.List 1) Save list. Parameters: 1 - the 1 Returns: the list ♦ delete void delete(java.util.List l) Delete. Parameters: 1 - the 1 ♦ findByName java.util.List<<u>UserPOJO</u>> findByName(java.lang.String name) Find by name list. Parameters: name - the name Returns: the list **♦** findBySurname java.util.List<<u>UserPOJO</u>> findBySurname(java.lang.String surname) Find by surname list. Parameters: surname - the surname Returns: the list ♦ findByUsername UserPOJO findByUsername(java.lang.String username) Find by username user pojo. Parameters: username - the username Returns: the user pojo

#### ♦ findByJoinedAtBetween

```
java.util.List<<u>UserPOJO</u>> findByJoinedAtBetween(java.util.Date begin,
                                                               java.util.Date end)
 Find by joined at between list.
 Parameters:
         begin - the begin
         end - the end
 Returns:
         the list
♦ findByNameAndSurname
         java.util.List<<u>UserPOJO</u>> findByNameAndSurname(java.lang.String name,
                                                             java.lang.String surnam
 Find by name and surname list.
 Parameters:
         name - the name
         surname - the surname
 Returns:
         the list
♦ findByUsernameOrEmail
         <u>UserPOJO</u> findByUsernameOrEmail(java.lang.String username,
                                            java.lang.String email)
 Find by username or email user pojo.
 Parameters:
         username - the username
         email - the email
 Returns:
         the user pojo
♦ getPasswordEncoder
         org.springframework.security.crypto.password.PasswordEncoder getPassw
 Gets password encoder.
 Returns:
         the password encoder
♦ filterByName
         static java.util.List<<u>UserPOJO</u>> filterByName(java.util.List<<u>UserPOJO</u>>
                                                            java.lang.String name)
 Filter by name list.
 Parameters:
         list - the list
         name - the name
 Returns:
```

Method Detail 449

the list

#### ♦ filterByName

```
static java.util.stream.Stream<<u>UserPOJO</u>> filterByName(java.util.stream.
                                                                         java.lang.Strir
 Filter by name stream.
 Parameters:
         stream - the stream
         name - the name
 Returns:
         the stream
♦ filterBySurname
         static java.util.List<<u>UserPOJO</u>> filterBySurname(java.util.List<<u>UserPO</u>
                                                                  java.lang.String surr
 Filter by surname list.
 Parameters:
         list - the list
         surname - the surname
 Returns:
         the list
♦ filterBySurname
         static java.util.stream.Stream<<u>UserPOJO</u>> filterBySurname(java.util.st
                                                                             java.lang.St
 Filter by surname stream.
 Parameters:
         stream - the stream
         surname - the surname
 Returns:
         the stream
♦ filterByRole
         static java.util.List<<u>UserPOJO</u>> filterByRole(java.util.List<<u>UserPOJO</u>>
                                                               java.lang.String roleNam
 Filter by role list.
 Parameters:
         list - the list
         roleName - the role name
 Returns:
         the list
♦ filterByRole
         static java.util.stream.Stream<<u>UserPOJO</u>> filterByRole(java.util.stream
                                                                         java.lang.Strir
 Filter by role stream.
 Parameters:
```

Method Detail 450

stream - the stream

```
roleName - the role name
```

Returns:

the stream

#### **♦** filterByRole

static java.util.List<<u>UserPOJO</u>> filterByRole(java.util.List<<u>UserPOJO</u>> RolePOJO role)

Filter by role list.

Parameters:

list - the list role - the role

Returns:

the list

#### ♦ filterByRole

static java.util.stream.Stream<<u>UserPOJO</u>> filterByRole(java.util.stream.RolePOJO role)

Filter by role stream.

Parameters:

stream - the stream
role - the role

Returns:

the stream

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field I
- Constr |
- Method

- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

## Class IUserServiceTest

- java.lang.Object
- com.modern.codes.lime.service.IBasicCRUDServiceTest<User,UserPOJO,IUserDAO,UserService>
  - ♦ ♦ com.modern.codes.lime.service.IUserServiceTest

@DataJpaTest

@ComponentScan(basePackages="com.modern.codes.lime.tools") @ComponentScan(basePackages=
public class IUserServiceTest

extends <u>IBasicCRUDServiceTest</u><<u>User, UserPOJO, IUserDAO, UserService</u>>

# Field Summary

Fields

Class IUserServiceTest 453

#### Modifier and Type Field and Description

```
    (package private)
    DBPopulator
    pop

    private
    UserService
    serv

    private
    IUserService
    service
```

# **Constructor Summary**

Constructors

#### **Constructor and Description**

IUserServiceTest()

# **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

#### Modifier and Type Method and Description

# Methods inherited from class com.modern.codes.lime.service.<u>IBasicCRUDServiceTest</u>

```
countTest, deleteAllTest, deleteByIdTest, deleteByListTest,
deleteByObjectTest, equalsTest, existsTest, findAllTest,
findByIdTest, setService
```

# Methods inherited from class java.lang.Object

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

# Field Detail

♦ pop

@Autowired
DBPopulator pop

Field Summary 454

#### **◊** service

```
@Autowired
    private <u>IUserService</u> service
```

@Autowired
private <u>UserService</u> serv

**Constructor Detail** 

#### **♦ IUserServiceTest**

public IUserServiceTest()

Method Detail

#### ♦ setServiceAndResetDB

public void setServiceAndResetDB()

#### ♦ findUserByNameAndUserName

public void findUserByNameAndUserName()

◊ addUser

public void addUser()

#### ♦ addUserByList

public void addUserByList()

#### ♦ updateTest

public void updateTest()

#### ♦ updateByListTest

public void updateByListTest()

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class

Field Detail 455

- <u>Frames</u>
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

# **Class JobService**

- java.lang.Object
- com.modern.codes.lime.service.BasicCRUDService<Job,JobPOJO,IJobDAO</li>
  - ♦ ♦ com.modern.codes.lime.service.JobService
- All Implemented Interfaces:

IBasicCRUDService, IJobService

@Service
public class JobService
extends BasicCRUDService<Job, JobPOJO, IJobDAO>
implements IJobService

The type Job service.

Class JobService 457

### Field Summary

Fields

#### Modifier and Type Field and Description

private <u>IJobDAO</u> <u>dao</u>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>JobService</u>(<u>IJobDAO</u> dao)

Instantiates a new Job service.

# **Method Summary**

All Methods Instance Methods Concrete Methods

<b>Modifier and Type</b>	<b>Method and Description</b>
java.util.List< <u>JobPOJO</u> >	<pre>findByEndDateBetween(java.util.Date begin, java.util.Date end) Find by end date between list.</pre>
java.util.List< <u>JobPOJO</u> >	<pre>findByProductId(java.lang.String id) Find by product id list.</pre>
java.util.List< <u>JobPOJO</u> >	<pre>findByStartDateBetween(java.util.Date begin, java.util.Date end) Find by start date between list.</pre>
java.util.List< <u>JobPOJO</u> >	<pre>findByUserId(java.lang.String id) Find by user id list.</pre>
♦ Methods inherit	ed from

# Methods inherited from class com.modern.codes.lime.service.<u>BasicCRUDService</u>

```
count, delete, delete, delete, deleteAll, equals, exists, exists,
findAll, findById, save, save
```

# Methods inherited from class java.lang.Object

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

# Methods inherited from interface com.modern.codes.lime.service.lJobService

count, delete, delete, delete, deleteAll, equals, exists, exists,
filterByDateBetween, filterByDateBetween, filterByProduct,
filterByProduct, filterByProduct, filterByProduct, filterByProduct,

Field Summary 458

• <u>filterByUser</u>, <u>filterByUser</u>, <u>filterByUser</u>, <u>findAll</u>, <u>findById</u>, <u>save</u>, <u>save</u>

# Field Detail

◊ dao

private final <a>IJobDAO</a> dao

#### **Constructor Detail**

#### **♦** JobService

@Autowired
public JobService(<u>IJobDAO</u> dao)

Instantiates a new Job service.

Parameters:

dao - the dao

# Method Detail

#### ♦ findByStartDateBetween

Description copied from interface: <a href="IJobService">IJobService</a>

Find by start date between list.

Specified by:

findByStartDateBetween in interface IJobService

Parameters:

begin - the begin end - the end

Returns:

the list

#### ♦ findByEndDateBetween

Description copied from interface: <a href="IJobService">IJobService</a>

Find by end date between list.

Specified by:

<u>findByEndDateBetween</u> in interface <u>IJobService</u>

Parameters:

begin - the begin end - the end

```
Returns:
```

the list

#### ♦ findByUserId

```
public java.util.List<<u>JobPOJO</u>> findByUserId(java.lang.String id)
```

Description copied from interface: <a href="mailto:IJobService">IJobService</a>

Find by user id list.

Specified by:

findByUserId in interface IJobService

Parameters:

id - the id

Returns:

the list

#### ♦ findByProductId

```
public java.util.List<<u>JobPOJO</u>> findByProductId(java.lang.String id)
```

Description copied from interface: <a href="IJobService">IJobService</a>

Find by product id list.

Specified by:

findByProductId in interface IJobService

Parameters:

id - the id

Returns:

the list

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- <u>Deprecated</u>
- <u>Index</u>
- Help
- Prev Class
- Next Class
- <u>Frames</u>
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method

- Detail:
- <u>Field</u> |
- <u>Constr</u> |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# **Class MailService**

- java.lang.Object
- com.modern.codes.lime.service.MailService
- All Implemented Interfaces:

**IMailService** 

@Service
public class MailService
extends java.lang.Object
implements <u>IMailService</u>

The type Mail service.

Class MailService 462

#### Field Summary

Fields

# Modifier and Type Field and Description private static org.slf4j.Logger private static java.lang.String MAIL SMTP AUTH private static java.lang.String MAIL SMTP HOST private static java.lang.String MAIL SMTP PORT private static java.lang.String MAIL SMTP STARTTLS ENDABLE private static java.lang.String PASSWORD private static java.lang.String PUSERNAME

# **Constructor Summary**

Constructors

#### **Constructor and Description**

MailService()

**Method Summary** 

All Methods Static Methods Instance Methods Concrete Methods

#### **Modifier and Type Method and Description** ConstructOrderMsq(java.lang.String supplierName, static java.util.Map<<u>ResourcePOJO</u>, java.lang.Integer> map) java.lang.String Construct order msg string. private static getProperties() java.util.Properties private static getSession() javax.mail.Session prepareWelcomeEmailBody (java.lang.String username, java.lang.String password, java.lang.String name, java.lang.String java.lang.String surname) Prepare welcome email body string. SendEmail (java.lang.String to, java.lang.String subject, java.lang.String content) static void Send email. SendEmail (java.lang.String to, java.lang.String subject, java.lang.String content, static void byte[] attachment) Send email.

Field Summary 463

# Methods inherited from class java.lang.Object

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

# Field Detail

**♦ LOG** 

private static final org.slf4j.Logger LOG

#### **♦ MAIL\_SMTP\_AUTH**

private static final java.lang.String MAIL\_SMTP\_AUTH

See Also:

**Constant Field Values** 

#### **♦ MAIL\_SMTP\_STARTTLS\_ENDABLE**

private static final java.lang.String MAIL\_SMTP\_STARTTLS\_ENDABLE

See Also:

Constant Field Values

#### **♦ MAIL\_SMTP\_HOST**

private static final java.lang.String MAIL\_SMTP\_HOST

See Also:

Constant Field Values

#### **♦ MAIL SMTP PORT**

private static final java.lang.String MAIL\_SMTP\_PORT

See Also:

**Constant Field Values** 

#### **♦ USERNAME**

private static final java.lang.String USERNAME

See Also:

**Constant Field Values** 

#### **♦ PASSWORD**

private static final java.lang.String PASSWORD

See Also:

**Constant Field Values** 

#### Constructor Detail

#### ♦ MailService

public MailService()

**♦** 

#### **Method Detail**

#### ♦ prepareWelcomeEmailBody

```
public java.lang.String prepareWelcomeEmailBody(java.lang.String user java.lang.String pass java.lang.String name java.lang.String name java.lang.String surr

Description copied from interface: <a href="MailService">IMailService</a>
Prepare welcome email body string.

Specified by:

<a href="mailsold">prepareWelcomeEmailBody</a> in interface <a href="MailService">IMailService</a>
Parameters:

<a href="mailsold">username</a>
<a href="mailsold">password</a> - the username
<a href="mailsold">password</a> - the password
<a href="mailsold">name - the name</a>
```

#### Returns:

the string

surname - the surname

#### ♦ SendEmail

Send email.

Parameters:

```
to - the to
subject - the subject
content - the content
attachment - the attachment
```

Throws:

 $\verb"javax.mail.Messaging Exception" - the messaging exception$ 

#### ♦ SendEmail

Send email.

Parameters:

Constructor Detail 465

```
to - the to
        subject - the subject
        content - the content
 Throws:
         javax.mail.MessagingException - the messaging exception
♦ ConstructOrderMsg
        public static java.lang.String ConstructOrderMsg(java.lang.String sup
                                                              java.util.Map<Resour
 Construct order msg string.
 Parameters:
        supplierName - the supplier name
        map - the map
 Returns:
        the string
♦ getProperties
        private static java.util.Properties getProperties()
♦ getSession
        private static javax.mail.Session getSession()
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |

• Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

# **Class NotificationService**

- java.lang.Object
- com.modern.codes.lime.service.NotificationService
- All Implemented Interfaces:

**INotificationService** 

@Service
public class NotificationService
extends java.lang.Object
implements <u>INotificationService</u>

The type Notification service.

Class NotificationService

Fields

	Modifier and Type	Field and Description
private	<u>IFormulaService</u>	<u>formulaService</u>
private	<u>IJobService</u>	<u>jobService</u>
private	static org.slf4j.Logger	LOG
private	ResourceService	<u>resourceService</u>
private	<u>UserService</u>	<u>userService</u>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

```
NotificationService (UserService userService, ResourceService resourceService, IJobService jobService, IFormulaService formulaService)
Instantiates a new Notification service.
```

**♦** 

## **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

<b>Modifier and Type</b>	Method and Description
java.lang.Boolean	<pre>checkAhead(ResourcePOJO res, java.lang.String email, double use) Check ahead boolean.</pre>
void	<u>checkUsedResources</u> () Check used resources.
private java.lang.Boolean	<pre>send(java.lang.String ResourceName)</pre>
private java.lang.Boolean	<pre>sendAutomaticOrder(ResourcePOJO resource)</pre>
private void ♦	<pre>updateUsedResources(java.lang.String jobId)</pre>

# Methods inherited from class java.lang.Object

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

#### Field Detail

# 

#### **Constructor Detail**

#### **◊ NotificationService**

IJobService jobService,
IFormulaService formulaService

Instantiates a new Notification service.

#### Parameters:

```
userService - the user service
resourceService - the resource service
jobService - the job service
formulaService - the formula service
```

# **Method Detail**

#### ♦ checkUsedResources

```
public void checkUsedResources()
```

Description copied from interface: <a href="INotificationService">INotificationService</a> Check used resources.

Specified by:

checkUsedResources in interface INotificationService

Field Detail 470

#### ◆ checkAhead

```
public java.lang.Boolean checkAhead(ResourcePOJO res,
                                                   java.lang.String email,
                                                   double use)
 Description copied from interface: <a href="INotificationService">INotificationService</a>
 Check ahead boolean.
 Specified by:
         checkAhead in interface INotificationService
 Parameters:
         res - the res
         email - the email
         use - the use
 Returns:
         the boolean
♦ updateUsedResources
         private void updateUsedResources(java.lang.String jobId)
♦ send
         private java.lang.Boolean send(java.lang.String ResourceName)
♦ sendAutomaticOrder
```

private java.lang.Boolean sendAutomaticOrder(ResourcePOJO resource)

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:

- <u>Field</u> |
- <u>Constr</u> |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Class ProductCategoryService

- java.lang.Object
- com.modern.codes.lime.service.BasicCRUDService<ProductCategory,ProductCategoryPOJO,IProductCategoryPO
  - ♦ ♦ com.modern.codes.lime.service.ProductCategoryService
- All Implemented Interfaces:

IBasicCRUDService, IProductCategoryService

@Service
public class ProductCategoryService
extends BasicCRUDService<ProductCategory,ProductCategoryPOJO,IProductCategoryDAO>
implements IProductCategoryService

The type Product category service.

Fields

#### Modifier and Type Field and Description

private <a href="IProductCategoryDAO">IProductCategoryDAO</a> <a href="data">dao</a>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>ProductCategoryService</u>(<u>IProductCategoryDAO</u> dao)
Instantiates a new Product category service.

# **Method Summary**

ProductCategoryPOJO

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

Find by products name product category pojo.

java.util.List<ProductCategoryPOJO>
Find by name list.

ProductCategoryPOJO
Find by productsId (java.lang.String productId)
Find by products id product category pojo.

findByProductsName (java.lang.String productName)

findByProductsName (java.lang.String productName)

Methods inherited from

```
count, delete, delete, delete, deleteAll, equals, exists, exists,
findAll, findById, save, save
```

class com.modern.codes.lime.service.BasicCRUDService

# Methods inherited from class java.lang.Object

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

# Methods inherited from interface com.modern.codes.lime.service.<u>IProductCategoryService</u>

count, delete, delete, delete, deleteAll, equals, exists, exists,
findAll, findById, save, save

#### Field Detail

◊ dao

private final <a href="IProductCategoryDAO">IProductCategoryDAO</a> dao

**♦** 

#### **Constructor Detail**

#### ♦ ProductCategoryService

```
@Autowired
public ProductCategoryService(<u>IProductCategoryDAO</u> dao)
```

Instantiates a new Product category service.

Parameters:

dao - the dao

**♦** 

#### **Method Detail**

#### ♦ findByName

```
public java.util.List<<u>ProductCategoryPOJO</u>> findByName(java.lang.Strir
```

Description copied from interface: <a href="mailto:IProductCategoryService">IProductCategoryService</a>

Find by name list.

Specified by:

findByName in interface IProductCategoryService

Parameters:

name - the name

Returns:

the list

#### ♦ findByProductsName

```
\verb|public|| \underline{ProductCategoryPOJO}| findByProductsName(java.lang.String|| productsName(java.lang.String|| productsName(java.l
```

Description copied from interface: <a href="mailto:IProductCategoryService">IProductCategoryService</a>

Find by products name product category pojo.

Specified by:

findByProductsName in interface IProductCategoryService

Parameters:

productName - the product name

Returns:

the product category pojo

#### ♦ findByProductsId

public ProductCategoryPOJO findByProductsId(java.lang.String product)

Description copied from interface: <a href="mailto:IProductCategoryService">IProductCategoryService</a>

Field Detail 475

• Find by products id product category pojo.

Specified by:

findByProductsId in interface IProductCategoryService

Parameters:

 $\verb|productId - the product id|$ 

Returns:

the product category pojo

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

#### Class ProductService

- java.lang.Object
- <u>com.modern.codes.lime.service.BasicCRUDService<Product,ProductPOJO,IProductDAO</u>>
  - ♦ ♦ com.modern.codes.lime.service.ProductService
- All Implemented Interfaces:

IBasicCRUDService, IProductService

@Service
public class ProductService
extends BasicCRUDService<Product,ProductPOJO,IProductDAO>
implements IProductService

The type Product service.

Class ProductService 477

Fields

#### Modifier and Type Field and Description

private <u>IProductDAO</u> <u>dao</u>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>ProductService</u> (<u>IProductDAO</u> dao)

Instantiates a new Product service.

# **Method Summary**

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

# Methods inherited from class com.modern.codes.lime.service.<u>BasicCRUDService</u>

```
count, delete, delete, delete, deleteAll, equals, exists, exists,
findAll, findById, save, save
```

# Methods inherited from class java.lang.Object

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

# Methods inherited from interface com.modern.codes.lime.service.<u>IProductService</u>

count, delete, delete, delete, deleteAll, equals, exists, exists,
filterByCategory, filterByCategory, filterByName, filterByName,
findAll, findById, save, save

#### Field Detail

♦ dao

private final <a href="IProductDAO">IProductDAO</a> dao

**♦** 

#### **Constructor Detail**

#### **◊ ProductService**

```
@Autowired
public ProductService(<u>IProductDAO</u> dao)
```

Instantiates a new Product service.

Parameters:

dao - the dao

**♦** 

#### **Method Detail**

#### **♦** findByName

```
public java.util.List<<u>ProductPOJO</u>> findByName(java.lang.String name)
```

Description copied from interface: <a href="IProductService">IProductService</a>

Find by name list.

Specified by:

findByName in interface IProductService

Parameters:

name - the name

Returns:

the list

## $\Diamond \ \textbf{findByAddedAtBetween}$

Description copied from interface: <a href="IProductService">IProductService</a>

Find by added at between list.

Specified by:

findByAddedAtBetween in interface IProductService

Parameters:

begin - the begin end - the end

Returns:

the list

Field Detail 479

#### ♦ findByCategoryName

```
public java.util.List<<u>ProductPOJO</u>> findByCategoryName(java.lang.Strir
Description copied from interface: <a href="IProductService">IProductService</a>
Find by category name list.
Specified by:
        findByCategoryName in interface IProductService
```

Parameters:

categoryName - the category name

Returns:

the list

#### ♦ findByCategoryId

public java.util.List<<u>ProductPOJO</u>> findByCategoryId(java.lang.String

Description copied from interface: <a href="mailto:IProductService">IProductService</a>

Find by category id list.

Specified by:

findByCategoryId in interface IProductService

Parameters:

categoryId - the category id

Returns:

the list

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:

- <u>Field</u> |
- <u>Constr</u> |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# **Class ReportService**

- java.lang.Object
- com.modern.codes.lime.service.ReportService
- All Implemented Interfaces:

**IReportService** 

@Service
public class ReportService
extends java.lang.Object
implements <u>IReportService</u>

The type Report service.

Class ReportService 482

Fields

# Modifier and Type Field and Description

private <u>ITimeSeriesService</u> <u>timeSeriesService</u>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>ReportService</u>(<u>ITimeSeriesService</u> timeSeriesService)

Instantiates a new Report service.

# **Method Summary**

All Methods Instance Methods Concrete Methods

# Modifier and Type Method and Description byte[] getReportBytes(java.lang.String startDate, java.lang.Integer noDays, java.lang.String chartType, java.util.List<java.lang.String> productIds) Get report bytes byte [].

# Methods inherited from class java.lang.Object

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

# Field Detail

#### **◊ timeSeriesService**

private final <a href="ITimeSeriesService">ITimeSeriesService</a> timeSeriesService

# **Constructor Detail**

#### **◊ ReportService**

@Autowired
public ReportService(<u>ITimeSeriesService</u> timeSeriesService)

Instantiates a new Report service.

#### Parameters:

timeSeriesService - the time series service

**♦** 

#### **Method Detail**

#### **◊** getReportBytes

Description copied from interface: <a href="IREPORTService">IREPORTService</a>

Get report bytes byte [].

Specified by:

getReportBytes in interface IReportService

#### Parameters:

```
startDate - the start date
noDays - the no days
chartType - the chart type
productIds - the product ids
```

#### Returns:

the byte []

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:

Constructor Detail 484

- <u>Field</u> |
- <u>Constr</u> |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# Class ResourceCategoryService

- java.lang.Object
- com.modern.codes.lime.service.BasicCRUDService<ResourceCategory,ResourceCategoryPOJO,IRes</li>
  - ♦ ♦ com.modern.codes.lime.service.ResourceCategoryService
- All Implemented Interfaces:

IBasicCRUDService, IResourceCategoryService

@Service
public class ResourceCategoryService
extends BasicCRUDService<ResourceCategory, ResourceCategoryPOJO, IResourceCategoryDA
implements IResourceCategoryService</pre>

The type Resource category service.

Fields

#### Modifier and Type Field and Description

private <u>IResourceCategoryDAO</u> <u>dao</u>

# **Constructor Summary**

Constructors

 $\Diamond$ 

#### **Constructor and Description**

ResourceCategoryService (IResourceCategoryDAO dao) Instantiates a new Resource category service.

# **Method Summary**

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

java.util.List<ResourceCategoryPOJO> Find by name list.

ResourceCategoryPOJO Find by resources id resource category pojo.

ResourceCategoryPOJO Find by resources name (java.lang.String resource findByResourcesName (java.lang.String resource findByResourcesName (java.lang.String resource category pojo.)

Methods inherited from class com.modern.codes.lime.service.BasicCRUDService

```
count, delete, delete, delete, deleteAll, equals, exists, exists,
findAll, findById, save, save
```

# Methods inherited from class java.lang.Object

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

# Methods inherited from interface com.modern.codes.lime.service.lResourceCategoryServi

count, delete, delete, delete, deleteAll, equals, exists, exists,
findAll, findById, save, save

#### Field Detail

◊ dao

private final <a href="IResourceCategoryDAO">IResourceCategoryDAO</a> dao

**♦** 

#### **Constructor Detail**

#### **♦** ResourceCategoryService

```
@Autowired
public ResourceCategoryService(<u>IResourceCategoryDAO</u> dao)
```

Instantiates a new Resource category service.

Parameters:

dao - the dao

**♦** 

#### **Method Detail**

#### ♦ findByName

```
public java.util.List<<u>ResourceCategoryPOJO</u>> findByName(java.lang.Stri
```

Description copied from interface: <a href="IResourceCategoryService">IResourceCategoryService</a>

Find by name list.

Specified by:

findByName in interface <a href="IResourceCategoryService">IResourceCategoryService</a>

Parameters:

name - the name

Returns:

the list

#### ♦ findByResourcesName

Description copied from interface: <a href="IResourceCategoryService">IResourceCategoryService</a>

Find by resources name resource category pojo.

Specified by:

findByResourcesName in interface IResourceCategoryService

Parameters:

resourceName - the resource name

Returns:

the resource category pojo

#### ♦ findByResourcesId

```
public ResourceCategoryPOJO findByResourcesId(java.lang.String resourceSid(java.lang.String resourceSid
```

public ResourceCategoryPOJO findByResourcesName(java.lang.String reso

Description copied from interface: <a href="IResourceCategoryService">IResourceCategoryService</a>

Field Detail 488

• Find by resources id resource category pojo.

Specified by:

findByResourcesId in interface IResourceCategoryService

Parameters:

resourceId - the resource id

Returns:

the resource category pojo

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

#### Class ResourceService

- java.lang.Object
- <u>com.modern.codes.lime.service.BasicCRUDService<Resource,ResourcePOJO,IResourceDAO</u>>
  - ♦ ♦ com.modern.codes.lime.service.ResourceService
- All Implemented Interfaces:

IBasicCRUDService, IResourceService

```
@Service
public class ResourceService
extends BasicCRUDService<Resource, ResourcePOJO, IResourceDAO>
implements IResourceService
```

The type Resource service.

Class ResourceService 490

Fields

#### Modifier and Type Field and Description

private <u>IResourceDAO</u> dao

# **Constructor Summary**

Constructors

#### **Constructor and Description**

ResourceService (IResourceDAO dao)
Instantiates a new Resource service.

# **Method Summary**

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

# Methods inherited from class com.modern.codes.lime.service.BasicCRUDService

```
count, delete, delete, delete, deleteAll, equals, exists, exists,
findAll, findById, save, save
```

## Methods inherited from class java.lang.Object

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

# Methods inherited from interface com.modern.codes.lime.service.<u>IResourceService</u>

```
count, delete, delete, delete, deleteAll, equals, exists, exists,
filterByCategory, filterByCategory, filterByName, filterByName,
filterBySupplier, filterBySupplier, filterBySupplier,
filterBySupplier, filterByUnit, findAll, findById,
save, save
```

#### Field Detail

♦ dao

private final <a href="IResourceDAO">IResourceDAO</a> dao

**♦** 

#### **Constructor Detail**

#### **◊ ResourceService**

```
@Autowired
public ResourceService(<u>IResourceDAO</u> dao)
```

Instantiates a new Resource service.

Parameters:

dao - the dao

**♦** 

#### **Method Detail**

#### **♦** findByName

```
public java.util.List<<u>ResourcePOJO</u>> findByName(java.lang.String name)
```

Description copied from interface: <a href="IREsourceService">IRESOURCESERVICE</a>

Find by name list.

Specified by:

findByName in interface IResourceService

Parameters:

name - the name

Returns:

the list

#### ♦ findByCategoryName

```
public java.util.List<<u>ResourcePOJO</u>> findByCategoryName(java.lang.Stri
```

Description copied from interface: <a href="IResourceService">IResourceService</a>

Find by category name list.

Specified by:

findByCategoryName in interface IResourceService

Parameters:

categoryName - the category name

Returns:

the list

#### ♦ findBySupplierId

```
public java.util.List<<u>ResourcePOJO</u>> findBySupplierId(java.lang.String
```

Description copied from interface: <a href="IResourceService">IResourceService</a>

Field Detail 492

• Find by supplier id list.

Specified by:

findBySupplierId in interface IResourceService

Parameters:

supplierId - the supplier id

Returns:

the list

#### ♦ findByCategoryId

public java.util.List<<u>ResourcePOJO</u>> findByCategoryId(java.lang.String

Description copied from interface: <a href="IResourceService">IResourceService</a>

Find by category id list.

Specified by:

findByCategoryId in interface IResourceService

Parameters:

categoryId - the category id

Returns:

the list

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

#### **Class RoleService**

- java.lang.Object
- com.modern.codes.lime.service.BasicCRUDService<Role,RolePOJO,IRoleDAO</li>
  - ♦ ♦ com.modern.codes.lime.service.RoleService
- All Implemented Interfaces:

IBasicCRUDService, IRoleService

@Service
public class RoleService
extends BasicCRUDService<Role,RolePOJO,IRoleDAO>
implements IRoleService

The type Role service.

Class RoleService 494

Fields

Modifier and Type

Field and
Description

private <u>IRoleDAO</u> <u>dao</u>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

RoleService (IRoleDAO dao)
Instantiates a new Role service.

# Method Summary

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

# Methods inherited from

# class com.modern.codes.lime.service.<u>BasicCRUDService</u>

count, delete, delete, deleteAll, equals, exists, exists,
findAll, findById, save, save

# Methods inherited from class java.lang.Object

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

# Methods inherited from interface com.modern.codes.lime.service.<u>IRoleService</u>

count, delete, delete, delete, deleteAll, equals, exists, exists,
filterByName, filterByName, filterByUser, filterByUser, findAll,
findById, save, save

# Field Detail

◊ dao

private final <a href="#">IRoleDAO</a> dao

**♦** 

#### **Constructor Detail**

#### **♦** RoleService

```
@Autowired
public RoleService(<u>IRoleDAO</u> dao)
```

Instantiates a new Role service.

Parameters:

dao - the dao

**♦** 

#### **Method Detail**

#### ♦ findByName

```
public java.util.List<<u>RolePOJO</u>> findByName(java.lang.String name)
```

Description copied from interface: <a href="IRoleService">IRoleService</a>

Find by name list.

Specified by:

findByName in interface IRoleService

Parameters:

name - the name

Returns:

the list

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes

Field Detail 496

- Summary:
- Nested |
- <u>Field</u> |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# **Class SmoothingService**

- java.lang.Object
- com.modern.codes.lime.service.SmoothingService
- All Implemented Interfaces:

**ISmoothingService** 

@Service
public class SmoothingService
extends java.lang.Object
implements <u>ISmoothingService</u>

The type Smoothing service.

## Constructor Summary

Constructors

#### **Constructor and Description**

SmoothingService()

# **Method Summary**

All Methods Static Methods Instance Methods Concrete Methods

<b>Modifier and Type</b>	<b>Method and Description</b>
private static java.lang.Integer	Average (TimeSeries ts)
<u>TimeSeries</u>	<pre>calculateSmoothing(TimeSeries series, int days_ahead) Calculate smoothing time series.</pre>
private static <u>TimeSeries</u>	<pre>DoubleExpSmoothing(TimeSeries ts, double alpha, double beta, int days)</pre>
private static java.lang.Integer	<pre>MovingAverage(TimeSeries ts, int n)</pre>
private static double	MSE(TimeSeries original, TimeSeries forecast)
private static <u>TimeSeries</u>	<pre>SingleExpSmoothing(TimeSeries ts, double alpha)</pre>
private static <u>TimeSeries</u>	<pre>TripleExpSmoothing(TimeSeries ts, double alpha, double beta, double gamma, int days)</pre>
private static java.lang.Integer ♦	WeightedAverage (TimeSeries ts)

# Methods inherited from class java.lang.Object

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

# Constructor Detail

#### **♦** SmoothingService

public SmoothingService()

#### ♦ calculateSmoothing

```
public <u>TimeSeries</u> calculateSmoothing(<u>TimeSeries</u> series,
                                                    int days_ahead)
 Description copied from interface: <a href="ISmoothingService">ISmoothingService</a>
 Calculate smoothing time series.
 Specified by:
         calculateSmoothing in interface ISmoothingService
 Parameters:
         series - the series
         days_ahead - the days ahead
 Returns:
         the time series
♦ MSE
         private static double MSE (TimeSeries original,
                                      <u>TimeSeries</u> forecast)
♦ Average
         private static java.lang.Integer Average(<u>TimeSeries</u> ts)
♦ MovingAverage
         private static java.lang.Integer MovingAverage (TimeSeries ts,
                                                                int n)
♦ WeightedAverage
         private static java.lang.Integer WeightedAverage(<u>TimeSeries</u> ts)
♦ SingleExpSmoothing
         private static <u>TimeSeries</u> SingleExpSmoothing(<u>TimeSeries</u> ts,
                                                             double alpha)
♦ DoubleExpSmoothing
         private static <u>TimeSeries</u> DoubleExpSmoothing(<u>TimeSeries</u> ts,
                                                             double alpha,
                                                             double beta,
                                                             int days)
♦ TripleExpSmoothing
         private static <u>TimeSeries</u> TripleExpSmoothing(<u>TimeSeries</u> ts,
                                                             double alpha,
                                                             double beta,
                                                             double gamma,
                                                             int days)
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- <u>Deprecated</u>

- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.service

# **Class StorageService**

- java.lang.Object
- com.modern.codes.lime.service.StorageService
- All Implemented Interfaces:

**IStorageService** 

@Service
public class StorageService
extends java.lang.Object
implements <u>IStorageService</u>

The type Storage service.

Class StorageService

Fields

#### Modifier and Type Field and Description

private java.nio.file.Path rootLocation

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>StorageService</u>(<u>StorageProperties</u> properties)
Instantiates a new Storage service.

# **Method Summary**

All Methods <u>Instance Methods</u> <u>Concrete Methods</u>

#### **Modifier and Type**

#### **Method and Descript**

void	<pre>delete(java.lang.String filename) Delete.</pre>
void	deleteAll() Delete all.
private java.lang.Boolean	<pre>deleteFile(java.lang.String filename)</pre>
void	<pre>init() Init.</pre>
java.nio.file.Path	<pre>load(java.lang.String filename) Load path.</pre>
<pre>java.util.stream.Stream<java.nio.file.path></java.nio.file.path></pre>	<u>loadAll</u> () Load all stream.
byte[]	<pre>loadAsBytes(java.lang.String filename Load as bytes byte[].</pre>
org.springframework.core.io.Resource	<u>loadAsResource</u> (java.lang.String filen Load as resource resource.
void	$\underline{\mathtt{store}}$ (org.springframework.web.multipa $\underline{\mathtt{Store}}.$

# Methods inherited from class java.lang.Object

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

#### Field Detail

#### **◊** rootLocation

private final java.nio.file.Path rootLocation

**♦** 

#### **Constructor Detail**

#### **♦ StorageService**

```
@Autowired
public StorageService(<u>StorageProperties</u> properties)
```

Instantiates a new Storage service.

Parameters:

properties - the properties

**♦** 

#### **Method Detail**

```
    public void init()

Description copied from interface: IStorageService
Init.
Specified by:
        init in interface IStorageService

        void store(org.springframework.web.multipart.MultipartFile file

Description copied from interface: IStorageService
Store.
Specified by:
        store in interface IStorageService
```

public java.util.stream.Stream<java.nio.file.Path> loadAll()

Description copied from interface: <a href="IstorageService">IStorageService</a>

Load all stream.

Specified by:

Parameters:

**♦ loadAll** 

<u>loadAll</u> in interface <u>IStorageService</u>

Returns:

the stream

file - the file

Field Detail 504

# Class Hierarchy ♦ load public java.nio.file.Path load(java.lang.String filename) Description copied from interface: <a href="IstorageService">IStorageService</a> Load path. Specified by: load in interface IStorageService Parameters: filename - the filename Returns: the path **♦ loadAsResource** public org.springframework.core.io.Resource loadAsResource(java.lang. Description copied from interface: <a href="IstorageService">IStorageService</a> Load as resource resource. Specified by: <u>loadAsResource</u> in interface <u>IStorageService</u> Parameters: filename - the filename Returns: the resource ♦ loadAsBytes public byte[] loadAsBytes(java.lang.String filename) Description copied from interface: <a href="IstorageService">IStorageService</a> Load as bytes byte []. Specified by: loadAsBytes in interface IStorageService Parameters: filename - the filename Returns: the byte [] **◊** deleteAll public void deleteAll() Description copied from interface: <a href="IstorageService">IStorageService</a> Delete all. Specified by: deleteAll in interface IStorageService ♦ delete public void delete(java.lang.String filename)

Method Detail 505

Description copied from interface: IStorageService

delete in interface IStorageService

Delete. Specified by:

• Parameters:

filename - the filename

#### **◊** deleteFile

private java.lang.Boolean deleteFile(java.lang.String filename)

## Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

# Class SupplierService

- java.lang.Object
- <u>com.modern.codes.lime.service.BasicCRUDService<Supplier,SupplierPOJO,ISupplierDAO</u>>
  - ♦ ♦ com.modern.codes.lime.service.SupplierService
- All Implemented Interfaces:

IBasicCRUDService, ISupplierService

```
@Service
public class SupplierService
extends BasicCRUDService<Supplier,SupplierPOJO,ISupplierDAO>
implements ISupplierService
```

The type Supplier service.

### Field Summary

Fields

#### Modifier and Type Field and Description

private <u>ISupplierDAO</u> <u>dao</u>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>SupplierService</u> (<u>ISupplierDAO</u> dao) Instantiates a new Supplier service.

# **Method Summary**

All Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

```
findByCity(java.lang.String city)
java.util.List<SupplierPOJO>
                                 Find by city list.
                                 findByCountry(java.lang.String country)
java.util.List<<u>SupplierPOJO</u>>
                                 Find by country list.
                                 findByEmailAddress(java.lang.String emailAddress)
java.util.List<<u>SupplierPOJO</u>>
                                 Find by email address list.
                                 findByName(java.lang.String name)
java.util.List<<u>SupplierPOJO</u>>
                                 Find by name list.
                                 findByPostalCode(java.lang.String postalCode)
java.util.List<<u>SupplierPOJO</u>>
                                 Find by postal code list.
                                 findByTelephone(java.lang.String telephone)
java.util.List<SupplierPOJO>
                                 Find by telephone list.
```

# Methods inherited from class com.modern.codes.lime.service.<u>BasicCRUDService</u>

```
count, delete, delete, delete, deleteAll, equals, exists, exists,
findAll, findById, save, save
```

# Methods inherited from class java.lang.Object

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

Field Summary 508

# Methods inherited from interface com.modern.codes.lime.service.<u>ISupplierService</u>

count, delete, delete, delete, deleteAll, equals, exists, exists, filterByCity, filterByCity, filterByCountry, filterByCountry, filterByEmailAddress, filterByEmailAddress, filterByEmailAddress, filterByName, filterByResource, filterByResource, filterByResource, filterByResource, filterByResource, findAll, findById, save, save

# Field Detail

♦ dao

private final <a>ISupplierDAO</a> dao

## **Constructor Detail**

#### **♦ SupplierService**

@Autowired
public SupplierService(<u>ISupplierDAO</u> dao)

Instantiates a new Supplier service.

Parameters:

dao - the dao

# **Method Detail**

#### ♦ findByEmailAddress

public java.util.List<SupplierPOJO> findByEmailAddress(java.lang.Stri

Description copied from interface: ISupplierService

Find by email address list.

Specified by:

findByEmailAddress in interface ISupplierService

Parameters:

emailAddress - the email address

Returns:

the list

#### ♦ findByPostalCode

public java.util.List<SupplierPOJO> findByPostalCode(java.lang.String

Description copied from interface: <a href="ISupplierService">ISupplierService</a>

Find by postal code list.

Specified by:

```
findByPostalCode in interface ISupplierService
 Parameters:
         postalCode - the postal code
 Returns:
          the list
♦ findByCity
         public java.util.List<<u>SupplierPOJO</u>> findByCity(java.lang.String city)
 Description copied from interface: ISupplierService
 Find by city list.
 Specified by:
          findByCity in interface ISupplierService
 Parameters:
          city - the city
 Returns:
          the list
♦ findByCountry
         public java.util.List<<u>SupplierPOJO</u>> findByCountry(java.lang.String co
 Description copied from interface: <a href="ISupplierService">ISupplierService</a>
 Find by country list.
 Specified by:
          findByCountry in interface ISupplierService
 Parameters:
         country - the country
 Returns:
         the list
♦ findByName
         public java.util.List<SupplierPOJO> findByName(java.lang.String name)
 Description copied from interface: <a href="ISupplierService">ISupplierService</a>
 Find by name list.
 Specified by:
          findByName in interface ISupplierService
 Parameters:
         name - the name
 Returns:
          the list
♦ findByTelephone
          public java.util.List<<u>SupplierPOJO</u>> findByTelephone(java.lang.String
 Description copied from interface: <a href="ISupplierService">ISupplierService</a>
 Find by telephone list.
 Specified by:
          findByTelephone in interface ISupplierService
 Parameters:
         telephone - the telephone
```

#### Returns:

the list

## Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

# Class TimeSeriesService

- java.lang.Object
- com.modern.codes.lime.service.TimeSeriesService
- All Implemented Interfaces:

**ITimeSeriesService** 

@Service
public class TimeSeriesService
extends java.lang.Object
implements <u>ITimeSeriesService</u>

The type Time series service.

# Field Summary

Fields

#### Modifier and Type Field and Description

private <u>IJobService</u> <u>jobService</u>

# **Constructor Summary**

Constructors

#### **Constructor and Description**

<u>TimeSeriesService</u> (<u>IJobService</u> jobService) Instantiates a new Time series service.

# **Method Summary**

All Methods Static Methods Instance Methods Concrete Methods

#### **Modifier and Type**

#### **Method and Description**

V 1	1
<pre>java.util.ArrayList&lt;<u>TimeSeries</u>&gt;</pre>	<pre>Extract(java.util.Date StartDate, java.lang.Integer Days, java.util.List<java.lang.string> ProductsIds) Extract array list.</java.lang.string></pre>
<pre>java.util.ArrayList&lt;<u>TimeSeries</u>&gt;</pre>	<pre>Extract (IJobService service, java.util.Date StartDate, java.lang.Integer Days) Extract array list.</pre>
private static <u>TimeSeries</u>	<pre>ExtractProduct(java.util.List<jobpojo> list, java.util.Date StartDate, java.lang.Integer Days)</jobpojo></pre>
<pre>private static java.util.List<java.lang.string></java.lang.string></pre>	<pre>getProductId(IJobService service)</pre>

# Methods inherited from class java.lang.Object

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

# 

#### **◊** jobService

private final <a href="IJobService">IJobService</a> jobService

Field Summary 513

#### Constructor Detail

#### **♦ TimeSeriesService**

TimeSeriesService(<u>IJobService</u> jobService)

Instantiates a new Time series service.

Parameters:

jobService - the job service

**♦** 

#### **Method Detail**

#### **♦** Extract

Description copied from interface: <a href="ITIMESeriesService">ITIMESeriesService</a>

Extract array list.

Specified by:

Extract in interface ITimeSeriesService

Parameters:

StartDate - the start date

Days - the days

ProductsIds - the products ids

Returns:

the array list

#### **◊ Extract**

Description copied from interface: <a href="ITImeSeriesService">ITImeSeriesService</a>

Extract array list.

Extract in interface ITimeSeriesService

Parameters:

Specified by:

service - the service
StartDate - the start date
Days - the days

Returns:

the array list

#### **♦** ExtractProduct

Constructor Detail 514

## **◊** getProductId

private static java.util.List<java.lang.String> getProductId(<u>IJobServ</u>

## Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- <u>Help</u>
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field I
- Constr |
- Method

com.modern.codes.lime.service

## **Class UserService**

- java.lang.Object
- com.modern.codes.lime.service.BasicCRUDService<User,UserPOJO,IUserDAO</li>
  - ♦ ♦ com.modern.codes.lime.service.UserService
- All Implemented Interfaces:

IBasicCRUDService, IUserService

@Service(value="userDetailsService")
public class UserService
extends <u>BasicCRUDService<User, UserPOJO, IUserDAO</u>>
implements <u>IUserService</u>

The type User service.

Class UserService 516

# Field Summary

Fields

Field and **Modifier and Type Description** 

private <u>IUserDAO</u> <u>dao</u>

# **Constructor Summary**

Constructors

<u>UserPOJO</u>

#### **Constructor and Description**

<u>UserService</u>(<u>IUserDAO</u> dao) Instantiates a new User service.

**Method Summary** 

All Methods Instance Methods Concrete Methods

Modifier	and	Type
----------	-----	------

#### Method and

<u>findByJoinedAtBetwee</u>

java.lang.String ema Find by username or ema getPasswordEncoder()

Gets password encoder.

<pre>java.util.List&lt;<u>UserPOJO</u>&gt;</pre>	java.util.Date end) Find by joined at between
java.util.List< <u>UserPOJO</u> >	<u>findByName</u> (java.lang <b>Find by name list.</b>
java.util.List< <u>UserPOJO</u> >	<u>findByNameAndSurname</u> java.lang.String sur <b>Find by name and surnan</b>
java.util.List< <u>UserPOJO</u> >	<u>findBySurname</u> (java.l. <b>Find by surname list.</b>
<u>UserPOJO</u>	<u>findByUsername</u> (java. Find by username user po
	findByUsernameOrEmai.

org.springframework.security.crypto.password.PasswordEncoder

# Methods inherited from class com.modern.codes.lime.service.BasicCRUDService

count, delete, delete, deleteAll, equals, exists, exists, findAll, findById, save, save

Field Summary 517

# Methods inherited from class java.lang.Object

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

# Methods inherited from interface com.modern.codes.lime.service.<u>lUserService</u>

count, delete, delete, delete, deleteAll, equals, exists, exists,
filterByName, filterByName, filterByRole,
filterByRole, filterByRole, filterBySurname,
findAll, findById, save, save

# Field Detail

♦ dao

private final <u>IUserDAO</u> dao

# **Constructor Detail**

#### **♦ UserService**

@Autowired
public UserService(<u>IUserDAO</u> dao)

Instantiates a new User service.

Parameters:

dao - the dao

# **Method Detail**

#### ♦ findByName

public java.util.List<<u>UserPOJO</u>> findByName(java.lang.String name)

Description copied from interface: <a href="IUserService">IUserService</a>

Find by name list.

Specified by:

findByName in interface IUserService

Parameters:

name - the name

Returns:

the list

Description copied from interface: <u>IUserService</u>

#### **♦** findBySurname

```
Find by surname list.
  Specified by:
          findBySurname in interface IUserService
  Parameters:
          surname - the surname
  Returns:
          the list
♦ findByUsername
          public <u>UserPOJO</u> findByUsername(java.lang.String username)
  Description copied from interface: <a href="IUserService">IUserService</a>
 Find by username user pojo.
 Specified by:
          findByUsername in interface IUserService
  Parameters:
          username - the username
  Returns:
          the user pojo
♦ findByJoinedAtBetween
         public java.util.List<<u>UserPOJO</u>> findByJoinedAtBetween(java.util.Date
                                                                            java.util.Date
 Description copied from interface: <a href="IUserService">IUserService</a>
 Find by joined at between list.
  Specified by:
          findByJoinedAtBetween in interface IUserService
  Parameters:
         begin - the begin
          end - the end
  Returns:
          the list
♦ findByNameAndSurname
         public java.util.List<<u>UserPOJO</u>> findByNameAndSurname(java.lang.String
                                                                           java.lang.Strino
 Description copied from interface: <u>IUserService</u>
 Find by name and surname list.
  Specified by:
```

public java.util.List<<u>UserPOJO</u>> findBySurname(java.lang.String surnam

Method Detail 519

Parameters:

Returns:

name - the name surname - the surname

the list

findByNameAndSurname in interface IUserService

#### ♦ findByUsernameOrEmail

Description copied from interface: <a href="IUserService">IUserService</a>

Find by username or email user pojo.

Specified by:

findByUsernameOrEmail in interface IUserService

Parameters:

username - the username

email - the email

Returns:

the user pojo

#### ♦ getPasswordEncoder

@Bean

public org.springframework.security.crypto.password.PasswordEncoder of

Description copied from interface: <a href="IUserService">IUserService</a>

Gets password encoder.

Specified by:

getPasswordEncoder in interface IUserService

Returns:

the password encoder

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method

- Detail:
- <u>Field</u> |
- <u>Constr</u> |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.tools

# **Class ParseTools**

- java.lang.Object

@Service
public class ParseTools
extends java.lang.Object

The type Parse tools.

Fields

Class ParseTools 522

#### **Modifier and Type**

#### **Field and Description**

```
private static java.text.DateFormat <u>dateFormat</u>
private static org.slf4j.Logger <u>logger</u>
private static org.modelmapper.ModelMapper <u>modelMapper</u>
```

Constructor Summary

Constructors

#### **Modifier Constructor and Description**

private ParseTools()

•

# **Method Summary**

All Methods Static Methods Concrete Methods

#### Modifier and Type

#### **Method and Description**

private static <t> T</t>	<pre>convertInstanceOfObject(java.lang.Object o, java.lang.Class<t> clazz)</t></pre>
static <t> T</t>	<pre>parse(java.lang.Object obj, java.lang.Class<t> cl) Parse t.</t></pre>
static java.lang.String	<pre>parseDate(java.util.Date date) Parse date string.</pre>
static java.util.Date	<pre>parseDate(java.lang.String date) Parse date date.</pre>
<pre>static <t> java.util.List<t></t></t></pre>	<pre>parseList(java.util.List<?> list, java.lang.Class<t> cl) Parse list list.</t></pre>
static <t> java.util.List<t></t></t>	<pre>parseListObject(java.util.List<?> o, java.lang.Class<t> cl) Parse list object list.</t></pre>
static <t> java.lang.String</t>	<pre>parseToJson(java.lang.Object obj, java.lang.Class<t> cl) Parse to json string.</t></pre>

# Methods inherited from class java.lang.Object

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

# Field Detail

Field Summary 523

```
♦ modelMapper
              private static final org.modelmapper.ModelMapper modelMapper
     ♦ dateFormat
             private static final java.text.DateFormat dateFormat
     ♦ logger
             private static final org.slf4j.Logger logger
Constructor Detail
     ◊ ParseTools
             private ParseTools()
Method Detail
     ♦ parse
             public static <T> T parse(java.lang.Object obj,
                                          java.lang.Class<T> cl)
      Parse t.
      Type Parameters:
              T - the type parameter
      Parameters:
              obj - the obj
              cl - the cl
      Returns:
              the t
     ◊ parseList
             public static <T> java.util.List<T> parseList(java.util.List<?> list,
                                                               java.lang.Class<T> cl)
      Parse list list.
      Type Parameters:
              T - the type parameter
       Parameters:
             list - the list
             cl - the cl
       Returns:
              the list
     ◊ parseListObject
              public static <T> java.util.List<T> parseListObject(java.util.List<?>
```

524

Parse list object list.

Field Detail

java.lang.Class<7

```
Type Parameters:
         \ensuremath{\mathbb{T}} - the type parameter
 Parameters:
         o - the o
         cl - the cl
 Returns:
         the list
◊ parseDate
         public static java.util.Date parseDate(java.lang.String date)
 Parse date date.
 Parameters:
         date - the date
 Returns:
         the date
♦ parseDate
         public static java.lang.String parseDate(java.util.Date date)
 Parse date string.
 Parameters:
         date - the date
 Returns:
         the string
♦ parseToJson
         public static <T> java.lang.String parseToJson(java.lang.Object obj,
                                                                  java.lang.Class<T> cl)
 Parse to json string.
 Type Parameters:
         {\ensuremath{\mathbb{T}}} - the type parameter
 Parameters:
         obj - the obj
         cl - the cl
 Returns:
         the string
♦ convertInstanceOfObject
         private static <T> T convertInstanceOfObject(java.lang.Object o,
                                                               java.lang.Class<T> clazz
```

#### Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- <u>Index</u>

- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field |
- Constr |
- Method
- Detail:
- <u>Field</u> |
- Constr |
- Method

JavaScript is disabled on your browser. Skip navigation links

- Overview
- Package
- Class
- Tree
- Deprecated
- Index
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

com.modern.codes.lime.tools

# **Class TSGenerator**

- java.lang.Object
- com.modern.codes.lime.tools.TSGenerator

public class TSGenerator
extends java.lang.Object

The type Ts generator.

# Constructor Summary

Constructors

**Constructor and Description** 

Class TSGenerator 527

#### **Constructor and Description**

TSGenerator()

Instantiates a new Ts generator.

**Method Summary** 

All Methods Static Methods Concrete Methods

```
Modifier and
                                     Method and Description
    Type
               loadSampleTS(TimeSeries series, int k)
static void
              Load sample ts.
               loadSampleTSList(java.util.ArrayList<<u>TimeSeries</u>> seriesList)
static void
              Load sample ts list.
```

# Methods inherited from class java.lang.Object

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

# **Constructor Detail**

#### **♦ TSGenerator**

```
public TSGenerator()
```

Instantiates a new Ts generator.

# **Method Detail**

#### ♦ loadSampleTSList

```
public static void loadSampleTSList(java.util.ArrayList<<u>TimeSeries</u>> s
 Load sample ts list.
 Parameters:
         seriesList - the series list
♦ loadSampleTS
```

```
public static void loadSampleTS(<u>TimeSeries</u> series,
                                    int k)
```

```
Load sample ts.
Parameters:
        series - the series
        k - the k
```

#### Skip navigation links

- Overview
- Package
- Class
- <u>Tree</u>
- Deprecated
- <u>Index</u>
- Help
- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested I
- Field I
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method