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org.apache.commons.beanutils

## Class RowSetDynaClass

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.beanutils.RowSetDynaClass
* All Implemented Interfaces: [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true), [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html)  
    
  public class RowSetDynaClass  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html), [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true)  
  Implementation of [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) that creates an in-memory collection of [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s representing the results of an SQL query. Once the [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) instance has been created, the JDBC ResultSet and Statement on which it is based can be closed, and the underlying Connection can be returned to its connection pool (if you are using one).  
  The normal usage pattern is something like:  
   Connection conn = ...; // Acquire connection from pool  
   Statement stmt = conn.createStatement();  
   ResultSet rs = stmt.executeQuery("SELECT ...");  
   RowSetDynaClass rsdc = new RowSetDynaClass(rs);  
   rs.close();  
   stmt.close();  
   ...; // Return connection to pool  
   List rows = rsdc.getRows();  
   ...; // Process the rows as desired  
     
  Each column in the result set will be represented as a [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) property of the corresponding name (optionally forced to lower case for portability). There will be one [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) in the List returned by getRows() for each row in the original ResultSet.  
  In general, instances of [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) can be serialized and deserialized, which will automatically include the list of [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s representing the data content. The only exception to this rule would be when the underlying property values that were copied from the ResultSet originally cannot themselves be serialized. Therefore, a [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) makes a very convenient mechanism for transporting data sets to remote Java-based application components.Version: $Id$ See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.beanutils.RowSetDynaClass)

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + protected int | * + [limit](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#limit) Limits the size of the returned list. |
| * + protected boolean | * + [lowerCase](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#lowerCase) Flag defining whether column names should be lower cased when converted to property names. |
| * + protected [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)[] | * + [properties](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#properties) The set of dynamic properties that are part of this [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html). |
| * + protected [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)> | * + [propertiesMap](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#propertiesMap) The set of dynamic properties that are part of this [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html), keyed by the property name. |
| * + protected [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)> | * + [rows](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#rows) The list of [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s representing the contents of the original ResultSet on which this [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) was based. |

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#RowSetDynaClass-java.sql.ResultSet-)([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet) Construct a new [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) for the specified ResultSet. |
| * + [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#RowSetDynaClass-java.sql.ResultSet-boolean-)([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet, boolean lowerCase) Construct a new [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) for the specified ResultSet. |
| * + [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#RowSetDynaClass-java.sql.ResultSet-boolean-boolean-)([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet, boolean lowerCase, boolean useColumnLabel) Construct a new [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) for the specified ResultSet. |
| * + [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#RowSetDynaClass-java.sql.ResultSet-boolean-int-)([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet, boolean lowerCase, int limit) Construct a new [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) for the specified ResultSet. |
| * + [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#RowSetDynaClass-java.sql.ResultSet-boolean-int-boolean-)([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet, boolean lowerCase, int limit, boolean useColumnLabel) Construct a new [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) for the specified ResultSet. |
| * + [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#RowSetDynaClass-java.sql.ResultSet-int-)([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet, int limit) Construct a new [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) for the specified ResultSet. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + protected void | * + [copy](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#copy-java.sql.ResultSet-)([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet) Copy the column values for each row in the specified ResultSet into a newly created [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html), and add this bean to the list of [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s that will later by returned by a call to getRows(). |
| * + protected [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) | * + [createDynaBean](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#createDynaBean--)() Create and return a new [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) instance to be used for representing a row in the underlying result set. |
| * + protected [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) | * + [createDynaProperty](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#createDynaProperty-java.sql.ResultSetMetaData-int-)([ResultSetMetaData](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSetMetaData.html?is-external=true) metadata, int i) Factory method to create a new DynaProperty for the given index into the result set metadata. |
| * + protected [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) | * + [getColumnName](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#getColumnName-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Get the table column name for the specified property name. |
| * + [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)[] | * + [getDynaProperties](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#getDynaProperties--)() Return an array of ProperyDescriptors for the properties currently defined in this DynaClass. |
| * + [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) | * + [getDynaProperty](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#getDynaProperty-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Return a property descriptor for the specified property, if it exists; otherwise, return null. |
| * + [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) | * + [getName](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#getName--)() Return the name of this DynaClass (analogous to the getName() method of java.lang.ClassDynaClass implementation class to support different dynamic classes, with different sets of properties. |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [getObject](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#getObject-java.sql.ResultSet-java.lang.String-)([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Get a column value from a [ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) for the specified name. |
| * + [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)> | * + [getRows](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#getRows--)() Return a List containing the [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s that represent the contents of each Row from the ResultSet that was the basis of this [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) instance. |
| * + protected void | * + [introspect](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#introspect-java.sql.ResultSet-)([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet) Introspect the metadata associated with our result set, and populate the properties and propertiesMap instance variables. |
| * + protected [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> | * + [loadClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#loadClass-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) className) Loads and returns the Class of the given name. |
| * + [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) | * + [newInstance](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#newInstance--)() Instantiate and return a new DynaBean instance, associated with this DynaClass. |
| * + void | * + [setUseColumnLabel](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html#setUseColumnLabel-boolean-)(boolean useColumnLabel) Set whether the column label or name should be used for the property name. |

### Methods inherited from class java.lang.[**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[clone](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#clone--), [equals](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#equals-java.lang.Object-), [finalize](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#finalize--), [getClass](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#getClass--), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#hashCode--), [notify](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notify--), [notifyAll](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notifyAll--), [toString](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#toString--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-int-)

### Methods inherited from interface org.apache.commons.beanutils.[**DynaClass**](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html)[getDynaProperties](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#getDynaProperties--), [getDynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#getDynaProperty-java.lang.String-), [getName](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#getName--), [newInstance](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#newInstance--)

### Field Detail

#### limit protected int limit Limits the size of the returned list. The call to getRows() will return at most limit number of rows. If less than or equal to 0, does not limit the size of the result.

#### rows protected [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)> rows The list of [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s representing the contents of the original ResultSet on which this [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) was based.

#### lowerCase protected boolean lowerCase Flag defining whether column names should be lower cased when converted to property names.

#### properties protected [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)[] properties The set of dynamic properties that are part of this [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html).

#### propertiesMap protected [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)> propertiesMap The set of dynamic properties that are part of this [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html), keyed by the property name. Individual descriptor instances will be the same instances as those in the properties list.

### Constructor Detail

#### RowSetDynaClass public RowSetDynaClass([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet) throws [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) Construct a new [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) for the specified ResultSet. The property names corresponding to column names in the result set will be lower cased.Parameters: resultSet - The result set to be wrapped Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if resultSet is null [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) - if the metadata for this result set cannot be introspected

#### RowSetDynaClass public RowSetDynaClass([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet, int limit) throws [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) Construct a new [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) for the specified ResultSet. The property names corresponding to column names in the result set will be lower cased.If limit is not less than 0, max limit number of rows will be copied into the list.Parameters: resultSet - The result set to be wrapped limit - The maximum for the size of the result. Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if resultSet is null [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) - if the metadata for this result set cannot be introspected

#### RowSetDynaClass public RowSetDynaClass([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet, boolean lowerCase) throws [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) Construct a new [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) for the specified ResultSet. The property names corresponding to the column names in the result set will be lower cased or not, depending on the specified lowerCase value.If limit is not less than 0, max limit number of rows will be copied into the resultset.Parameters: resultSet - The result set to be wrapped lowerCase - Should property names be lower cased? Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if resultSet is null [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) - if the metadata for this result set cannot be introspected

#### RowSetDynaClass public RowSetDynaClass([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet, boolean lowerCase, int limit) throws [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) Construct a new [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) for the specified ResultSet. The property names corresponding to the column names in the result set will be lower cased or not, depending on the specified lowerCase value. **WARNING** - If you specify false for lowerCase, the returned property names will exactly match the column names returned by your JDBC driver. Because different drivers might return column names in different cases, the property names seen by your application will vary depending on which JDBC driver you are using.Parameters: resultSet - The result set to be wrapped lowerCase - Should property names be lower cased? limit - Maximum limit for the List of [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if resultSet is null [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) - if the metadata for this result set cannot be introspected

#### RowSetDynaClass public RowSetDynaClass([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet, boolean lowerCase, boolean useColumnLabel) throws [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) Construct a new [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) for the specified ResultSet. The property names corresponding to the column names in the result set will be lower cased or not, depending on the specified lowerCase value. **WARNING** - If you specify false for lowerCase, the returned property names will exactly match the column names returned by your JDBC driver. Because different drivers might return column names in different cases, the property names seen by your application will vary depending on which JDBC driver you are using.Parameters: resultSet - The result set to be wrapped lowerCase - Should property names be lower cased? useColumnLabel - true if the column label should be used, otherwise false Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if resultSet is null [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) - if the metadata for this result set cannot be introspected Since: 1.8.3

#### RowSetDynaClass public RowSetDynaClass([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet, boolean lowerCase, int limit, boolean useColumnLabel) throws [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) Construct a new [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) for the specified ResultSet. The property names corresponding to the column names in the result set will be lower cased or not, depending on the specified lowerCase value. **WARNING** - If you specify false for lowerCase, the returned property names will exactly match the column names returned by your JDBC driver. Because different drivers might return column names in different cases, the property names seen by your application will vary depending on which JDBC driver you are using.Parameters: resultSet - The result set to be wrapped lowerCase - Should property names be lower cased? limit - Maximum limit for the List of [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) useColumnLabel - true if the column label should be used, otherwise false Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if resultSet is null [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) - if the metadata for this result set cannot be introspected Since: 1.8.3

### Method Detail

#### getRows public [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)> getRows() Return a List containing the [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s that represent the contents of each Row from the ResultSet that was the basis of this [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) instance. These [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s are disconnected from the database itself, so there is no problem with modifying the contents of the list, or the values of the properties of these [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s. However, it is the application's responsibility to persist any such changes back to the database, if it so desires.Returns: A List of [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) instances

#### copy protected void copy([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet) throws [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) Copy the column values for each row in the specified ResultSet into a newly created [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html), and add this bean to the list of [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s that will later by returned by a call to getRows().Parameters: resultSet - The ResultSet whose data is to be copied Throws: [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) - if an error is encountered copying the data

#### createDynaBean protected [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) createDynaBean() Create and return a new [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) instance to be used for representing a row in the underlying result set.Returns: A new DynaBean instance

#### getName public [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) getName() Return the name of this DynaClass (analogous to the getName() method of java.lang.ClassDynaClass implementation class to support different dynamic classes, with different sets of properties.Specified by: [getName](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#getName--) in interface [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) Returns: the name of the DynaClass

#### getDynaProperty public [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) getDynaProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Return a property descriptor for the specified property, if it exists; otherwise, return null.Specified by: [getDynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#getDynaProperty-java.lang.String-) in interface [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) Parameters: name - Name of the dynamic property for which a descriptor is requested Returns: The descriptor for the specified property Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if no property name is specified

#### getDynaProperties public [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)[] getDynaProperties() Return an array of ProperyDescriptors for the properties currently defined in this DynaClass. If no properties are defined, a zero-length array will be returned.Specified by: [getDynaProperties](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#getDynaProperties--) in interface [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) Returns: the set of properties for this DynaClass

#### newInstance public [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) newInstance() throws [IllegalAccessException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalAccessException.html?is-external=true), [InstantiationException](https://docs.oracle.com/javase/7/docs/api/java/lang/InstantiationException.html?is-external=true) Instantiate and return a new DynaBean instance, associated with this DynaClass. **NOTE** - This operation is not supported, and throws an exception.Specified by: [newInstance](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#newInstance--) in interface [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) Returns: A new DynaBean instance Throws: [IllegalAccessException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalAccessException.html?is-external=true) - if the Class or the appropriate constructor is not accessible [InstantiationException](https://docs.oracle.com/javase/7/docs/api/java/lang/InstantiationException.html?is-external=true) - if this Class represents an abstract class, an array class, a primitive type, or void; or if instantiation fails for some other reason

#### setUseColumnLabel public void setUseColumnLabel(boolean useColumnLabel) Set whether the column label or name should be used for the property name.Parameters: useColumnLabel - true if the column label should be used, otherwise false

#### loadClass protected [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> loadClass([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) className) throws [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) Loads and returns the Class of the given name. By default, a load from the thread context class loader is attempted. If there is no such class loader, the class loader used to load this class will be utilized.Parameters: className - The name of the class to load Returns: The loaded class Throws: [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) - if an exception was thrown trying to load the specified class

#### createDynaProperty protected [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) createDynaProperty([ResultSetMetaData](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSetMetaData.html?is-external=true) metadata, int i) throws [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) Factory method to create a new DynaProperty for the given index into the result set metadata.Parameters: metadata - is the result set metadata i - is the column index in the metadata Returns: the newly created DynaProperty instance Throws: [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) - If an error occurs accessing the SQL metadata

#### introspect protected void introspect([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet) throws [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) Introspect the metadata associated with our result set, and populate the properties and propertiesMap instance variables.Parameters: resultSet - The resultSet whose metadata is to be introspected Throws: [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) - if an error is encountered processing the result set metadata

#### getObject protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) getObject([ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) throws [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) Get a column value from a [ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) for the specified name.Parameters: resultSet - The result set name - The property name Returns: The value Throws: [SQLException](https://docs.oracle.com/javase/7/docs/api/java/sql/SQLException.html?is-external=true) - if an error occurs

#### getColumnName protected [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) getColumnName([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Get the table column name for the specified property name.Parameters: name - The property name Returns: The column name (which can be different if the *lowerCase* option is used).

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