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| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | [**Package**](http://docs.google.com/rain/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/VideoDAO.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | | |  |
| [**PREV CLASS**](http://docs.google.com/rain/VideoCatalogServlet.html)   [**NEXT CLASS**](http://docs.google.com/rain/VideoDetailsServlet.html) | [**FRAMES**](http://docs.google.com/index.html?rain/VideoDAO.html)    [**NO FRAMES**](http://docs.google.com/VideoDAO.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#3rdcrjn) |

## **rain**

Class VideoDAO

[java.lang.Object](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html)  
 [rain.DAO](http://docs.google.com/rain/DAO.html)  
 **rain.VideoDAO**

public class **VideoDAO**extends [DAO](http://docs.google.com/rain/DAO.html)

This class provides a data access mechanism for the video recordings database. Methods are available to get a list of video recordings.

Usage Example:

// create the data accessor  
 VideoDAO myVideoDAO = new VideoDAO(theDataSource);  
  
 ...  
  
 // get a list of "Comedy" video recordings  
 List<VideoRecording> videoList = myVideoDAO.getVideoRecordings("Comedy");  
 ...  
  
 // get a list of "Comedy" video recordings sorted by price (ascending)  
 List<VideoRecording> videoList = myVideoDAO.getVideoRecordings("Comedy", VideoDAO.SORT\_BY\_PRICE);  
 ...

**Author:** 570 Development Team

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| **Field Summary** | |

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| **Fields inherited from class rain.**[**DAO**](http://docs.google.com/rain/DAO.html) |
| [dataSource](http://docs.google.com/rain/DAO.html#dataSource), [logger](http://docs.google.com/rain/DAO.html#logger), [SORT\_BY\_PRICE](http://docs.google.com/rain/DAO.html#SORT_BY_PRICE), [SORT\_BY\_STOCK\_COUNT](http://docs.google.com/rain/DAO.html#SORT_BY_STOCK_COUNT), [SORT\_BY\_TITLE](http://docs.google.com/rain/DAO.html#SORT_BY_TITLE) |

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| **Constructor Summary** | |
| [**VideoDAO**](http://docs.google.com/rain/VideoDAO.html#VideoDAO(javax.sql.DataSource))([DataSource](http://docs.google.com/docs/jdk_docs/api/javax/sql/DataSource.html) theDataSource)            Constructs the data accessor with the given data source |

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| **Method Summary** | |
| int | [**addVideoRecording**](http://docs.google.com/rain/VideoDAO.html#addVideoRecording(java.lang.String,%20java.lang.String,%20double))([String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) title, [String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) category, double price)            Simple method to add a video recording |
| int | [**addVideoRecording**](http://docs.google.com/rain/VideoDAO.html#addVideoRecording(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20int,%20java.lang.String,%20int,%20double,%20int))([String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) director, [String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) title, [String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) category, [String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) imageName, int durationMinutes, [String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) rating, int yearReleased, double price, int stockCount)            Add a video recording. |
| [List](http://docs.google.com/docs/jdk_docs/api/java/util/List.html)<[String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html)> | [**getVideoCategories**](http://docs.google.com/rain/VideoDAO.html#getVideoCategories())()            Get a list of video categories from the database |
| [VideoRecording](http://docs.google.com/rain/VideoRecording.html) | [**getVideoRecording**](http://docs.google.com/rain/VideoDAO.html#getVideoRecording(int))(int recordingId)            Returns a video recording based on the id |
| [VideoRecording](http://docs.google.com/rain/VideoRecording.html) | [**getVideoRecording**](http://docs.google.com/rain/VideoDAO.html#getVideoRecording(java.lang.String))([String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) recordingId)            Returns a video recording based on the id |
| [List](http://docs.google.com/docs/jdk_docs/api/java/util/List.html)<[VideoRecording](http://docs.google.com/rain/VideoRecording.html)> | [**getVideoRecordings**](http://docs.google.com/rain/VideoDAO.html#getVideoRecordings(java.lang.String))([String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) theCategory)            Get a sorted list of video recordings from the database for the given category. |
| [List](http://docs.google.com/docs/jdk_docs/api/java/util/List.html)<[VideoRecording](http://docs.google.com/rain/VideoRecording.html)> | [**getVideoRecordings**](http://docs.google.com/rain/VideoDAO.html#getVideoRecordings(java.lang.String,%20int))([String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) theCategory, int sortBy)            Get a sorted list of video recordings from the database for the given category. |

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| **Methods inherited from class rain.**[**DAO**](http://docs.google.com/rain/DAO.html) |
| [cleanup](http://docs.google.com/rain/DAO.html#cleanup(java.sql.ResultSet,%20java.sql.Statement,%20java.sql.Connection)), [log](http://docs.google.com/rain/DAO.html#log(java.lang.Object)), [logError](http://docs.google.com/rain/DAO.html#logError(java.lang.Object,%20java.lang.Throwable)), [logError](http://docs.google.com/rain/DAO.html#logError(java.lang.Throwable)), [setDataSource](http://docs.google.com/rain/DAO.html#setDataSource(javax.sql.DataSource)) |

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| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html) |
| [clone](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#clone()), [equals](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#toString()), [wait](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#wait()), [wait](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#wait(long,%20int)) |

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| **Constructor Detail** |

### VideoDAO

public **VideoDAO**([DataSource](http://docs.google.com/docs/jdk_docs/api/javax/sql/DataSource.html) theDataSource)

Constructs the data accessor with the given data source

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| **Method Detail** |

### getVideoCategories

public [List](http://docs.google.com/docs/jdk_docs/api/java/util/List.html)<[String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html)> **getVideoCategories**()  
 throws [DAOException](http://docs.google.com/rain/DAOException.html)

Get a list of video categories from the database

**Returns:**a list of video categories **Throws:** [DAOException](http://docs.google.com/rain/DAOException.html) - error accessing the data source

### getVideoRecordings

public [List](http://docs.google.com/docs/jdk_docs/api/java/util/List.html)<[VideoRecording](http://docs.google.com/rain/VideoRecording.html)> **getVideoRecordings**([String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) theCategory)  
 throws [DAOException](http://docs.google.com/rain/DAOException.html)

Get a sorted list of video recordings from the database for the given category.

The list is sorted by title.

**Parameters:**theCategory - the category **Returns:**a list of VideoRecording objects **Throws:** [DAOException](http://docs.google.com/rain/DAOException.html) - error accessing the data source**See Also:**[getVideoRecordings(String theCategory, int sortBy)](http://docs.google.com/rain/VideoDAO.html#getVideoRecordings(java.lang.String,%20int))

### getVideoRecordings

public [List](http://docs.google.com/docs/jdk_docs/api/java/util/List.html)<[VideoRecording](http://docs.google.com/rain/VideoRecording.html)> **getVideoRecordings**([String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) theCategory,  
 int sortBy)  
 throws [DAOException](http://docs.google.com/rain/DAOException.html)

Get a sorted list of video recordings from the database for the given category.

The sort order is ascending.

**Parameters:**theCategory - the category namesortBy - the key to sort by **Returns:**a list of sorted VideoRecording objects **Throws:** [DAOException](http://docs.google.com/rain/DAOException.html) - error accessing the data source**See Also:**[DAO.SORT\_BY\_TITLE](http://docs.google.com/rain/DAO.html#SORT_BY_TITLE), [DAO.SORT\_BY\_PRICE](http://docs.google.com/rain/DAO.html#SORT_BY_PRICE), [DAO.SORT\_BY\_STOCK\_COUNT](http://docs.google.com/rain/DAO.html#SORT_BY_STOCK_COUNT)

### getVideoRecording

public [VideoRecording](http://docs.google.com/rain/VideoRecording.html) **getVideoRecording**([String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) recordingId)  
 throws [DAOException](http://docs.google.com/rain/DAOException.html)

Returns a video recording based on the id

**Parameters:**recordingId - the recording id **Returns:**a VideoRecording object for the given recording id **Throws:** [DAOException](http://docs.google.com/rain/DAOException.html) - error accessing the data source**See Also:**[getVideoRecording(java.lang.String)](http://docs.google.com/rain/VideoDAO.html#getVideoRecording(java.lang.String))

### getVideoRecording

public [VideoRecording](http://docs.google.com/rain/VideoRecording.html) **getVideoRecording**(int recordingId)  
 throws [DAOException](http://docs.google.com/rain/DAOException.html)

Returns a video recording based on the id

**Throws:** [DAOException](http://docs.google.com/rain/DAOException.html) - error accessing the data source

### addVideoRecording

public int **addVideoRecording**([String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) title,  
 [String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) category,  
 double price)  
 throws [DAOException](http://docs.google.com/rain/DAOException.html)

Simple method to add a video recording

**Returns:**the recording id of new video **Throws:** [DAOException](http://docs.google.com/rain/DAOException.html)

### addVideoRecording

public int **addVideoRecording**([String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) director,  
 [String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) title,  
 [String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) category,  
 [String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) imageName,  
 int durationMinutes,  
 [String](http://docs.google.com/docs/jdk_docs/api/java/lang/String.html) rating,  
 int yearReleased,  
 double price,  
 int stockCount)  
 throws [DAOException](http://docs.google.com/rain/DAOException.html)

Add a video recording.

**Returns:**the recording id of new video **Throws:** [DAOException](http://docs.google.com/rain/DAOException.html)

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| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | [**Package**](http://docs.google.com/rain/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/VideoDAO.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | | |  |
| [**PREV CLASS**](http://docs.google.com/rain/VideoCatalogServlet.html)   [**NEXT CLASS**](http://docs.google.com/rain/VideoDetailsServlet.html) | [**FRAMES**](http://docs.google.com/index.html?rain/VideoDAO.html)    [**NO FRAMES**](http://docs.google.com/VideoDAO.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#3rdcrjn) |