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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | [**Package**](http://docs.google.com/rain/package-summary.html) | Class | Use | [**Tree**](http://docs.google.com/overview-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | **Index** | | | *Java Servlets & JSP: Course 570* |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?index-all.html)    [**NO FRAMES**](http://docs.google.com/index-all.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[A](#3znysh7) [B](#2et92p0) [C](#tyjcwt) [D](#3dy6vkm) [E](#1t3h5sf) [G](#4d34og8) [H](#2s8eyo1) [I](#17dp8vu) [L](#3rdcrjn) [M](#26in1rg) [P](#lnxbz9) [R](#35nkun2) [S](#1ksv4uv) [T](#44sinio) [V](#2jxsxqh)

## **A**

[**add(Duration)**](http://docs.google.com/rain/Duration.html#add(rain.Duration)) - Method in class rain.[Duration](http://docs.google.com/rain/Duration.html) Returns a new duration object that is the sum of the supplied Duration object and current object [**add(Product)**](http://docs.google.com/rain/ShoppingCart.html#add(rain.Product)) - Method in class rain.[ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) Add to the shopping cart. [**add(ShoppingCartItem)**](http://docs.google.com/rain/ShoppingCart.html#add(rain.ShoppingCartItem)) - Method in class rain.[ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) Add to the shopping cart. [**addVideoRecording(String, String, double)**](http://docs.google.com/rain/VideoDAO.html#addVideoRecording(java.lang.String,%20java.lang.String,%20double)) - Method in class rain.[VideoDAO](http://docs.google.com/rain/VideoDAO.html) Simple method to add a video recording [**addVideoRecording(String, String, String, String, int, String, int, double, int)**](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)) - Method in class rain.[VideoDAO](http://docs.google.com/rain/VideoDAO.html) Add a video recording.

## **B**

[**buildHtmlTable(List<VideoRecording>, PrintWriter, String, HttpServletResponse, String)**](http://docs.google.com/rain/VideoCatalogServlet.html#buildHtmlTable(java.util.List,%20java.io.PrintWriter,%20java.lang.String,%20javax.servlet.http.HttpServletResponse,%20java.lang.String)) - Method in class rain.[VideoCatalogServlet](http://docs.google.com/rain/VideoCatalogServlet.html)   [**buildRow(String, String)**](http://docs.google.com/rain/VideoDetailsServlet.html#buildRow(java.lang.String,%20java.lang.String)) - Method in class rain.[VideoDetailsServlet](http://docs.google.com/rain/VideoDetailsServlet.html) Helper method to format the label and value as a table row.

## **C**

[**cleanup(ResultSet, Statement, Connection)**](http://docs.google.com/rain/DAO.html#cleanup(java.sql.ResultSet,%20java.sql.Statement,%20java.sql.Connection)) - Method in class rain.[DAO](http://docs.google.com/rain/DAO.html) Utility method to clean up database resources. [**clear()**](http://docs.google.com/rain/ShoppingCart.html#clear()) - Method in class rain.[ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) Clears out the cart [**compareTo(Object)**](http://docs.google.com/rain/MusicRecording.html#compareTo(java.lang.Object)) - Method in class rain.[MusicRecording](http://docs.google.com/rain/MusicRecording.html) Allow us to sort the recordings by artist name [**compareTo(Object)**](http://docs.google.com/rain/Recording.html#compareTo(java.lang.Object)) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Allow us to sort the recordings by title [**Constants**](http://docs.google.com/rain/Constants.html) - Interface in [rain](http://docs.google.com/rain/package-summary.html)Collection of constants for the RainForest application[**contextDestroyed(ServletContextEvent)**](http://docs.google.com/rain/RainAppListener.html#contextDestroyed(javax.servlet.ServletContextEvent)) - Method in class rain.[RainAppListener](http://docs.google.com/rain/RainAppListener.html)   [**contextInitialized(ServletContextEvent)**](http://docs.google.com/rain/RainAppListener.html#contextInitialized(javax.servlet.ServletContextEvent)) - Method in class rain.[RainAppListener](http://docs.google.com/rain/RainAppListener.html)  

## **D**

[**DAO**](http://docs.google.com/rain/DAO.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)DAO: Base class for the data accessors[**DAO(DataSource)**](http://docs.google.com/rain/DAO.html#DAO(javax.sql.DataSource)) - Constructor for class rain.[DAO](http://docs.google.com/rain/DAO.html) Construct the DAO based on data source [**DAOException**](http://docs.google.com/rain/DAOException.html) - Exception in [rain](http://docs.google.com/rain/package-summary.html)Exception for the rainforest data access objects (DAO)[**DAOException()**](http://docs.google.com/rain/DAOException.html#DAOException()) - Constructor for exception rain.[DAOException](http://docs.google.com/rain/DAOException.html) Constructs an exception with null as the error message. [**DAOException(String)**](http://docs.google.com/rain/DAOException.html#DAOException(java.lang.String)) - Constructor for exception rain.[DAOException](http://docs.google.com/rain/DAOException.html) Constructs an exception with the specified detail message. [**DAOException(String, Throwable)**](http://docs.google.com/rain/DAOException.html#DAOException(java.lang.String,%20java.lang.Throwable)) - Constructor for exception rain.[DAOException](http://docs.google.com/rain/DAOException.html) Constructs a new throwable with the specified detail message and cause. [**DAOException(Throwable)**](http://docs.google.com/rain/DAOException.html#DAOException(java.lang.Throwable)) - Constructor for exception rain.[DAOException](http://docs.google.com/rain/DAOException.html) Constructs a new throwable with the specified cause and a detail message. [**DATA\_SOURCE\_NAME**](http://docs.google.com/rain/Constants.html#DATA_SOURCE_NAME) - Static variable in interface rain.[Constants](http://docs.google.com/rain/Constants.html) Alias for the data source name [**dataSource**](http://docs.google.com/rain/DAO.html#dataSource) - Variable in class rain.[DAO](http://docs.google.com/rain/DAO.html) Reference to the data source [**decrementQuantity()**](http://docs.google.com/rain/ShoppingCartItem.html#decrementQuantity()) - Method in class rain.[ShoppingCartItem](http://docs.google.com/rain/ShoppingCartItem.html) Decrements the quantity for this product [**displayTotals(ShoppingCart, PrintWriter)**](http://docs.google.com/rain/ShoppingCartServlet.html#displayTotals(rain.ShoppingCart,%20java.io.PrintWriter)) - Method in class rain.[ShoppingCartServlet](http://docs.google.com/rain/ShoppingCartServlet.html)   [**doGet(HttpServletRequest, HttpServletResponse)**](http://docs.google.com/rain/GiveAwayServlet.html#doGet(javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse)) - Method in class rain.[GiveAwayServlet](http://docs.google.com/rain/GiveAwayServlet.html)   [**doGet(HttpServletRequest, HttpServletResponse)**](http://docs.google.com/rain/MusicCatalogServlet.html#doGet(javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse)) - Method in class rain.[MusicCatalogServlet](http://docs.google.com/rain/MusicCatalogServlet.html) This method reads the form parameters and calls methods to display a list of recordings matching the search. [**doGet(HttpServletRequest, HttpServletResponse)**](http://docs.google.com/rain/ShoppingCartServlet.html#doGet(javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse)) - Method in class rain.[ShoppingCartServlet](http://docs.google.com/rain/ShoppingCartServlet.html) Handles requests for the shopping cart. [**doGet(HttpServletRequest, HttpServletResponse)**](http://docs.google.com/rain/VideoCatalogServlet.html#doGet(javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse)) - Method in class rain.[VideoCatalogServlet](http://docs.google.com/rain/VideoCatalogServlet.html) This method reads the form parameter and displays a list of recordings matching the search. [**doGet(HttpServletRequest, HttpServletResponse)**](http://docs.google.com/rain/VideoDetailsServlet.html#doGet(javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse)) - Method in class rain.[VideoDetailsServlet](http://docs.google.com/rain/VideoDetailsServlet.html) Reads the "id" parameter and displays the recording details. [**doPost(HttpServletRequest, HttpServletResponse)**](http://docs.google.com/rain/GiveAwayServlet.html#doPost(javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse)) - Method in class rain.[GiveAwayServlet](http://docs.google.com/rain/GiveAwayServlet.html)   [**doPost(HttpServletRequest, HttpServletResponse)**](http://docs.google.com/rain/MusicCatalogServlet.html#doPost(javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse)) - Method in class rain.[MusicCatalogServlet](http://docs.google.com/rain/MusicCatalogServlet.html) Forwards requests to the doGet(...) method [**doPost(HttpServletRequest, HttpServletResponse)**](http://docs.google.com/rain/ShoppingCartServlet.html#doPost(javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse)) - Method in class rain.[ShoppingCartServlet](http://docs.google.com/rain/ShoppingCartServlet.html) Forwards the request to doGet... [**doPost(HttpServletRequest, HttpServletResponse)**](http://docs.google.com/rain/VideoCatalogServlet.html#doPost(javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse)) - Method in class rain.[VideoCatalogServlet](http://docs.google.com/rain/VideoCatalogServlet.html) Forwards requests to the doGet(...) method [**doPost(HttpServletRequest, HttpServletResponse)**](http://docs.google.com/rain/VideoDetailsServlet.html#doPost(javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse)) - Method in class rain.[VideoDetailsServlet](http://docs.google.com/rain/VideoDetailsServlet.html) Forwards to doGet() [**Duration**](http://docs.google.com/rain/Duration.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This class describes a duration of time.[**Duration()**](http://docs.google.com/rain/Duration.html#Duration()) - Constructor for class rain.[Duration](http://docs.google.com/rain/Duration.html) Creates a Duration object with 0 hours, minutes and seconds. [**Duration(int, int, int)**](http://docs.google.com/rain/Duration.html#Duration(int,%20int,%20int)) - Constructor for class rain.[Duration](http://docs.google.com/rain/Duration.html) Creates a Duration object with given parameter values [**Duration(int)**](http://docs.google.com/rain/Duration.html#Duration(int)) - Constructor for class rain.[Duration](http://docs.google.com/rain/Duration.html) Creates a Duration object with given parameter values [**duration**](http://docs.google.com/rain/Track.html#duration) - Variable in class rain.[Track](http://docs.google.com/rain/Track.html) The track duration

## **E**

[**EzMailer**](http://docs.google.com/rain/EzMailer.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)E-mailer for sending messages to a SMTP mail server.[**EzMailer()**](http://docs.google.com/rain/EzMailer.html#EzMailer()) - Constructor for class rain.[EzMailer](http://docs.google.com/rain/EzMailer.html)  

## **G**

[**getActors()**](http://docs.google.com/rain/VideoRecording.html#getActors()) - Method in class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Returns the list of actors [**getArtist()**](http://docs.google.com/rain/MusicRecording.html#getArtist()) - Method in class rain.[MusicRecording](http://docs.google.com/rain/MusicRecording.html) Returns the artist name [**getCategory()**](http://docs.google.com/rain/Recording.html#getCategory()) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Returns the recording category [**getDirector()**](http://docs.google.com/rain/VideoRecording.html#getDirector()) - Method in class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Returns the director's name [**getDuration()**](http://docs.google.com/rain/MusicRecording.html#getDuration()) - Method in class rain.[MusicRecording](http://docs.google.com/rain/MusicRecording.html) Returns the recording duration. [**getDuration()**](http://docs.google.com/rain/Recording.html#getDuration()) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Returns the recording duration. [**getDuration()**](http://docs.google.com/rain/Track.html#getDuration()) - Method in class rain.[Track](http://docs.google.com/rain/Track.html) Returns the duration of the track [**getDuration()**](http://docs.google.com/rain/VideoRecording.html#getDuration()) - Method in class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Returns the duration of the video recording [**getHours()**](http://docs.google.com/rain/Duration.html#getHours()) - Method in class rain.[Duration](http://docs.google.com/rain/Duration.html) Returns the hours portion of the duration [**getId()**](http://docs.google.com/rain/Product.html#getId()) - Method in class rain.[Product](http://docs.google.com/rain/Product.html) Returns the product id [**getId()**](http://docs.google.com/rain/Recording.html#getId()) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Returns the recording id. [**getImageName()**](http://docs.google.com/rain/Recording.html#getImageName()) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Returns the recording image name [**getItems()**](http://docs.google.com/rain/ShoppingCart.html#getItems()) - Method in class rain.[ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) Returns an collection of ShoppingCartItems [**getMinutes()**](http://docs.google.com/rain/Duration.html#getMinutes()) - Method in class rain.[Duration](http://docs.google.com/rain/Duration.html) Returns the minutes portion of the duration [**getMusicCategories()**](http://docs.google.com/rain/MusicDAO.html#getMusicCategories()) - Method in class rain.[MusicDAO](http://docs.google.com/rain/MusicDAO.html) Get a list of music categories from the database [**getMusicRecording(String)**](http://docs.google.com/rain/MusicDAO.html#getMusicRecording(java.lang.String)) - Method in class rain.[MusicDAO](http://docs.google.com/rain/MusicDAO.html) Returns a music recording based on the id [**getMusicRecording(int)**](http://docs.google.com/rain/MusicDAO.html#getMusicRecording(int)) - Method in class rain.[MusicDAO](http://docs.google.com/rain/MusicDAO.html) Returns a music recording based on the id [**getMusicRecordings(String)**](http://docs.google.com/rain/MusicDAO.html#getMusicRecordings(java.lang.String)) - Method in class rain.[MusicDAO](http://docs.google.com/rain/MusicDAO.html) Get a list of video recordings from the database for the given category. [**getMusicRecordings(String, int)**](http://docs.google.com/rain/MusicDAO.html#getMusicRecordings(java.lang.String,%20int)) - Method in class rain.[MusicDAO](http://docs.google.com/rain/MusicDAO.html) Get a list of music recordings from the database for the given category The sort order is ascending. [**getName()**](http://docs.google.com/rain/Product.html#getName()) - Method in class rain.[Product](http://docs.google.com/rain/Product.html) Returns the product name [**getName()**](http://docs.google.com/rain/Recording.html#getName()) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Returns the name of the product [**getNumberOfProducts()**](http://docs.google.com/rain/ShoppingCart.html#getNumberOfProducts()) - Method in class rain.[ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) Returns the number of products in the shopping cart [**getPrice()**](http://docs.google.com/rain/Product.html#getPrice()) - Method in class rain.[Product](http://docs.google.com/rain/Product.html) Returns the product price [**getPrice()**](http://docs.google.com/rain/Recording.html#getPrice()) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Returns the recording price [**getProduct()**](http://docs.google.com/rain/ShoppingCartItem.html#getProduct()) - Method in class rain.[ShoppingCartItem](http://docs.google.com/rain/ShoppingCartItem.html) Simply returns the product [**getQuantity()**](http://docs.google.com/rain/ShoppingCartItem.html#getQuantity()) - Method in class rain.[ShoppingCartItem](http://docs.google.com/rain/ShoppingCartItem.html) Returns the quantity for this product [**getRating()**](http://docs.google.com/rain/VideoRecording.html#getRating()) - Method in class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Returns the rating [**getSeconds()**](http://docs.google.com/rain/Duration.html#getSeconds()) - Method in class rain.[Duration](http://docs.google.com/rain/Duration.html) Returns the seconds portion of the duration. [**getServletInfo()**](http://docs.google.com/rain/VideoDetailsServlet.html#getServletInfo()) - Method in class rain.[VideoDetailsServlet](http://docs.google.com/rain/VideoDetailsServlet.html)   [**getStockCount()**](http://docs.google.com/rain/Product.html#getStockCount()) - Method in class rain.[Product](http://docs.google.com/rain/Product.html) Returns the current stock count [**getStockCount()**](http://docs.google.com/rain/Recording.html#getStockCount()) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Returns the stock count - quantity on hand [**getTitle()**](http://docs.google.com/rain/Recording.html#getTitle()) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Returns the recording title [**getTitle()**](http://docs.google.com/rain/Track.html#getTitle()) - Method in class rain.[Track](http://docs.google.com/rain/Track.html) Returns the title of the track [**getTotalPrice()**](http://docs.google.com/rain/ShoppingCart.html#getTotalPrice()) - Method in class rain.[ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) Returns the total price of all products in the shopping cart [**getTotalSeconds()**](http://docs.google.com/rain/Duration.html#getTotalSeconds()) - Method in class rain.[Duration](http://docs.google.com/rain/Duration.html) Returns the total seconds [**getTrackList()**](http://docs.google.com/rain/MusicRecording.html#getTrackList()) - Method in class rain.[MusicRecording](http://docs.google.com/rain/MusicRecording.html) Returns the track list [**getVideoCategories()**](http://docs.google.com/rain/VideoDAO.html#getVideoCategories()) - Method in class rain.[VideoDAO](http://docs.google.com/rain/VideoDAO.html) Get a list of video categories from the database [**getVideoRecording(String)**](http://docs.google.com/rain/VideoDAO.html#getVideoRecording(java.lang.String)) - Method in class rain.[VideoDAO](http://docs.google.com/rain/VideoDAO.html) Returns a video recording based on the id [**getVideoRecording(int)**](http://docs.google.com/rain/VideoDAO.html#getVideoRecording(int)) - Method in class rain.[VideoDAO](http://docs.google.com/rain/VideoDAO.html) Returns a video recording based on the id [**getVideoRecordings(String)**](http://docs.google.com/rain/VideoDAO.html#getVideoRecordings(java.lang.String)) - Method in class rain.[VideoDAO](http://docs.google.com/rain/VideoDAO.html) Get a sorted list of video recordings from the database for the given category. [**getVideoRecordings(String, int)**](http://docs.google.com/rain/VideoDAO.html#getVideoRecordings(java.lang.String,%20int)) - Method in class rain.[VideoDAO](http://docs.google.com/rain/VideoDAO.html) Get a sorted list of video recordings from the database for the given category. [**getYearReleased()**](http://docs.google.com/rain/VideoRecording.html#getYearReleased()) - Method in class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Returns the year released [**GiveAwayServlet**](http://docs.google.com/rain/GiveAwayServlet.html) - Class in [rain](http://docs.google.com/rain/package-summary.html) [**GiveAwayServlet()**](http://docs.google.com/rain/GiveAwayServlet.html#GiveAwayServlet()) - Constructor for class rain.[GiveAwayServlet](http://docs.google.com/rain/GiveAwayServlet.html)  

## **H**

[**hours**](http://docs.google.com/rain/Duration.html#hours) - Variable in class rain.[Duration](http://docs.google.com/rain/Duration.html) The number of hours

## **I**

[**incrementQuantity()**](http://docs.google.com/rain/ShoppingCartItem.html#incrementQuantity()) - Method in class rain.[ShoppingCartItem](http://docs.google.com/rain/ShoppingCartItem.html) Increments the quantity for this product [**init()**](http://docs.google.com/rain/MusicCatalogServlet.html#init()) - Method in class rain.[MusicCatalogServlet](http://docs.google.com/rain/MusicCatalogServlet.html) Retrieves an instance of the MusicDAO [**init()**](http://docs.google.com/rain/ShoppingCartServlet.html#init()) - Method in class rain.[ShoppingCartServlet](http://docs.google.com/rain/ShoppingCartServlet.html) Retrieves an instance of the VideoDAO and MusicDAO [**init()**](http://docs.google.com/rain/VideoCatalogServlet.html#init()) - Method in class rain.[VideoCatalogServlet](http://docs.google.com/rain/VideoCatalogServlet.html)   [**init()**](http://docs.google.com/rain/VideoDetailsServlet.html#init()) - Method in class rain.[VideoDetailsServlet](http://docs.google.com/rain/VideoDetailsServlet.html)   [**isEmpty()**](http://docs.google.com/rain/ShoppingCart.html#isEmpty()) - Method in class rain.[ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) Returns true if number of products == 0, else false [**isInStock()**](http://docs.google.com/rain/Product.html#isInStock()) - Method in class rain.[Product](http://docs.google.com/rain/Product.html) Returns true if the product is in stock [**isInStock()**](http://docs.google.com/rain/Recording.html#isInStock()) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Returns true if the product is in stock

## **L**

[**log(Object)**](http://docs.google.com/rain/DAO.html#log(java.lang.Object)) - Method in class rain.[DAO](http://docs.google.com/rain/DAO.html) Log a message [**logError(Object, Throwable)**](http://docs.google.com/rain/DAO.html#logError(java.lang.Object,%20java.lang.Throwable)) - Method in class rain.[DAO](http://docs.google.com/rain/DAO.html) Log an error w/ the given message [**logError(Throwable)**](http://docs.google.com/rain/DAO.html#logError(java.lang.Throwable)) - Method in class rain.[DAO](http://docs.google.com/rain/DAO.html) Log an error [**logger**](http://docs.google.com/rain/DAO.html#logger) - Variable in class rain.[DAO](http://docs.google.com/rain/DAO.html) Reference to logger [**LTREE\_CART\_KEY**](http://docs.google.com/rain/Constants.html#LTREE_CART_KEY) - Static variable in interface rain.[Constants](http://docs.google.com/rain/Constants.html) Alias for the shopping cart

## **M**

[**minutes**](http://docs.google.com/rain/Duration.html#minutes) - Variable in class rain.[Duration](http://docs.google.com/rain/Duration.html) The number of minutes [**MUSIC\_DAO\_KEY**](http://docs.google.com/rain/Constants.html#MUSIC_DAO_KEY) - Static variable in interface rain.[Constants](http://docs.google.com/rain/Constants.html) Alias for the music data accessor [**MUSIC\_LIST\_KEY**](http://docs.google.com/rain/Constants.html#MUSIC_LIST_KEY) - Static variable in interface rain.[Constants](http://docs.google.com/rain/Constants.html) Alias for the music list [**MUSIC\_RECORDING\_KEY**](http://docs.google.com/rain/Constants.html#MUSIC_RECORDING_KEY) - Static variable in interface rain.[Constants](http://docs.google.com/rain/Constants.html) Alias for the music recording [**MusicCatalogServlet**](http://docs.google.com/rain/MusicCatalogServlet.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This servlet allows the user to browse the music catalog.[**MusicCatalogServlet()**](http://docs.google.com/rain/MusicCatalogServlet.html#MusicCatalogServlet()) - Constructor for class rain.[MusicCatalogServlet](http://docs.google.com/rain/MusicCatalogServlet.html)   [**MusicDAO**](http://docs.google.com/rain/MusicDAO.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This class provides a data access mechanism for the music database.[**MusicDAO(DataSource)**](http://docs.google.com/rain/MusicDAO.html#MusicDAO(javax.sql.DataSource)) - Constructor for class rain.[MusicDAO](http://docs.google.com/rain/MusicDAO.html) Constructs the data accessor with the given data source [**MusicRecording**](http://docs.google.com/rain/MusicRecording.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This class represents a music recording.[**MusicRecording()**](http://docs.google.com/rain/MusicRecording.html#MusicRecording()) - Constructor for class rain.[MusicRecording](http://docs.google.com/rain/MusicRecording.html) Default constructor [**MusicRecording(String, Track[], String, double, String, String)**](http://docs.google.com/rain/MusicRecording.html#MusicRecording(java.lang.String,%20rain.Track%5B%5D,%20java.lang.String,%20double,%20java.lang.String,%20java.lang.String)) - Constructor for class rain.[MusicRecording](http://docs.google.com/rain/MusicRecording.html) Creates a MusicRecording object with given parameter values [**MusicRecording(String, Track[], String, double, String, String, int)**](http://docs.google.com/rain/MusicRecording.html#MusicRecording(java.lang.String,%20rain.Track%5B%5D,%20java.lang.String,%20double,%20java.lang.String,%20java.lang.String,%20int)) - Constructor for class rain.[MusicRecording](http://docs.google.com/rain/MusicRecording.html) Creates a MusicRecording object with given parameter values [**MusicRecording(String, String, double, String, String, int)**](http://docs.google.com/rain/MusicRecording.html#MusicRecording(java.lang.String,%20java.lang.String,%20double,%20java.lang.String,%20java.lang.String,%20int)) - Constructor for class rain.[MusicRecording](http://docs.google.com/rain/MusicRecording.html) Creates a MusicRecording object with given parameter values [**MusicRecording(ResultSet)**](http://docs.google.com/rain/MusicRecording.html#MusicRecording(java.sql.ResultSet)) - Constructor for class rain.[MusicRecording](http://docs.google.com/rain/MusicRecording.html) Constructs an music recoding based on a result set row.

## **P**

[**Product**](http://docs.google.com/rain/Product.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This abstract class represents a basic Product.[**Product()**](http://docs.google.com/rain/Product.html#Product()) - Constructor for class rain.[Product](http://docs.google.com/rain/Product.html)  

## **R**

[**rain**](http://docs.google.com/rain/package-summary.html) - package rain [**RainAppListener**](http://docs.google.com/rain/RainAppListener.html) - Class in [rain](http://docs.google.com/rain/package-summary.html) [**RainAppListener()**](http://docs.google.com/rain/RainAppListener.html#RainAppListener()) - Constructor for class rain.[RainAppListener](http://docs.google.com/rain/RainAppListener.html)   [**Recording**](http://docs.google.com/rain/Recording.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This class represents a Recording.[**Recording()**](http://docs.google.com/rain/Recording.html#Recording()) - Constructor for class rain.[Recording](http://docs.google.com/rain/Recording.html) Basic default constructor [**Recording(String, double, String, String)**](http://docs.google.com/rain/Recording.html#Recording(java.lang.String,%20double,%20java.lang.String,%20java.lang.String)) - Constructor for class rain.[Recording](http://docs.google.com/rain/Recording.html) Constructs a recording w/ given parameter values [**Recording(String, double, String, String, int)**](http://docs.google.com/rain/Recording.html#Recording(java.lang.String,%20double,%20java.lang.String,%20java.lang.String,%20int)) - Constructor for class rain.[Recording](http://docs.google.com/rain/Recording.html) Constructs a recording w/ given parameter values [**Recording(String, double, String, String, int, int)**](http://docs.google.com/rain/Recording.html#Recording(java.lang.String,%20double,%20java.lang.String,%20java.lang.String,%20int,%20int)) - Constructor for class rain.[Recording](http://docs.google.com/rain/Recording.html) Constructs a recording w/ given parameter values [**remove(String)**](http://docs.google.com/rain/ShoppingCart.html#remove(java.lang.String)) - Method in class rain.[ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) Removes a product from the shopping cart.

## **S**

[**seconds**](http://docs.google.com/rain/Duration.html#seconds) - Variable in class rain.[Duration](http://docs.google.com/rain/Duration.html) The number of seconds [**sendMessage(String, String, String, String, String)**](http://docs.google.com/rain/EzMailer.html#sendMessage(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String)) - Static method in class rain.[EzMailer](http://docs.google.com/rain/EzMailer.html) Sends a simple text e-mail message. [**sendMessage(String, String, String[], String, String)**](http://docs.google.com/rain/EzMailer.html#sendMessage(java.lang.String,%20java.lang.String,%20java.lang.String%5B%5D,%20java.lang.String,%20java.lang.String)) - Static method in class rain.[EzMailer](http://docs.google.com/rain/EzMailer.html) Sends a simple text e-mail message to a list of recipients [**sendMessageAttach(String, String, String[], String, String, String[])**](http://docs.google.com/rain/EzMailer.html#sendMessageAttach(java.lang.String,%20java.lang.String,%20java.lang.String%5B%5D,%20java.lang.String,%20java.lang.String,%20java.lang.String%5B%5D)) - Static method in class rain.[EzMailer](http://docs.google.com/rain/EzMailer.html) Sends an e-mail message to a list of recipients with attachment(s) [**sendMessageAttach(String, String, String, String, String, String[])**](http://docs.google.com/rain/EzMailer.html#sendMessageAttach(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String%5B%5D)) - Static method in class rain.[EzMailer](http://docs.google.com/rain/EzMailer.html) Sends an e-mail message with attachment(s) [**sendMessageAttach(String, String, String, String, String, String)**](http://docs.google.com/rain/EzMailer.html#sendMessageAttach(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String)) - Static method in class rain.[EzMailer](http://docs.google.com/rain/EzMailer.html) Sends an e-mail message with an attachment [**sessionCreated(HttpSessionEvent)**](http://docs.google.com/rain/ShoppingCartSessionListener.html#sessionCreated(javax.servlet.http.HttpSessionEvent)) - Method in class rain.[ShoppingCartSessionListener](http://docs.google.com/rain/ShoppingCartSessionListener.html)   [**sessionDestroyed(HttpSessionEvent)**](http://docs.google.com/rain/ShoppingCartSessionListener.html#sessionDestroyed(javax.servlet.http.HttpSessionEvent)) - Method in class rain.[ShoppingCartSessionListener](http://docs.google.com/rain/ShoppingCartSessionListener.html)   [**setActors(String[])**](http://docs.google.com/rain/VideoRecording.html#setActors(java.lang.String%5B%5D)) - Method in class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Sets the list of actors [**setArtist(String)**](http://docs.google.com/rain/MusicRecording.html#setArtist(java.lang.String)) - Method in class rain.[MusicRecording](http://docs.google.com/rain/MusicRecording.html) Sets the artist name [**setCategory(String)**](http://docs.google.com/rain/Recording.html#setCategory(java.lang.String)) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Sets the recording category [**setDataSource(DataSource)**](http://docs.google.com/rain/DAO.html#setDataSource(javax.sql.DataSource)) - Method in class rain.[DAO](http://docs.google.com/rain/DAO.html) Set the data source [**setDirector(String)**](http://docs.google.com/rain/VideoRecording.html#setDirector(java.lang.String)) - Method in class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Sets the director [**setDuration(Duration)**](http://docs.google.com/rain/Track.html#setDuration(rain.Duration)) - Method in class rain.[Track](http://docs.google.com/rain/Track.html) Sets the duration of the track [**setDuration(Duration)**](http://docs.google.com/rain/VideoRecording.html#setDuration(rain.Duration)) - Method in class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Sets the duration [**setId(int)**](http://docs.google.com/rain/Product.html#setId(int)) - Method in class rain.[Product](http://docs.google.com/rain/Product.html) Sets the id [**setId(int)**](http://docs.google.com/rain/Recording.html#setId(int)) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Sets the recording id [**setImageName(String)**](http://docs.google.com/rain/Recording.html#setImageName(java.lang.String)) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Sets the recording image name [**setName(String)**](http://docs.google.com/rain/Product.html#setName(java.lang.String)) - Method in class rain.[Product](http://docs.google.com/rain/Product.html) Sets the product name [**setName(String)**](http://docs.google.com/rain/Recording.html#setName(java.lang.String)) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Sets the name / title [**setPrice(double)**](http://docs.google.com/rain/Product.html#setPrice(double)) - Method in class rain.[Product](http://docs.google.com/rain/Product.html) Sets the price [**setPrice(double)**](http://docs.google.com/rain/Recording.html#setPrice(double)) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Sets the recording price [**setRating(String)**](http://docs.google.com/rain/VideoRecording.html#setRating(java.lang.String)) - Method in class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Sets the rating [**setStockCount(int)**](http://docs.google.com/rain/Recording.html#setStockCount(int)) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Sets the stock count [**setTitle(String)**](http://docs.google.com/rain/Recording.html#setTitle(java.lang.String)) - Method in class rain.[Recording](http://docs.google.com/rain/Recording.html) Sets the recording title [**setTitle(String)**](http://docs.google.com/rain/Track.html#setTitle(java.lang.String)) - Method in class rain.[Track](http://docs.google.com/rain/Track.html) Sets the title of the track [**setTrackList(Track[])**](http://docs.google.com/rain/MusicRecording.html#setTrackList(rain.Track%5B%5D)) - Method in class rain.[MusicRecording](http://docs.google.com/rain/MusicRecording.html) Sets the track list [**setYearReleased(int)**](http://docs.google.com/rain/VideoRecording.html#setYearReleased(int)) - Method in class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Sets the year released [**ShoppingCart**](http://docs.google.com/rain/ShoppingCart.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This class describes a shopping cart.[**ShoppingCart()**](http://docs.google.com/rain/ShoppingCart.html#ShoppingCart()) - Constructor for class rain.[ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) Constructs an empty shopping cart [**ShoppingCartItem**](http://docs.google.com/rain/ShoppingCartItem.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This class describes a basic shopping cart item.[**ShoppingCartItem(Product)**](http://docs.google.com/rain/ShoppingCartItem.html#ShoppingCartItem(rain.Product)) - Constructor for class rain.[ShoppingCartItem](http://docs.google.com/rain/ShoppingCartItem.html) Creates a shopping cart item based on the product passed in [**ShoppingCartServlet**](http://docs.google.com/rain/ShoppingCartServlet.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This servlet handles a customer's shopping cart.[**ShoppingCartServlet()**](http://docs.google.com/rain/ShoppingCartServlet.html#ShoppingCartServlet()) - Constructor for class rain.[ShoppingCartServlet](http://docs.google.com/rain/ShoppingCartServlet.html)   [**ShoppingCartSessionListener**](http://docs.google.com/rain/ShoppingCartSessionListener.html) - Class in [rain](http://docs.google.com/rain/package-summary.html) [**ShoppingCartSessionListener()**](http://docs.google.com/rain/ShoppingCartSessionListener.html#ShoppingCartSessionListener()) - Constructor for class rain.[ShoppingCartSessionListener](http://docs.google.com/rain/ShoppingCartSessionListener.html)   [**showCart(ShoppingCart, HttpServletRequest, HttpServletResponse)**](http://docs.google.com/rain/ShoppingCartServlet.html#showCart(rain.ShoppingCart,%20javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse)) - Method in class rain.[ShoppingCartServlet](http://docs.google.com/rain/ShoppingCartServlet.html) Shows the contents of the shopping cart in a table. [**SORT\_BY\_ARTIST**](http://docs.google.com/rain/MusicDAO.html#SORT_BY_ARTIST) - Static variable in class rain.[MusicDAO](http://docs.google.com/rain/MusicDAO.html) Flag to sort by artist name [**SORT\_BY\_PRICE**](http://docs.google.com/rain/DAO.html#SORT_BY_PRICE) - Static variable in class rain.[DAO](http://docs.google.com/rain/DAO.html) Flag to sort by price [**SORT\_BY\_STOCK\_COUNT**](http://docs.google.com/rain/DAO.html#SORT_BY_STOCK_COUNT) - Static variable in class rain.[DAO](http://docs.google.com/rain/DAO.html) Flag to sort by stock count [**SORT\_BY\_TITLE**](http://docs.google.com/rain/DAO.html#SORT_BY_TITLE) - Static variable in class rain.[DAO](http://docs.google.com/rain/DAO.html) Flag to sort by title [**subtract(Duration)**](http://docs.google.com/rain/Duration.html#subtract(rain.Duration)) - Method in class rain.[Duration](http://docs.google.com/rain/Duration.html) Returns a new duration object that is the difference of the supplied Duration and current object.

## **T**

[**title**](http://docs.google.com/rain/Track.html#title) - Variable in class rain.[Track](http://docs.google.com/rain/Track.html) The track title [**toString()**](http://docs.google.com/rain/Duration.html#toString()) - Method in class rain.[Duration](http://docs.google.com/rain/Duration.html) Returns a string representation of the Duration object: Format hh:mm:ss [**toString()**](http://docs.google.com/rain/MusicRecording.html#toString()) - Method in class rain.[MusicRecording](http://docs.google.com/rain/MusicRecording.html) Returns the artist name and title of recording [**toString()**](http://docs.google.com/rain/Track.html#toString()) - Method in class rain.[Track](http://docs.google.com/rain/Track.html) Returns a string representation of the Track. [**toString()**](http://docs.google.com/rain/VideoRecording.html#toString()) - Method in class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Returns the title of recording [**Track**](http://docs.google.com/rain/Track.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This class represents a track (ie a song).[**Track()**](http://docs.google.com/rain/Track.html#Track()) - Constructor for class rain.[Track](http://docs.google.com/rain/Track.html) Default constructor. [**Track(String, Duration)**](http://docs.google.com/rain/Track.html#Track(java.lang.String,%20rain.Duration)) - Constructor for class rain.[Track](http://docs.google.com/rain/Track.html) Creates a Track with the given parameter values

## **V**

[**VIDEO\_DAO\_KEY**](http://docs.google.com/rain/Constants.html#VIDEO_DAO_KEY) - Static variable in interface rain.[Constants](http://docs.google.com/rain/Constants.html) Alias for the video data accessor [**VIDEO\_LIST\_KEY**](http://docs.google.com/rain/Constants.html#VIDEO_LIST_KEY) - Static variable in interface rain.[Constants](http://docs.google.com/rain/Constants.html) Alias for the video list [**VIDEO\_RECORDING\_KEY**](http://docs.google.com/rain/Constants.html#VIDEO_RECORDING_KEY) - Static variable in interface rain.[Constants](http://docs.google.com/rain/Constants.html) Alias for the video recording [**VideoCatalogServlet**](http://docs.google.com/rain/VideoCatalogServlet.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This servlet allows the user to browse the video catalog.[**VideoCatalogServlet()**](http://docs.google.com/rain/VideoCatalogServlet.html#VideoCatalogServlet()) - Constructor for class rain.[VideoCatalogServlet](http://docs.google.com/rain/VideoCatalogServlet.html)   [**VideoDAO**](http://docs.google.com/rain/VideoDAO.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This class provides a data access mechanism for the video recordings database.[**VideoDAO(DataSource)**](http://docs.google.com/rain/VideoDAO.html#VideoDAO(javax.sql.DataSource)) - Constructor for class rain.[VideoDAO](http://docs.google.com/rain/VideoDAO.html) Constructs the data accessor with the given data source [**VideoDetailsServlet**](http://docs.google.com/rain/VideoDetailsServlet.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This servlet displays the details of a video recording.[**VideoDetailsServlet()**](http://docs.google.com/rain/VideoDetailsServlet.html#VideoDetailsServlet()) - Constructor for class rain.[VideoDetailsServlet](http://docs.google.com/rain/VideoDetailsServlet.html)   [**VideoRecording**](http://docs.google.com/rain/VideoRecording.html) - Class in [rain](http://docs.google.com/rain/package-summary.html)This class represents a VideoRecording.[**VideoRecording()**](http://docs.google.com/rain/VideoRecording.html#VideoRecording()) - Constructor for class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Default constructor [**VideoRecording(ResultSet)**](http://docs.google.com/rain/VideoRecording.html#VideoRecording(java.sql.ResultSet)) - Constructor for class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Constructs an video product based on a result set row. [**VideoRecording(String, String, int, String, double, String, String, Duration)**](http://docs.google.com/rain/VideoRecording.html#VideoRecording(java.lang.String,%20java.lang.String,%20int,%20java.lang.String,%20double,%20java.lang.String,%20java.lang.String,%20rain.Duration)) - Constructor for class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Creates a VideoRecording object with given parameter values [**VideoRecording(String, String[], String, int, String, double, String, String, Duration)**](http://docs.google.com/rain/VideoRecording.html#VideoRecording(java.lang.String,%20java.lang.String%5B%5D,%20java.lang.String,%20int,%20java.lang.String,%20double,%20java.lang.String,%20java.lang.String,%20rain.Duration)) - Constructor for class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Creates a VideoRecording object with given parameter values [**VideoRecording(String, String[], String, int, String, double, String, String, Duration, int)**](http://docs.google.com/rain/VideoRecording.html#VideoRecording(java.lang.String,%20java.lang.String%5B%5D,%20java.lang.String,%20int,%20java.lang.String,%20double,%20java.lang.String,%20java.lang.String,%20rain.Duration,%20int)) - Constructor for class rain.[VideoRecording](http://docs.google.com/rain/VideoRecording.html) Creates a VideoRecording object with given parameter values[A](#3znysh7) [B](#2et92p0) [C](#tyjcwt) [D](#3dy6vkm) [E](#1t3h5sf) [G](#4d34og8) [H](#2s8eyo1) [I](#17dp8vu) [L](#3rdcrjn) [M](#26in1rg) [P](#lnxbz9) [R](#35nkun2) [S](#1ksv4uv) [T](#44sinio) [V](#2jxsxqh)

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| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | [**Package**](http://docs.google.com/rain/package-summary.html) | Class | Use | [**Tree**](http://docs.google.com/overview-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | **Index** | | | *Java Servlets & JSP: Course 570* |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?index-all.html)    [**NO FRAMES**](http://docs.google.com/index-all.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |