JavaScript is disabled on your browser.

* [Package](http://docs.google.com/com/learningtree/crs471/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/MusicRecording.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/com/learningtree/crs471/MusicPanel.GoActionListener.html)
* [Next Class](http://docs.google.com/com/learningtree/crs471/RainForest.html)
* [Frames](http://docs.google.com/index.html?com/learningtree/crs471/MusicRecording.html)
* [No Frames](http://docs.google.com/MusicRecording.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
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com.learningtree.crs471

## Class MusicRecording

* java.lang.Object
  + [com.learningtree.crs471.Recording](http://docs.google.com/com/learningtree/crs471/Recording.html)
    - com.learningtree.crs471.MusicRecording
* All Implemented Interfaces: Comparable  
    
  public class MusicRecording  
  extends [Recording](http://docs.google.com/com/learningtree/crs471/Recording.html)  
  This class represents a music recording. It contains additional data members for the artist name and a list of tracks (ie songs).  
   Usage Example:  
    
   MusicRecording myRecording = new MusicRecording("John Lennon", myTrackList, "Double Fantasy",  
   12.99, "Rock", "my\_image.gif");  
    
   Author: 471 Development Team

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + private String | * + [**artist**](http://docs.google.com/com/learningtree/crs471/MusicRecording.html#artist) Data members |
| * + private [Track](http://docs.google.com/com/learningtree/crs471/Track.html)[] | * + [**trackList**](http://docs.google.com/com/learningtree/crs471/MusicRecording.html#trackList) |

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [**MusicRecording**](http://docs.google.com/com/learningtree/crs471/MusicRecording.html#MusicRecording(java.lang.String,%20com.learningtree.crs471.Track%5B%5D,%20java.lang.String,%20double,%20java.lang.String,%20java.lang.String))(String theArtist, [Track](http://docs.google.com/com/learningtree/crs471/Track.html)[] theTrackList, String theTitle, double thePrice, String theCategory, String theImageName) Creates a MusicRecording object with given parameter values This version creates a MusicRecording w/ an empty duration |

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + int | * + [**compareTo**](http://docs.google.com/com/learningtree/crs471/MusicRecording.html#compareTo(java.lang.Object))(Object object) Allow us to sort the recordings by artist name |
| * + String | * + [**getArtist**](http://docs.google.com/com/learningtree/crs471/MusicRecording.html#getArtist())() |
| * + [Duration](http://docs.google.com/com/learningtree/crs471/Duration.html) | * + [**getRunningTime**](http://docs.google.com/com/learningtree/crs471/MusicRecording.html#getRunningTime())() Returns the recording running time. |
| * + [Track](http://docs.google.com/com/learningtree/crs471/Track.html)[] | * + [**getTrackList**](http://docs.google.com/com/learningtree/crs471/MusicRecording.html#getTrackList())() |
| * + String | * + [**toString**](http://docs.google.com/com/learningtree/crs471/MusicRecording.html#toString())() Returns the artist name, title of recording |

### Methods inherited from class com.learningtree.crs471.[**Recording**](http://docs.google.com/com/learningtree/crs471/Recording.html)[getCategory](http://docs.google.com/com/learningtree/crs471/Recording.html#getCategory()), [getImageName](http://docs.google.com/com/learningtree/crs471/Recording.html#getImageName()), [getPrice](http://docs.google.com/com/learningtree/crs471/Recording.html#getPrice()), [getTitle](http://docs.google.com/com/learningtree/crs471/Recording.html#getTitle()), [setCategory](http://docs.google.com/com/learningtree/crs471/Recording.html#setCategory(java.lang.String)), [setImageName](http://docs.google.com/com/learningtree/crs471/Recording.html#setImageName(java.lang.String)), [setPrice](http://docs.google.com/com/learningtree/crs471/Recording.html#setPrice(double)), [setTitle](http://docs.google.com/com/learningtree/crs471/Recording.html#setTitle(java.lang.String))

### Methods inherited from class java.lang.Objectclone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

### Field Detail

#### artist private String artist Data members

#### trackList private [Track](http://docs.google.com/com/learningtree/crs471/Track.html)[] trackList

### Constructor Detail

#### MusicRecording public MusicRecording(String theArtist, [Track](http://docs.google.com/com/learningtree/crs471/Track.html)[] theTrackList, String theTitle, double thePrice, String theCategory, String theImageName) Creates a MusicRecording object with given parameter values This version creates a MusicRecording w/ an empty duration

### Method Detail

#### getArtist public String getArtist()

#### getTrackList public [Track](http://docs.google.com/com/learningtree/crs471/Track.html)[] getTrackList()

#### getRunningTime public [Duration](http://docs.google.com/com/learningtree/crs471/Duration.html) getRunningTime() Returns the recording running time. Overrides the method from Recording. Iterates over the list of tracks and keeps a running total of each track's duration.**Specified by:** [getRunningTime](http://docs.google.com/com/learningtree/crs471/Recording.html#getRunningTime()) in class [Recording](http://docs.google.com/com/learningtree/crs471/Recording.html)

#### toString public String toString() Returns the artist name, title of recording**Overrides:** toString in class Object

#### compareTo public int compareTo(Object object) Allow us to sort the recordings by artist name**Specified by:** compareTo in interface Comparable **Overrides:** [compareTo](http://docs.google.com/com/learningtree/crs471/Recording.html#compareTo(java.lang.Object)) in class [Recording](http://docs.google.com/com/learningtree/crs471/Recording.html)

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