

## Class PlayList

java.lang.Object  
PlayList

```
public class PlayList
extends java.lang.Object
```

### Nested Class Summary

Nested Classes	
Modifier and Type	Class and Description
private class	<b>PlayList.Node</b> An inner class that represents a node in the play list; the public variables are accessed by the PlayList class.

### Field Summary

Fields	
Modifier and Type	Field and Description
private <b>PlayList.Node</b>	<b>first</b> The first node in the list.
private <b>PlayList.Node</b>	<b>last</b> The last node in the list.
private int	<b>size</b> The size of the list.

### Constructor Summary

Constructors	
Constructor and Description	
<b>PlayList()</b>	Creates an empty list.

Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method and Description	
void	<code>add(Song songIn)</code> Adds a new node representing the specified song at the appropriate position in the list; proper ordering of the songs must be maintained.	
int	<code>getNumSongs()</code> Returns the number of songs currently stored in the list.	
Song[]	<code>getReversedList()</code> Creates and returns an array containing all of the Songs in this list, stored in reverse order in the array.	
String	<code>toString()</code> Returns a textual string of the contents of the list in order.	
void	<code>remove(Song songIn)</code> Remove from this list a node containing the specified song.	

Methods inherited from class java.lang.Object

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

Field Detail

first
<code>private PlayList.Node first</code> The first node in the list.
last
<code>private PlayList.Node last</code> The last node in the list.
size
<code>private int size</code>

The size of the list.

**Constructor Detail**

**PlayList**

```
public PlayList()
```

Creates an empty list.

**Method Detail**

**getNumSongs**

```
public int getNumSongs()
```

Returns the number of songs currently stored in the list.

**Returns:**

The number of songs.

**add**

```
public void add(Song songIn)
```

Adds a new node representing the specified song at the appropriate position in the list; proper ordering of the songs must be maintained.

**Parameters:**

songIn - The song to be included in the new node.

**remove**

```
public void remove(Song songIn)
```

Remove from this list a node containing the specified song.

**Parameters:**

songIn - The song to be removed.

**Throws:**

??? (you - decide on the Exception) if not found.

**getReversedList**

```
public Song[] getReversedList()
```

Creates and returns an array containing all of the Songs in this list, stored in reverse order in the array.

Returns:

The list (in reverse order) as an array

toString

```
public String toString()
```

Returns a textual string of the contents of the list in order.

PACKAGE

CLASS

TREE

DEPRECATED

INDEX

HELP

PREV CLASS

NEXT CLASS

FRAMES

NO FRAMES

ALL CLASSES

SUMMARY: NESTED | FIELD | CONSTR | METHOD      DETAIL: FIELD | CONSTR | METHOD