| | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | | |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/PictureExplorer.html)   [**NEXT CLASS**](http://docs.google.com/Pixel.html) | [**FRAMES**](http://docs.google.com/index.html?PictureFrame.html)    [**NO FRAMES**](http://docs.google.com/PictureFrame.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#17dp8vu) | [METHOD](#lnxbz9) |

## Class PictureFrame

[java.lang.Object](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true)  
 **PictureFrame**

public class **PictureFrame**extends [Object](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true)

Class that holds a digital picture and displays it. Copyright Georgia Institute of Technology 2004

**Author:** Barb Ericson

| **Field Summary** | |
| --- | --- |
| (package private)  [JFrame](http://java.sun.com/javase/6/docs/api/javax/swing/JFrame.html?is-external=true) | [**frame**](http://docs.google.com/PictureFrame.html#frame)            Main window used as the frame |
| (package private)  [ImageIcon](http://java.sun.com/javase/6/docs/api/javax/swing/ImageIcon.html?is-external=true) | [**imageIcon**](http://docs.google.com/PictureFrame.html#imageIcon)            ImageIcon used to display the picture in the label |

| **Constructor Summary** | |
| --- | --- |
| [**PictureFrame**](http://docs.google.com/PictureFrame.html#PictureFrame())()            A constructor that takes no arguments. |
| [**PictureFrame**](http://docs.google.com/PictureFrame.html#PictureFrame(DigitalPicture))([DigitalPicture](http://docs.google.com/DigitalPicture.html) picture)            A constructor that takes a picture to display |

| **Method Summary** | |
| --- | --- |
| void | [**close**](http://docs.google.com/PictureFrame.html#close())()            A method to close a picture frame |
| void | [**displayImage**](http://docs.google.com/PictureFrame.html#displayImage())()            A method to make sure the frame is displayed |
| void | [**hide**](http://docs.google.com/PictureFrame.html#hide())()            A method to hide the frame |
| void | [**repaint**](http://docs.google.com/PictureFrame.html#repaint())()            Method to force the picture frame to repaint (redraw) |
| void | [**setPicture**](http://docs.google.com/PictureFrame.html#setPicture(Picture))([Picture](http://docs.google.com/Picture.html) picture)            Method to set the picture to show in this picture frame |
| void | [**setTitle**](http://docs.google.com/PictureFrame.html#setTitle(java.lang.String))([String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) title)            Method to set the title for the picture frame |
| void | [**setVisible**](http://docs.google.com/PictureFrame.html#setVisible(boolean))(boolean flag)            A method to set the visible flag on the frame |
| void | [**updateImage**](http://docs.google.com/PictureFrame.html#updateImage())()            A method to update the picture frame image with the image in the picture |
| void | [**updateImageAndShowIt**](http://docs.google.com/PictureFrame.html#updateImageAndShowIt())()            A method to update the picture frame image with the image in the picture and show it |

| **Methods inherited from class java.lang.**[**Object**](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true) |
| --- |
| [clone](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#clone()), [equals](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#equals(java.lang.Object)), [finalize](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#finalize()), [getClass](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#getClass()), [hashCode](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#hashCode()), [notify](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#notify()), [notifyAll](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#notifyAll()), [toString](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#toString()), [wait](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#wait()), [wait](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#wait(long)), [wait](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#wait(long,%20int)) |

| **Field Detail** |
| --- |

### frame

[JFrame](http://java.sun.com/javase/6/docs/api/javax/swing/JFrame.html?is-external=true) **frame**

Main window used as the frame

### imageIcon

[ImageIcon](http://java.sun.com/javase/6/docs/api/javax/swing/ImageIcon.html?is-external=true) **imageIcon**

ImageIcon used to display the picture in the label

| **Constructor Detail** |
| --- |

### PictureFrame

public **PictureFrame**()

A constructor that takes no arguments. This is needed for subclasses of this class

### PictureFrame

public **PictureFrame**([DigitalPicture](http://docs.google.com/DigitalPicture.html) picture)

A constructor that takes a picture to display

**Parameters:**picture - the digital picture to display in the picture frame

| **Method Detail** |
| --- |

### setPicture

public void **setPicture**([Picture](http://docs.google.com/Picture.html) picture)

Method to set the picture to show in this picture frame

**Parameters:**picture - the new picture to use

### updateImage

public void **updateImage**()

A method to update the picture frame image with the image in the picture

### updateImageAndShowIt

public void **updateImageAndShowIt**()

A method to update the picture frame image with the image in the picture and show it

### displayImage

public void **displayImage**()

A method to make sure the frame is displayed

### hide

public void **hide**()

A method to hide the frame

### setVisible

public void **setVisible**(boolean flag)

A method to set the visible flag on the frame

**Parameters:**flag - the flag to use

### close

public void **close**()

A method to close a picture frame

### setTitle

public void **setTitle**([String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) title)

Method to set the title for the picture frame

**Parameters:**title - the title to use

### repaint

public void **repaint**()

Method to force the picture frame to repaint (redraw)

| | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | | |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/PictureExplorer.html)   [**NEXT CLASS**](http://docs.google.com/Pixel.html) | [**FRAMES**](http://docs.google.com/index.html?PictureFrame.html)    [**NO FRAMES**](http://docs.google.com/PictureFrame.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#17dp8vu) | [METHOD](#lnxbz9) |