| | [**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/Playback.html)   [**NEXT CLASS**](http://docs.google.com/RegionInterface.html) | [**FRAMES**](http://docs.google.com/index.html?RectangleShape.html)    [**NO FRAMES**](http://docs.google.com/RectangleShape.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#lnxbz9) |

## Class RectangleShape

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

public class **RectangleShape**extends [AbstractShape](http://docs.google.com/AbstractShape.html)

Class Rectangle: inherits from Shape and draws a rectangle Copyright Georgia Institute of Technology 2007

**Author:** Barb Ericson

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class** [**AbstractShape**](http://docs.google.com/AbstractShape.html) |
| --- |
| [color](http://docs.google.com/AbstractShape.html#color), [OVAL](http://docs.google.com/AbstractShape.html#OVAL), [p1](http://docs.google.com/AbstractShape.html#p1), [p2](http://docs.google.com/AbstractShape.html#p2), [RECTANGLE](http://docs.google.com/AbstractShape.html#RECTANGLE) |

| **Constructor Summary** | |
| --- | --- |
| [**RectangleShape**](http://docs.google.com/RectangleShape.html#RectangleShape())()            No argument constructor |
| [**RectangleShape**](http://docs.google.com/RectangleShape.html#RectangleShape(int,%20int,%20int,%20int))(int x1, int y1, int x2, int y2)            Constructor that takes x1,y1,x2,y2 |
| [**RectangleShape**](http://docs.google.com/RectangleShape.html#RectangleShape(java.awt.Point,%20java.awt.Point))([Point](http://java.sun.com/javase/6/docs/api/java/awt/Point.html?is-external=true) firstPoint, [Point](http://java.sun.com/javase/6/docs/api/java/awt/Point.html?is-external=true) lastPoint)            Constructor that takes two points to define the shape |

| **Method Summary** | |
| --- | --- |
| void | [**draw**](http://docs.google.com/RectangleShape.html#draw(java.awt.Graphics))([Graphics](http://java.sun.com/javase/6/docs/api/java/awt/Graphics.html?is-external=true) g)            Draw the shape |

| **Methods inherited from class** [**AbstractShape**](http://docs.google.com/AbstractShape.html) |
| --- |
| [getHeight](http://docs.google.com/AbstractShape.html#getHeight()), [getMinX](http://docs.google.com/AbstractShape.html#getMinX()), [getMinY](http://docs.google.com/AbstractShape.html#getMinY()), [getWidth](http://docs.google.com/AbstractShape.html#getWidth()), [setPoint1Values](http://docs.google.com/AbstractShape.html#setPoint1Values(int,%20int)), [setPoint2Values](http://docs.google.com/AbstractShape.html#setPoint2Values(int,%20int)) |

| **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)) |

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

### RectangleShape

public **RectangleShape**()

No argument constructor

### RectangleShape

public **RectangleShape**([Point](http://java.sun.com/javase/6/docs/api/java/awt/Point.html?is-external=true) firstPoint,  
 [Point](http://java.sun.com/javase/6/docs/api/java/awt/Point.html?is-external=true) lastPoint)

Constructor that takes two points to define the shape

**Parameters:**firstPoint - first point used in defining the shapelastPoint - second point used in defining the shape

### RectangleShape

public **RectangleShape**(int x1,  
 int y1,  
 int x2,  
 int y2)

Constructor that takes x1,y1,x2,y2

**Parameters:**x1 - x value of the first point that defines the shapey1 - y value of the first point that defines the shapex2 - x value of the second point that defines the shapey2 - y value of the second point that defines the shape

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

### draw

public void **draw**([Graphics](http://java.sun.com/javase/6/docs/api/java/awt/Graphics.html?is-external=true) g)

Draw the shape

**Specified by:**[draw](http://docs.google.com/AbstractShape.html#draw(java.awt.Graphics)) in class [AbstractShape](http://docs.google.com/AbstractShape.html) **Parameters:**g - the graphics context on which to draw

| | [**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) | | --- | --- | --- | --- | --- | --- | | |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
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