

Class SmallEnemy

```

java.lang.Object
  java.awt.Component
    java.awt.Container
      javax.swing.JComponent
        javax.swing.JPanel
          SpriteSheet
            EnemySprite
              SmallEnemy
  
```

All Implemented Interfaces:

[java.awt.image.ImageObserver](#), [java.awt.MenuContainer](#), [java.io.Serializable](#),
[javax.accessibility.Accessible](#)

```

public class SmallEnemy
extends EnemySprite
implements java.awt.image.ImageObserver
  
```

This is the small enemy and will keep track of small enemy attributes.

See Also:

[Serialized Form](#)

Nested Class Summary

Nested classes/interfaces inherited from class javax.swing.JPanel

[javax.swing.JPanel.AccessibleJPanel](#)

Nested classes/interfaces inherited from class javax.swing.JComponent

[javax.swing.JComponent.AccessibleJComponent](#)

Nested classes/interfaces inherited from class java.awt.Container

[java.awt.Container.AccessibleAWTContainer](#)

Nested classes/interfaces inherited from class java.awt.Component

[java.awt.Component.AccessibleAWTComponent](#),
[java.awt.Component.BaselineResizeBehavior](#), [java.awt.Component.BltBufferStrategy](#),
[java.awt.Component.FlipBufferStrategy](#)

Field Summary

Fields

Modifier and Type	Field and Description
private boolean	isSmallEnemy

Fields inherited from class [EnemySprite](#)

[didPlaneFire](#), [enemyMissiles](#), [isBigEnemy](#)

Fields inherited from class [javax.swing.JComponent](#)

[listenerList](#), [TOOL_TIP_TEXT_KEY](#), [ui](#), [UNDEFINED_CONDITION](#),
[WHEN_ANCESTOR_OF_FOCUSED_COMPONENT](#), [WHEN_FOCUSED](#), [WHEN_IN_FOCUSED_WINDOW](#)

Fields inherited from class [java.awt.Component](#)

[accessibleContext](#), [BOTTOM_ALIGNMENT](#), [CENTER_ALIGNMENT](#), [LEFT_ALIGNMENT](#),
[RIGHT_ALIGNMENT](#), [TOP_ALIGNMENT](#)

Fields inherited from interface [java.awt.image.ImageObserver](#)

[ABORT](#), [ALLBITS](#), [ERROR](#), [FRAMEBITS](#), [HEIGHT](#), [PROPERTIES](#), [SOMEBITS](#), [WIDTH](#)

Constructor Summary

Constructors

Constructor and Description
SmallEnemy (java.lang.String e, int life) This is the small enemy construcotr.

Method Summary

All Methods Instance Methods Concrete Methods

Modifier and Type	Method and Description
java.awt.Rectangle	getBigBoundsX() This will return the bounds of the enemy sprite's wings.

`java.awt.Rectangle` `getBigBoundsY()`

This will return the bounds of the enemy sprite body.

Methods inherited from class `EnemySprite`

`array`, `didPlaneFire`, `doDrawing`, `getH`, `getLife`, `getPlane`, `getW`, `getXPosition`, `getYPosition`, `isEnemyDestroyed`, `loadImage`, `moveDown`, `moveLeft`, `moveRight`, `moveUp`, `projectile`, `setEnemyDestroyed`, `setMoveSpeedX`, `setX`, `setY`, `subtractLife`

Methods inherited from class `SpriteSheet`

`getHeight`, `getSprites`, `getWidth`

Methods inherited from class `javax.swing.JPanel`

`getAccessibleContext`, `getUI`, `getUIClassID`, `paramString`, `setUI`, `updateUI`

Methods inherited from class `javax.swing.JComponent`

`addAncestorListener`, `addNotify`, `addVetoableChangeListener`, `computeVisibleRect`, `contains`, `createToolTip`, `disable`, `enable`, `firePropertyChange`, `firePropertyChange`, `firePropertyChange`, `fireVetoableChange`, `getActionForKeyStroke`, `getActionMap`, `getAlignmentX`, `getAlignmentY`, `getAncestorListeners`, `getAutoscrolls`, `getBaseline`, `getBaselineResizeBehavior`, `getBorder`, `getBounds`, `getClientProperty`, `getComponentGraphics`, `getComponentPopupMenu`, `getConditionForKeyStroke`, `getDebugGraphicsOptions`, `getDefaultLocale`, `getFontMetrics`, `getGraphics`, `getInheritsPopupMenu`, `getInputMap`, `getInputMap`, `getInputVerifier`, `getInsets`, `getInsets`, `getListeners`, `getLocation`, `getMaximumSize`, `getMinimumSize`, `getNextFocusableComponent`, `getPopupLocation`, `getPreferredSize`, `getRegisteredKeyStrokes`, `getRootPane`, `getSize`, `getToolTipLocation`, `getToolTipText`, `getToolTipText`, `getTopLevelAncestor`, `getTransferHandler`, `getVerifyInputWhenFocusTarget`, `getVetoableChangeListeners`, `getVisibleRect`, `getX`, `getY`, `grabFocus`, `hide`, `isDoubleBuffered`, `isLightweightComponent`, `isManagingFocus`, `isOpaque`, `isOptimizedDrawingEnabled`, `isPaintingForPrint`, `isPaintingOrigin`, `isPaintingTile`, `isRequestFocusEnabled`, `isValidateRoot`, `paint`, `paintBorder`, `paintChildren`, `paintComponent`, `paintImmediately`, `paintImmediately`, `print`, `printAll`, `printBorder`, `printChildren`, `printComponent`, `processComponentKeyEvent`, `processKeyBinding`, `processKeyEvent`, `processMouseEvent`, `processMouseEvent`, `putClientProperty`, `registerKeyboardAction`, `registerKeyboardAction`, `removeAncestorListener`, `removeNotify`, `removeVetoableChangeListener`, `repaint`, `repaint`, `requestDefaultFocus`, `requestFocus`, `requestFocus`, `requestFocusInWindow`, `requestFocusInWindow`, `resetKeyboardActions`, `reshape`, `revalidate`, `scrollRectToVisible`, `setActionMap`, `setAlignmentX`, `setAlignmentY`, `setAutoscrolls`, `setBackground`, `setBorder`, `setComponentPopupMenu`, `setDebugGraphicsOptions`, `setDefaultLocale`, `setDoubleBuffered`, `setEnabled`, `setFocusTraversalKeys`, `setFont`, `setForeground`, `setInheritsPopupMenu`, `setInputMap`, `setInputVerifier`, `setMaximumSize`, `setMinimumSize`, `setNextFocusableComponent`, `setOpaque`,

setPreferredSize, setRequestFocusEnabled, setToolTipText, setTransferHandler, setUI, setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction, update

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, addImpl, addPropertyChangeListener, addPropertyChangeListener, applyComponentOrientation, areFocusTraversalKeysSet, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getComponentZOrder, getContainerListeners, getFocusTraversalKeys, getFocusTraversalPolicy, getLayout, getMousePosition, insets, invalidate, isAncestorOf, isFocusCycleRoot, isFocusCycleRoot, isFocusTraversalPolicyProvider, isFocusTraversalPolicySet, layout, list, list, locate, minimumSize, paintComponents, preferredSize, printComponents, processContainerEvent, processEvent, remove, remove, removeAll, removeContainerListener, setComponentZOrder, setFocusCycleRoot, setFocusTraversalPolicy, setFocusTraversalPolicyProvider, setLayout, transferFocusDownCycle, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addMouseWheelListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, createVolatileImage, createVolatileImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, getBackground, getBounds, getColorModel, getComponentListeners, getComponentOrientation, getCursor, getDropTarget, getFocusCycleRootAncestor, getFocusListeners, getFocusTraversalKeysEnabled, getFont, getForeground, getGraphicsConfiguration, getHierarchyBoundsListeners, getHierarchyListeners, getIgnoreRepaint, getInputContext, getInputMethodListeners, getInputMethodRequests, getKeyListeners, getLocale, getLocation, getLocationOnScreen, getMouseListeners, getMouseMotionListeners, getMousePosition, getMouseWheelListeners, getName, getParent, getPeer, getPropertyChangeListeners, getPropertyChangeListeners, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isBackgroundSet, isCursorSet, isDisplayable, isEnabled, isFocusable, isFocusOwner, isFocusTraversable, isFontSet, isForegroundSet, isLightweight, isMaximumSizeSet, isMinimumSizeSet, isPreferredSizeSet, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseWheelEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removeMouseWheelListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, resize, resize,

setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setFocusable, setFocusTraversalKeysEnabled, setIgnoreRepaint, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus, transferFocusBackward, transferFocusUpCycle

Methods inherited from class java.lang.Object

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

Methods inherited from interface java.awt.image.ImageObserver

imageUpdate

Field Detail

isSmallEnemy

```
private final boolean isSmallEnemy
```

Constructor Detail

SmallEnemy

```
public SmallEnemy(java.lang.String e,  
                  int life)
```

This is the small enemy construcotr. This woll create a small enemy instance and will keep track of teh location and other attributes.

Parameters:

e - this is the image location will be load for the sprite.

Method Detail

getBigBoundsX

```
public java.awt.Rectangle getBigBoundsX()
```

This will return the bounds of the enemy sprite's wings.

Overrides:

`getBigBoundsX` in class `EnemySprite`

Returns:

the bounds of the enemy sprite wings

getBigBoundsY

```
public java.awt.Rectangle getBigBoundsY()
```

This will return the bounds of the enemy sprite body.

Overrides:

[getBigBoundsY](#) in class [EnemySprite](#)

Returns:

this will return the enemy sprites body bounds.

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