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

## **Class Main**

java.lang.Object Main

public class Main
extends java.lang.Object

Chama a tela de login.

# **Constructor Summary**

**Constructors** 

**Constructor and Description** 

Main()

# **Method Summary**

All Methods Static Methods Concrete Methods

Modifier and Type Method and Description

static void main(java.lang.String[] args)

# Methods inherited from class java.lang.Object

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

#### **Constructor Detail**

#### Main

public Main()

## **Method Detail**

```
main

public static void main(java.lang.String[] args)
```

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```
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```

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ui

# **Class Login**

#### **All Implemented Interfaces:**

```
java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable,
javax.accessibility.Accessible, javax.swing.RootPaneContainer,
javax.swing.WindowConstants
```

```
public class Login
extends javax.swing.JFrame
```

Tela de login. Caso o usuário acerte a senha, os dados são lidos e o usuário entra no sistema. Caso erre, fecha o programa.

#### See Also:

Serialized Form

# **Nested Class Summary**

# Nested classes/interfaces inherited from class javax.swing.JFrame

javax.swing.JFrame.AccessibleJFrame

# Nested classes/interfaces inherited from class java.awt.Frame

java.awt.Frame.AccessibleAWTFrame

# Nested classes/interfaces inherited from class java.awt.Window

java.awt.Window.AccessibleAWTWindow, java.awt.Window.Type

# 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 java.lang.String passwd

# Fields inherited from class javax.swing.JFrame

accessibleContext, EXIT\_ON\_CLOSE, rootPane, rootPaneCheckingEnabled

# Fields inherited from class java.awt.Frame

CROSSHAIR\_CURSOR, DEFAULT\_CURSOR, E\_RESIZE\_CURSOR, HAND\_CURSOR, ICONIFIED, MAXIMIZED\_BOTH, MAXIMIZED\_HORIZ, MAXIMIZED\_VERT, MOVE\_CURSOR, N\_RESIZE\_CURSOR, NE\_RESIZE\_CURSOR, NORMAL, NW\_RESIZE\_CURSOR, S\_RESIZE\_CURSOR, SE\_RESIZE\_CURSOR, SW\_RESIZE\_CURSOR, TEXT\_CURSOR, W\_RESIZE\_CURSOR, WAIT\_CURSOR

# Fields inherited from class java.awt.Component

BOTTOM\_ALIGNMENT, CENTER\_ALIGNMENT, LEFT\_ALIGNMENT, RIGHT\_ALIGNMENT, TOP\_ALIGNMENT

# Fields inherited from interface javax.swing.WindowConstants

DISPOSE\_ON\_CLOSE, DO\_NOTHING\_ON\_CLOSE, HIDE\_ON\_CLOSE

## Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

## **Constructor Summary**

#### **Constructors**

## **Constructor and Description**

#### Login()

Construtor da classe.

# **Method Summary**

## All Methods Static Methods Concrete Methods

Modifier and Type Method and Description

static java.lang.String criptografar(java.lang.String senha)
Criptografa a senha e retorna ela encriptografada.

# Methods inherited from class javax.swing.JFrame

addImpl, createRootPane, frameInit, getAccessibleContext, getContentPane, getDefaultCloseOperation, getGlassPane, getGraphics, getJMenuBar, getLayeredPane, getRootPane, getTransferHandler, isDefaultLookAndFeelDecorated, isRootPaneCheckingEnabled, paramString, processWindowEvent, remove, repaint, setContentPane, setDefaultCloseOperation, setDefaultLookAndFeelDecorated, setGlassPane, setIconImage, setJMenuBar, setLayeredPane, setLayout, setRootPane, setRootPaneCheckingEnabled, setTransferHandler, update

# Methods inherited from class java.awt.Frame

addNotify, getCursorType, getExtendedState, getFrames, getIconImage, getMaximizedBounds, getMenuBar, getState, getTitle, isResizable, isUndecorated, remove, removeNotify, setBackground, setCursor, setExtendedState, setMaximizedBounds, setMenuBar, setOpacity, setResizable, setShape, setState, setTitle, setUndecorated

# Methods inherited from class java.awt.Window

addPropertyChangeListener, addPropertyChangeListener, addWindowFocusListener, addWindowListener, addWindowStateListener, applyResourceBundle, applyResourceBundle, createBufferStrategy, createBufferStrategy, dispose, getBackground, getBufferStrategy, getFocusableWindowState, getFocusCycleRootAncestor, getFocusOwner, getFocusTraversalKeys, getIconImages, getInputContext, getListeners, getLocale, getModalExclusionType, getMostRecentFocusOwner, getOpacity, getOwnedWindows, getOwner, getOwnerlessWindows, getShape, getToolkit, getType, getWarningString, getWindowFocusListeners, getWindowListeners, getWindows, getWindowStateListeners, hide, isActive, isAlwaysOnTop, isAlwaysOnTopSupported, isAutoRequestFocus, isFocusableWindow, isFocusCycleRoot, isFocused, isLocationByPlatform, isOpaque, isShowing, isValidateRoot, pack, paint, postEvent, processEvent, processWindowFocusEvent, processWindowStateEvent, removeWindowFocusListener, removeWindowListener, removeWindowStateListener, reshape, setAlwaysOnTop, setAutoRequestFocus, setBounds, setBounds, setCursor, setFocusableWindowState, setFocusCycleRoot, setIconImages, setLocation, setLocation, setLocationByPlatform, setLocationRelativeTo, setMinimumSize, setModalExclusionType, setSize, setSize, setType, setVisible, show, toBack, toFront

# Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, applyComponentOrientation,
areFocusTraversalKeysSet, countComponents, deliverEvent, doLayout,
findComponentAt, findComponentAt, getAlignmentX, getAlignmentY,
getComponent, getComponentAt, getComponentAt, getComponentCount,
getComponents, getComponentZOrder, getContainerListeners,
getFocusTraversalPolicy, getInsets, getLayout, getMaximumSize,
getMinimumSize, getMousePosition, getPreferredSize, insets, invalidate,
isAncestorOf, isFocusCycleRoot, isFocusTraversalPolicyProvider,
isFocusTraversalPolicySet, layout, list, list, locate, minimumSize,
paintComponents, preferredSize, print, printComponents,
processContainerEvent, remove, removeAll, removeContainerListener,
setComponentZOrder, setFocusTraversalKeys, setFocusTraversalPolicy,
setFocusTraversalPolicyProvider, setFont, 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, contains, createImage, createImage, createVolatileImage, createVolatileImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, getBaseline, getBaselineResizeBehavior, getBounds, getBounds, getColorModel, getComponentListeners, getComponentOrientation, getCursor, getDropTarget, getFocusListeners, getFocusTraversalKeysEnabled, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getHeight, getHierarchyBoundsListeners, getHierarchyListeners, getIgnoreRepaint, getInputMethodListeners, getInputMethodRequests, getKeyListeners, getLocation, getLocation, getLocationOnScreen, getMouseListeners, getMouseMotionListeners, getMousePosition, getMouseWheelListeners, getName, getParent, getPeer, getPropertyChangeListeners, getPropertyChangeListeners, getSize, getSize, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isBackgroundSet, isCursorSet, isDisplayable, isDoubleBuffered, isEnabled, isFocusable, isFocusOwner, isFocusTraversable, isFontSet, isForegroundSet, isLightweight, isMaximumSizeSet, isMinimumSizeSet, isPreferredSizeSet, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processKeyEvent, processMouseEvent, processMouseMotionEvent, processMouseWheelEvent, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener,

removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removeMouseWheelListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, requestFocus, requestFocus, requestFocusInWindow, requestFocusInWindow, resize, resize, revalidate, setComponentOrientation, setDropTarget, setEnabled, setFocusable, setFocusTraversalKeysEnabled, setForeground, setIgnoreRepaint, setLocale, setMaximumSize, setName, setPreferredSize, 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.MenuContainer

getFont, postEvent

## Field Detail

#### passwd

private java.lang.String passwd

## **Constructor Detail**

#### Login

public Login()

Construtor da classe. Chama função que lê o arquivo da senha, apresenta a tela de login e valida a senha inserida, direcionando o usuário à tela inicial caso a senha esteja correta ou fechando o programa, caso não esteja.

#### Method Detail

#### criptografar

public static java.lang.String criptografar(java.lang.String senha)

Criptografa a senha e retorna ela encriptografada.

#### **Parameters:**

senha -

Returns:			

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

```
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ui

## Class TelaInicial

```
java.lang.Object
    java.awt.Component
    java.awt.Container
    java.awt.Window
    java.awt.Frame
    javax.swing.JFrame
```

#### **All Implemented Interfaces:**

```
java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable,
javax.accessibility.Accessible, javax.swing.RootPaneContainer,
javax.swing.WindowConstants
```

```
public class TelaInicial
extends javax.swing.JFrame
```

Tela inicial da aplicação. Apresenta opções e redireciona para a tela da escolhida. Em particular, a opção de sair realiza o salvamento do Tracker em um arquivo serializável.

#### See Also:

Serialized Form

# **Nested Class Summary**

# Nested classes/interfaces inherited from class javax.swing.JFrame

javax.swing.JFrame.AccessibleJFrame

# Nested classes/interfaces inherited from class java.awt.Frame

java.awt.Frame.AccessibleAWTFrame

## Nested classes/interfaces inherited from class java.awt.Window

java.awt.Window.AccessibleAWTWindow, java.awt.Window.Type

# 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 inherited from class javax.swing.JFrame

accessibleContext, EXIT\_ON\_CLOSE, rootPane, rootPaneCheckingEnabled

# Fields inherited from class java.awt.Frame

CROSSHAIR\_CURSOR, DEFAULT\_CURSOR, E\_RESIZE\_CURSOR, HAND\_CURSOR, ICONIFIED, MAXIMIZED\_BOTH, MAXIMIZED\_HORIZ, MAXIMIZED\_VERT, MOVE\_CURSOR, N\_RESIZE\_CURSOR, NE\_RESIZE\_CURSOR, NORMAL, NW\_RESIZE\_CURSOR, S\_RESIZE\_CURSOR, SE\_RESIZE\_CURSOR, SW\_RESIZE\_CURSOR, TEXT\_CURSOR, W\_RESIZE\_CURSOR, WAIT\_CURSOR

# Fields inherited from class java.awt.Component

BOTTOM\_ALIGNMENT, CENTER\_ALIGNMENT, LEFT\_ALIGNMENT, RIGHT\_ALIGNMENT, TOP\_ALIGNMENT

# Fields inherited from interface javax.swing.WindowConstants

DISPOSE\_ON\_CLOSE, DO\_NOTHING\_ON\_CLOSE, HIDE\_ON\_CLOSE

# Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

# **Constructor Summary**

#### **Constructors**

#### **Constructor and Description**

TelaInicial(Tracker tracker)

Construtor da classe.

# **Method Summary**

# Methods inherited from class javax.swing.JFrame

addImpl, createRootPane, frameInit, getAccessibleContext, getContentPane,

getDefaultCloseOperation, getGlassPane, getGraphics, getJMenuBar,
getLayeredPane, getRootPane, getTransferHandler,
isDefaultLookAndFeelDecorated, isRootPaneCheckingEnabled, paramString,
processWindowEvent, remove, repaint, setContentPane,
setDefaultCloseOperation, setDefaultLookAndFeelDecorated, setGlassPane,
setIconImage, setJMenuBar, setLayeredPane, setLayout, setRootPane,
setRootPaneCheckingEnabled, setTransferHandler, update

# Methods inherited from class java.awt.Frame

addNotify, getCursorType, getExtendedState, getFrames, getIconImage, getMaximizedBounds, getMenuBar, getState, getTitle, isResizable, isUndecorated, remove, removeNotify, setBackground, setCursor, setExtendedState, setMaximizedBounds, setMenuBar, setOpacity, setResizable, setShape, setState, setTitle, setUndecorated

# Methods inherited from class java.awt.Window

addPropertyChangeListener, addPropertyChangeListener, addWindowFocusListener, addWindowListener, addWindowStateListener, applyResourceBundle, applyResourceBundle, createBufferStrategy, createBufferStrategy, dispose, getBackground, getBufferStrategy, getFocusableWindowState, getFocusCycleRootAncestor, getFocusOwner, getFocusTraversalKeys, getIconImages, getInputContext, getListeners, getLocale, getModalExclusionType, getMostRecentFocusOwner, getOpacity, getOwnedWindows, getOwner, getOwnerlessWindows, getShape, getToolkit, getType, getWarningString, getWindowFocusListeners, getWindowListeners, getWindows, getWindowStateListeners, hide, isActive, isAlwaysOnTop, isAlwaysOnTopSupported, isAutoRequestFocus, isFocusableWindow, isFocusCycleRoot, isFocused, isLocationByPlatform, isOpaque, isShowing, isValidateRoot, pack, paint, postEvent, processEvent, processWindowFocusEvent, processWindowStateEvent, removeWindowFocusListener, removeWindowListener, removeWindowStateListener, reshape, setAlwaysOnTop, setAutoRequestFocus, setBounds, setBounds, setCursor, setFocusableWindowState, setFocusCycleRoot, setIconImages, setLocation, setLocation, setLocationByPlatform, setLocationRelativeTo, setMinimumSize, setModalExclusionType, setSize, setSize, setType, setVisible, show, toBack, toFront

## Methods inherited from class java.awt.Container

add, add, add, add, addContainerListener, applyComponentOrientation, areFocusTraversalKeysSet, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getAlignmentX, getAlignmentY, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getComponentZOrder, getContainerListeners, getFocusTraversalPolicy, getInsets, getLayout, getMaximumSize, getMinimumSize, getMousePosition, getPreferredSize, insets, invalidate, isAncestorOf, isFocusCycleRoot, isFocusTraversalPolicyProvider, isFocusTraversalPolicySet, layout, list, locate, minimumSize,

paintComponents, preferredSize, print, printComponents,
processContainerEvent, remove, removeAll, removeContainerListener,
setComponentZOrder, setFocusTraversalKeys, setFocusTraversalPolicy,
setFocusTraversalPolicyProvider, setFont, 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, contains, createImage, createImage, createVolatileImage, createVolatileImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, getBaseline, getBaselineResizeBehavior, getBounds, getBounds, getColorModel, getComponentListeners, getComponentOrientation, getCursor, getDropTarget, getFocusListeners, getFocusTraversalKeysEnabled, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getHeight, getHierarchyBoundsListeners, getHierarchyListeners, getIgnoreRepaint, getInputMethodListeners, getInputMethodRequests, getKeyListeners, getLocation, getLocationOnScreen, getMouseListeners, getMouseMotionListeners, getMousePosition, getMouseWheelListeners, getName, getParent, getPeer, getPropertyChangeListeners, getPropertyChangeListeners, getSize, getSize, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isBackgroundSet, isCursorSet, isDisplayable, isDoubleBuffered, isEnabled, isFocusable, isFocusOwner, isFocusTraversable, isFontSet, isForegroundSet, isLightweight, isMaximumSizeSet, isMinimumSizeSet, isPreferredSizeSet, isValid, isVisible, keyDown, keyUp, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent,  $\verb|processInputMethodEvent|, processKeyEvent|, processMouseEvent|,$ processMouseMotionEvent, processMouseWheelEvent, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removeMouseWheelListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, requestFocus, requestFocusInWindow, requestFocusInWindow, resize, resize, revalidate, setComponentOrientation, setDropTarget, setEnabled, setFocusable, setFocusTraversalKeysEnabled, setForeground, setIgnoreRepaint, setLocale, setMaximumSize, setName, setPreferredSize, show, size, toString, transferFocus, transferFocusBackward, transferFocusUpCycle

# Methods inherited from class java.lang.Object

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

# Methods inherited from interface java.awt.MenuContainer

getFont, postEvent

## **Constructor Detail**

#### **TelaInicial**

public TelaInicial(Tracker tracker)

Construtor da classe. Dimensiona o frame, adiciona fundo e os botões (e seus eventos). Recebe o objeto de Tracker lido do arquivo.

#### **Parameters:**

tracker - objeto lido do arquivo.

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```
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ui

## Class ListarInformacoes

#### **All Implemented Interfaces:**

```
java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable,
javax.accessibility.Accessible, javax.swing.RootPaneContainer,
javax.swing.WindowConstants
```

```
public class ListarInformacoes
extends javax.swing.JFrame
```

Tela que lista todos os itens mapeáveis que estão cadastrados. Para isso, cria, posiciona e dimensiona o frame, adiciona o fundo e, percorrendo a lista de cadastrados, adiciona um painel (JPanel) para cada.

#### See Also:

Serialized Form

# **Nested Class Summary**

#### **Nested Classes**

Modifier and Type	Class and Description
private class	ListarInformacoes.PanelArredondado
	Classe privada que estende JPanel e representa um panel com borda arredondada.

private class ListarInformacoes.PanelMouseListener

Classe privada que estende MouseAdapter.

# Nested classes/interfaces inherited from class javax.swing.JFrame

javax.swing.JFrame.AccessibleJFrame

# Nested classes/interfaces inherited from class java.awt.Frame

java.awt.Frame.AccessibleAWTFrame

# Nested classes/interfaces inherited from class java.awt.Window

java.awt.Window.AccessibleAWTWindow, java.awt.Window.Type

# 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**

(package private) PanelFundo fundo

# Fields inherited from class javax.swing.JFrame

accessibleContext, EXIT\_ON\_CLOSE, rootPane, rootPaneCheckingEnabled

# Fields inherited from class java.awt.Frame

CROSSHAIR\_CURSOR, DEFAULT\_CURSOR, E\_RESIZE\_CURSOR, HAND\_CURSOR, ICONIFIED, MAXIMIZED\_BOTH, MAXIMIZED\_HORIZ, MAXIMIZED\_VERT, MOVE\_CURSOR, N\_RESIZE\_CURSOR, NE\_RESIZE\_CURSOR, NORMAL, NW\_RESIZE\_CURSOR, S\_RESIZE\_CURSOR, SE\_RESIZE\_CURSOR, SW\_RESIZE\_CURSOR, TEXT\_CURSOR, W\_RESIZE\_CURSOR, WAIT\_CURSOR

# Fields inherited from class java.awt.Component

BOTTOM\_ALIGNMENT, CENTER\_ALIGNMENT, LEFT\_ALIGNMENT, RIGHT\_ALIGNMENT, TOP\_ALIGNMENT

## Fields inherited from interface javax.swing.WindowConstants

DISPOSE\_ON\_CLOSE, DO\_NOTHING\_ON\_CLOSE, HIDE\_ON\_CLOSE

## Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

# **Constructor Summary**

#### **Constructors**

#### **Constructor and Description**

ListarInformacoes(Tracker tracker)

Construtor da classe.

# **Method Summary**

#### All Methods Instance Methods Concrete Methods

Modifier and Type Method and Description

Método que, a partir da referencia à Tracker, percorre a lista de cadastrados no sistema e, para cada um deles, cria um painel (JPanel) com informações.

# Methods inherited from class javax.swing.JFrame

addImpl, createRootPane, frameInit, getAccessibleContext, getContentPane, getDefaultCloseOperation, getGlassPane, getGraphics, getJMenuBar, getLayeredPane, getRootPane, getTransferHandler, isDefaultLookAndFeelDecorated, isRootPaneCheckingEnabled, paramString, processWindowEvent, remove, repaint, setContentPane, setDefaultCloseOperation, setDefaultLookAndFeelDecorated, setGlassPane, setIconImage, setJMenuBar, setLayeredPane, setLayout, setRootPane, setRootPaneCheckingEnabled, setTransferHandler, update

# Methods inherited from class java.awt.Frame

addNotify, getCursorType, getExtendedState, getFrames, getIconImage, getMaximizedBounds, getMenuBar, getState, getTitle, isResizable, isUndecorated, remove, removeNotify, setBackground, setCursor, setExtendedState, setMaximizedBounds, setMenuBar, setOpacity, setResizable, setShape, setState, setTitle, setUndecorated

# Methods inherited from class java.awt.Window

addPropertyChangeListener, addPropertyChangeListener, addWindowFocusListener, addWindowStateListener, addWindowStateListener, applyResourceBundle, applyResourceBundle, createBufferStrategy, createBufferStrategy, dispose, getBackground, getBufferStrategy, getFocusableWindowState, getFocusCycleRootAncestor, getFocusOwner, getFocusTraversalKeys, getIconImages, getInputContext, getListeners, getLocale, getModalExclusionType, getMostRecentFocusOwner, getOpacity, getOwnedWindows, getOwner, getOwnerlessWindows, getShape, getToolkit, getType, getWarningString, getWindowFocusListeners, getWindowListeners, getWindowStateListeners, hide, isActive, isAlwaysOnTop,

isAlwaysOnTopSupported, isAutoRequestFocus, isFocusableWindow,
isFocusCycleRoot, isFocused, isLocationByPlatform, isOpaque, isShowing,
isValidateRoot, pack, paint, postEvent, processEvent,
processWindowFocusEvent, processWindowStateEvent,
removeWindowFocusListener, removeWindowListener,
removeWindowStateListener, reshape, setAlwaysOnTop, setAutoRequestFocus,
setBounds, setBounds, setCursor, setFocusableWindowState,
setFocusCycleRoot, setIconImages, setLocation, setLocation,
setLocationByPlatform, setLocationRelativeTo, setMinimumSize,
setModalExclusionType, setSize, setSize, setType, setVisible, show,
toBack, toFront

# Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, applyComponentOrientation,
areFocusTraversalKeysSet, countComponents, deliverEvent, doLayout,
findComponentAt, findComponentAt, getAlignmentX, getAlignmentY,
getComponent, getComponentAt, getComponentAt, getComponentCount,
getComponents, getComponentZOrder, getContainerListeners,
getFocusTraversalPolicy, getInsets, getLayout, getMaximumSize,
getMinimumSize, getMousePosition, getPreferredSize, insets, invalidate,
isAncestorOf, isFocusCycleRoot, isFocusTraversalPolicyProvider,
isFocusTraversalPolicySet, layout, list, list, locate, minimumSize,
paintComponents, preferredSize, print, printComponents,
processContainerEvent, remove, removeAll, removeContainerListener,
setComponentZOrder, setFocusTraversalKeys, setFocusTraversalPolicy,
setFocusTraversalPolicyProvider, setFont, 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, contains, createImage, createImage, createVolatileImage, createVolatileImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, getBaseline, getBaselineResizeBehavior, getBounds, getBounds, getColorModel, getComponentListeners, getComponentOrientation, getCursor, getDropTarget, getFocusListeners, getFocusTraversalKeysEnabled, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getHeight, getHierarchyBoundsListeners, getHierarchyListeners, getIgnoreRepaint, getInputMethodListeners, getInputMethodRequests, getKeyListeners, getLocation, getLocationOnScreen, getMouseListeners, getMouseMotionListeners, getMousePosition, getMouseWheelListeners, getName, getParent, getPeer, getPropertyChangeListeners, getPropertyChangeListeners, getSize, getSize, getTreeLock, getWidth,

getX, getY, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isBackgroundSet, isCursorSet, isDisplayable, isDoubleBuffered, isEnabled, isFocusable, isFocusOwner, isFocusTraversable, isFontSet, isForegroundSet, isLightweight, isMaximumSizeSet, isMinimumSizeSet, isPreferredSizeSet, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processKeyEvent, processMouseEvent, processMouseMotionEvent, processMouseWheelEvent, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removeMouseWheelListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, requestFocus, requestFocus, requestFocusInWindow, requestFocusInWindow, resize, resize, revalidate, setComponentOrientation, setDropTarget, setEnabled, setFocusable, setFocusTraversalKeysEnabled, setForeground, setIgnoreRepaint, setLocale, setMaximumSize, setName, setPreferredSize, 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.MenuContainer

getFont, postEvent

#### Field Detail

#### fundo

PanelFundo fundo

#### **Constructor Detail**

#### ListarInformacoes

Construtor da classe. Cria, posiciona e dimensiona o frame. Adiciona o botão para voltar para a tela inicial. Chama o método que cria os paineis para cadastrados.

#### **Parameters:**

tracker - - referência à Tracker, gerenciador do mapa.

#### Throws:

java.awt.HeadlessException

## **Method Detail**

#### percorreCadastrados

private void percorreCadastrados(Tracker tracker)

Método que, a partir da referencia à Tracker, percorre a lista de cadastrados no sistema e, para cada um deles, cria um painel (JPanel) com informações.

#### **Parameters:**

tracker - - referencia à Tracker, gerenciador do mapa.

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**PREV CLASS NEXT CLASS** FRAMES NO FRAMES ALL CLASSES

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

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

ui

## Class ListarInformacoes.PanelMouseListener

java.lang.Object java.awt.event.MouseAdapter ui.ListarInformacoes.PanelMouseListener

#### All Implemented Interfaces:

java.awt.event.MouseListener, java.awt.event.MouseMotionListener, java.awt.event.MouseWheelListener, java.util.EventListener

#### **Enclosing class:**

ListarInformacoes

private class ListarInformacoes.PanelMouseListener
extends java.awt.event.MouseAdapter

Classe privada que estende MouseAdapter. Trata as ações de entrar/sair do panel (adicionando hover) e clicar (abrindo um frame com informações espcíficas do objeto).

# Field Summary

#### **Fields**

Modifier and Type Field and Description

(package private) java.awt.Color corFundoOriginal

(package private) Tracker tracker

## **Constructor Summary**

#### **Constructors**

#### **Constructor and Description**

PanelMouseListener(java.awt.Color corFundoOriginal, Tracker tracker)

Construtor da classe.

# **Method Summary**

All Methods Instance Methods Concrete Methods

Modifier and Type Method and Description

private void	<pre>criaFrame(Cadastravel objeto)  Método que, a partir de um objeto Cadastravel, cria um frame listando informações detalhadas e específicas ao objeto.</pre>
void	<pre>mouseClicked(java.awt.event.MouseEvent e) Tratamento de evento de mouse clicado.</pre>
void	<pre>mouseEntered(java.awt.event.MouseEvent e) Tratamento de evento de mouse entrando no panel.</pre>
void	<pre>mouseExited(java.awt.event.MouseEvent e) Tratamento de evento de mouse saindo do panel.</pre>

# Methods inherited from class java.awt.event.MouseAdapter

 $\verb|mouseDragged|, \verb|mouseMoved|, \verb|mousePressed|, \verb|mouseReleased|, \verb|mouseWheelMoved||$ 

# Methods inherited from class java.lang.Object

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

# Field Detail

# corFundoOriginal

java.awt.Color corFundoOriginal

# tracker

Tracker tracker

#### Constructor Detail

#### **PanelMouseListener**

Construtor da classe. Recebe a cor do fundo e um objeto de tracker (necessário para a ação de apagar um cadastrado).

#### **Parameters:**

corFundoOriginal -

tracker -

#### **Method Detail**

#### mouseClicked

public void mouseClicked(java.awt.event.MouseEvent e)

Tratamento de evento de mouse clicado. Pega o objeto e chama o método que cria o frame de informações específicas dele.

## Specified by:

mouseClicked in interface java.awt.event.MouseListener

## **Overrides:**

mouseClicked in class java.awt.event.MouseAdapter

#### **Parameters:**

e - MouseEvent

#### mouseEntered

public void mouseEntered(java.awt.event.MouseEvent e)

Tratamento de evento de mouse entrando no panel. Altera a cor do panel para cinza claro.

## Specified by:

mouseEntered in interface java.awt.event.MouseListener

#### **Overrides:**

mouseEntered in class java.awt.event.MouseAdapter

#### **Parameters:**

e - MouseEvent

#### mouseExited

public void mouseExited(java.awt.event.MouseEvent e)

Tratamento de evento de mouse saindo do panel. Altera a cor do panel de novo para a cor original.

## Specified by:

mouseExited in interface java.awt.event.MouseListener

#### **Overrides:**

mouseExited in class java.awt.event.MouseAdapter

#### **Parameters:**

e - MouseEvent

#### criaFrame

private void criaFrame(Cadastravel objeto)

Método que, a partir de um objeto Cadastravel, cria um frame listando informações detalhadas e específicas ao objeto.

#### **Parameters:**

objeto -

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

```
OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP
```

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

ui

## Class ListarInformacoes.PanelArredondado

#### **All Implemented Interfaces:**

```
java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable,
javax.accessibility.Accessible
```

## **Enclosing class:**

ListarInformacoes

```
private class ListarInformacoes.PanelArredondado
extends javax.swing.JPanel
```

Classe privada que estende JPanel e representa um panel com borda arredondada. Qualquer objeto da classe possui um mouse listener (para hover e frame de informações detalhadas).

# **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

(package private) Cadastravel objeto

## 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**

PanelArredondado(java.awt.Color corOriginal, Cadastravel objeto,
Tracker tracker)

## **Method Summary**

#### All Methods Instance Methods Concrete Methods

Modifier and Type Method and Description

protected void paintComponent(java.awt.Graphics g)

Método sobrescrito para fazer as bordas arredondadas.

## 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, getHeight, getInheritsPopupMenu, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPopupLocation, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getTransferHandler, getVerifyInputWhenFocusTarget, getVetoableChangeListeners, getVisibleRect, getWidth, getX, getY, grabFocus, hide, isDoubleBuffered, isLightweightComponent, isManagingFocus, isOpaque, isOptimizedDrawingEnabled, isPaintingForPrint, isPaintingOrigin, isPaintingTile, isRequestFocusEnabled, isValidateRoot, paint, paintBorder, paintChildren, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processKeyBinding, processKeyEvent, processMouseEvent, processMouseMotionEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, 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, 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

# Field Detail

objeto

Cadastravel objeto

#### **Constructor Detail**

#### **PanelArredondado**

#### **Method Detail**

#### paintComponent

protected void paintComponent(java.awt.Graphics g)

Método sobrescrito para fazer as bordas arredondadas. Usa um objeto de **Graphics2D** para preencher o Panel e desenhar a borda com borda radial.

#### **Overrides:**

paintComponent in class javax.swing.JComponent

## **Parameters:**

g - the Graphics object to protect

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

ui

# **Class PanelFundo**

# **All Implemented Interfaces:**

java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable, javax.accessibility.Accessible

```
public class PanelFundo
extends javax.swing.JLayeredPane
```

Classe que representa o painel usado como fundo no sistema. Estende JLayeredPane, o que permite a sobreposição de outros elementos, e possui como atributo a foto de fundo.

#### See Also:

Serialized Form

# **Nested Class Summary**

# Nested classes/interfaces inherited from class javax.swing.JLayeredPane

javax.swing.JLayeredPane.AccessibleJLayeredPane

# 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 java.awt.image.BufferedImage fundo

# Fields inherited from class javax.swing.JLayeredPane

DEFAULT\_LAYER, DRAG\_LAYER, FRAME\_CONTENT\_LAYER, LAYER\_PROPERTY, MODAL\_LAYER, PALETTE\_LAYER, POPUP\_LAYER

# 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**

PanelFundo()

Construtor da classe.

# **Method Summary**

## All Methods Instance Methods Concrete Methods

# Modifier and Type Method and Description

java.awt.image.BufferedImage getFundo()

Método de acesso à imagem de fundo.

Desenha a imagem da maneira desejada para representação.

# Methods inherited from class javax.swing.JLayeredPane

addImpl, getAccessibleContext, getComponentCountInLayer, getComponentsInLayer, getComponentToLayer, getIndexOf, getLayer, getLayer, getLayeredPaneAbove, getObjectForLayer, getPosition, highestLayer, insertIndexForLayer, isOptimizedDrawingEnabled, lowestLayer, moveToBack, moveToFront, paint, paramString, putLayer, remove, removeAll, setLayer, setLayer, setPosition

# Methods inherited from class javax.swing.JComponent

addAncestorListener, addNotify, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, disable, enable, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getActionMap, getAlignmentX, getAlignmentY, getAncestorListeners, getAutoscrolls, getBaseline, getBaselineResizeBehavior, getBorder, getBounds, getClientProperty, getComponentGraphics, getComponentPopupMenu, getConditionForKeyStroke, getDebugGraphicsOptions, getDefaultLocale, getFontMetrics, getGraphics, getHeight, getInheritsPopupMenu, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPopupLocation, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText,

getTopLevelAncestor, getTransferHandler, getUIClassID, getVerifyInputWhenFocusTarget, getVetoableChangeListeners, getVisibleRect, getWidth, getX, getY, grabFocus, hide, isDoubleBuffered, isLightweightComponent, isManagingFocus, isOpaque, isPaintingForPrint, isPaintingOrigin, isPaintingTile, isRequestFocusEnabled, isValidateRoot, paintBorder, paintChildren, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processKeyBinding, processKeyEvent, processMouseEvent, processMouseMotionEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, 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, updateUI

# **Methods inherited from class java.awt.Container**

add, add, add, add, add, addContainerListener, 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, removeContainerListener, setComponentZOrder,
setFocusCycleRoot, setFocusTraversalPolicy,
setFocusTraversalPolicyProvider, setLayout, transferFocusDownCycle,
validate, validateTree

# Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addInputMethodListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseUntener, addMouseWheelListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, createVolatileImage, createVolatileImage, createVolatileImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, 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, 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,  $remove Input Method Listener, \ remove Key Listener, \ remove Mouse Listener,$ removeMouseMotionListener, removeMouseWheelListener, removePropertyChangeListener, removePropertyChangeListener, 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

## Field Detail

#### fundo

private java.awt.image.BufferedImage fundo

#### **Constructor Detail**

#### **PanelFundo**

public PanelFundo()

Construtor da classe. Atribui ao fundo a imagem.

# **Method Detail**

## paintComponent

protected void paintComponent(java.awt.Graphics g)

Desenha a imagem da maneira desejada para representação.

#### **Overrides:**

paintComponent in class javax.swing.JComponent

#### **Parameters:**

g - the Graphics object to protect.

## getFundo

public java.awt.image.BufferedImage getFundo()

Método de acesso à imagem de fundo.

#### **Returns:**

BufferedImage imagem de fundo

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

```
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```

PREV CLASS **NEXT CLASS** FRAMES NO FRAMES ALL CLASSES

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

ui.mapa

# Class MapPane

#### **All Implemented Interfaces:**

java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable, javax.accessibility.Accessible

```
public class MapPane
extends javax.swing.JLayeredPane
implements java.io.Serializable
```

Representa o fundo do mapa, estendendo JLayeredPane para adição de icones sobre o mapa e Serializable para serialização e armazenamento.

#### See Also:

Serialized Form

# **Nested Class Summary**

# Nested classes/interfaces inherited from class javax.swing.JLayeredPane

javax.swing.JLayeredPane.AccessibleJLayeredPane

# 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 java.awt.image.BufferedImage mapa

## Fields inherited from class javax.swing.JLayeredPane

DEFAULT\_LAYER, DRAG\_LAYER, FRAME\_CONTENT\_LAYER, LAYER\_PROPERTY, MODAL\_LAYER, PALETTE\_LAYER, POPUP\_LAYER

# 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**

MapPane()

Construtor da classe.

# **Method Summary**

#### All Methods Instance Methods Concrete Methods

#### Modifier and Type Method and Description

java.awt.Dimension getPreferredSize()

Método de acesso ao tamanho do mapa.

protected void

paintComponent(java.awt.Graphics g)

Método para apresentar a imagem do mapa.

# Methods inherited from class javax.swing.JLayeredPane

addImpl, getAccessibleContext, getComponentCountInLayer, getComponentsInLayer, getComponentToLayer, getIndexOf, getLayer, getLayer, getLayeredPaneAbove, getObjectForLayer, getPosition, highestLayer, insertIndexForLayer, isOptimizedDrawingEnabled, lowestLayer, moveToBack, moveToFront, paint, paramString, putLayer, remove, removeAll, setLayer, setLayer, setPosition

# 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, getHeight, getInheritsPopupMenu, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPopupLocation, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getTransferHandler, getUIClassID, getVerifyInputWhenFocusTarget, getVetoableChangeListeners, getVisibleRect, getWidth, getX, getY, grabFocus, hide, isDoubleBuffered, isLightweightComponent, isManagingFocus, isOpaque, isPaintingForPrint, isPaintingOrigin, isPaintingTile, isRequestFocusEnabled, isValidateRoot, paintBorder, paintChildren, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processKeyBinding, processKeyEvent, processMouseEvent, processMouseMotionEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, 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, updateUI

# Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, 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, 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,  ${\tt getGraphicsConfiguration, getHierarchyBoundsListeners,}$ 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, 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, 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

### Field Detail

#### mapa

private transient java.awt.image.BufferedImage mapa

#### **Constructor Detail**

#### **MapPane**

public MapPane()

Construtor da classe. Atribui a imagem do mapa.

#### **Method Detail**

#### getPreferredSize

public java.awt.Dimension getPreferredSize()

Método de acesso ao tamanho do mapa.

#### **Overrides:**

getPreferredSize in class javax.swing.JComponent

#### **Returns:**

Dimension tamanho do mapa.

### paintComponent

protected void paintComponent(java.awt.Graphics g)

Método para apresentar a imagem do mapa.

## Overrides:

paintComponent in class javax.swing.JComponent

## **Parameters:**

g - the Graphics object to protect

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ui.mapa

# Class Marker<T extends Cadastravel>

java.lang.Object
 java.awt.Component
 java.awt.Container
 javax.swing.JComponent
 javax.swing.JLabel
 ui.mapa.Marker<T>

## **All Implemented Interfaces:**

java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable, javax.accessibility.Accessible, javax.swing.SwingConstants

public class Marker<T extends Cadastravel>
extends javax.swing.JLabel
implements java.io.Serializable

Classe abstrata que representa marcadores de mapa, estendendo JLabel. Possui como atributos o objeto que representa e seu ícone.

#### See Also:

Serialized Form

# **Nested Class Summary**

# Nested classes/interfaces inherited from class javax.swing.JLabel

javax.swing.JLabel.AccessibleJLabel

# 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 javax.swing.ImageIcon imagem

private T objeto

# Fields inherited from class javax.swing.JLabel

labelFor

# 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 javax.swing.SwingConstants

BOTTOM, CENTER, EAST, HORIZONTAL, LEADING, LEFT, NEXT, NORTH, NORTH\_EAST, NORTH\_WEST, PREVIOUS, RIGHT, SOUTH, SOUTH\_EAST, SOUTH\_WEST, TOP, TRAILING, VERTICAL, WEST

# Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

# **Constructor Summary**

#### **Constructors**

### **Constructor and Description**

Marker(T objeto)

Construtor da classe.

# **Method Summary**

### All Methods Instance Methods Concrete Methods

Modifier and Type	Method and Description
javax.swing.ImageIcon	<pre>getImagem()</pre>
	Método de acesso à imagem.
Т	<pre>getObjeto()</pre>
	Método de acesso ao objeto armazenado.
void	<pre>setObjeto(T objeto)</pre>
	Método de modificação do objeto armazenado.

# Methods inherited from class javax.swing.JLabel

checkHorizontalKey, checkVerticalKey, getAccessibleContext,
getDisabledIcon, getDisplayedMnemonic, getDisplayedMnemonicIndex,
getHorizontalAlignment, getHorizontalTextPosition, getIcon,
getIconTextGap, getLabelFor, getText, getUI, getUIClassID,
getVerticalAlignment, getVerticalTextPosition, imageUpdate, paramString,
setDisabledIcon, setDisplayedMnemonic, setDisplayedMnemonic,
setDisplayedMnemonicIndex, setHorizontalAlignment,
setHorizontalTextPosition, setIcon, setIconTextGap, setLabelFor, setText,
setUI, setVerticalAlignment, setVerticalTextPosition, 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, getHeight, getInheritsPopupMenu, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPopupLocation, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getTransferHandler, getVerifyInputWhenFocusTarget, getVetoableChangeListeners, getVisibleRect, getWidth, 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, processMouseMotionEvent, 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,  ${\tt getGraphicsConfiguration,\ getHierarchyBoundsListeners,}$ getHierarchyListeners, getIgnoreRepaint, getInputContext, getInputMethodListeners, getInputMethodRequests, getKeyListeners, getLocale, getLocation, getLocationOnScreen, getMouseListeners, getMouseMotionListeners, getMousePosition, getMouseWheelListeners, getName, getParent, getPeer, getPropertyChangeListeners, getPropertyChangeListeners, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, hasFocus, inside, isBackgroundSet, isCursorSet, isDisplayable, isEnabled, isFocusable, isFocusOwner, isFocusTraversable, isFontSet, isForegroundSet, isLightweight, isMaximumSizeSet, isMinimumSizeSet, isPreferredSizeSet, isShowing, isValid, isVisible, keyDown, keyUp, 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,

# Field Detail

objeto

private T extends Cadastravel objeto

### imagem

private javax.swing.ImageIcon imagem

#### **Constructor Detail**

#### Marker

public Marker(T objeto)

Construtor da classe. Recebe o objeto (Cadastravel) que o marcador representa e armazena ele e sua imagem.

#### **Parameters:**

objeto - objeto que o marcador representa.

### **Method Detail**

# getObjeto

public T getObjeto()

Método de acesso ao objeto armazenado.

### **Returns:**

T objeto que estende Cadastravel.

## setObjeto

public void setObjeto(T objeto)

Método de modificação do objeto armazenado.

#### **Parameters:**

objeto - objeto que estende Cadastravel.

### getlmagem

public javax.swing.ImageIcon getImagem()

Método de acesso à imagem.

### **Returns:**

ImageIcon imagem do objeto.

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ui.mapa

### **Class Tracker**

java.lang.Object java.awt.Component java.awt.Container javax.swing.JComponent javax.swing.JPanel ui.mapa.Tracker

#### **All Implemented Interfaces:**

java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable, javax.accessibility.Accessible

```
public class Tracker
extends javax.swing.JPanel
implements java.io.Serializable
```

Classe responsável por controlar mapa e cadastros. Possui como atributos o frame, o MapPane (fundo do mapa) e uma lista de Markers cadastrados. Permite o cadastro de Markers, adicionando-os à tela (ao mapa). Implemente Serializable, o que permite sua serialização e armazenamento.

#### 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 javax.swing.JFrame frame

private java.util.ArrayList<Marker> markers

private MapPane paneMapa

# 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**

Tracker()

## **Method Summary**

### All Methods Instance Methods Concrete Methods

# Modifier and Type Method and Description

<T extends Cadastravel> cadastrar(T objeto)

Void Métada para cadastro da paya

Método para cadastro de novos markers.

<T extends Cadastravel> excluir(T objeto)

void

javax.swing.JFrame getFrame()

Método de acesso ao frame do mapa.

java.util.ArrayList<Marker> getMarkers()

Método de acesso à ArrayList de markers.

MapPane getPaneMapa()

Método de acesso ao panel do mapa.

void refresh()

Adiciona ao mapa todos os Markers cadastrados.

void
 run()

Instancia objetos de MapPane e de JFrame, dimensionando e

organizando a tela.

void setMarkers(java.util.ArrayList<Marker> markers)

Método de mpdificação da ArrayList de markers.

Método de modificação do panel do mapa.

# 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, getHeight, getInheritsPopupMenu, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPopupLocation, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getTransferHandler, getVerifyInputWhenFocusTarget, getVetoableChangeListeners, getVisibleRect, getWidth, 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, processMouseMotionEvent, 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, 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

### Field Detail

#### frame

private javax.swing.JFrame frame

#### paneMapa

private MapPane paneMapa

#### markers

private java.util.ArrayList<Marker> markers

#### **Constructor Detail**

#### **Tracker**

public Tracker()

### **Method Detail**

#### run

public void run()

Instancia objetos de MapPane e de JFrame, dimensionando e organizando a tela. Chama o método privado refresh, que percorre os markers cadastrados e adiciona ao mapa.

#### cadastrar

public <T extends Cadastravel> void cadastrar(T objeto)

Método para cadastro de novos markers. Recebe o objeto a ser cadastrado e instancia um Marker, define o texto de foco com a descrição curta do objeto e o posiciona nas coordenadas determinadas.

#### **Parameters:**

objeto - obejto que estende a classe Cadastravel.

#### refresh

public void refresh()

Adiciona ao mapa todos os Markers cadastrados.

#### excluir

public <T extends Cadastravel> void excluir(T objeto)

#### getFrame

public javax.swing.JFrame getFrame()

Método de acesso ao frame do mapa.

#### **Returns:**

Jframe frame do mapa.

### getPaneMapa

public MapPane getPaneMapa()

Método de acesso ao panel do mapa.

#### **Returns:**

MapPane panel do mapa..

#### setPaneMapa

public void setPaneMapa(MapPane paneMapa)

Método de modificação do panel do mapa.

#### **Parameters:**

paneMapa - objeto de MapPane, panel do mapa.

### getMarkers

public java.util.ArrayList<Marker> getMarkers()

Método de acesso à ArrayList de markers.

#### **Returns:**

markers, ArrayList

#### setMarkers

public void setMarkers(java.util.ArrayList<Marker> markers)

Método de mpdificação da ArrayList de markers.

#### **Parameters:**

markers - nova ArrayList

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ui

### **Class Cadastrar**

```
java.lang.Object
    java.awt.Component
    java.awt.Container
    java.awt.Window
    java.awt.Frame
    javax.swing.JFrame
    ui.Cadastrar
```

#### **All Implemented Interfaces:**

```
java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable,
javax.accessibility.Accessible, javax.swing.RootPaneContainer,
javax.swing.WindowConstants
```

```
public class Cadastrar
extends javax.swing.JFrame
```

Tela de cadastro de objeto ao sistema. Apresenta opções de cadastro e campos específicos a partir da opção feita.

#### See Also:

Serialized Form

# **Nested Class Summary**

# Nested classes/interfaces inherited from class javax.swing.JFrame

javax.swing.JFrame.AccessibleJFrame

# Nested classes/interfaces inherited from class java.awt.Frame

java.awt.Frame.AccessibleAWTFrame

## Nested classes/interfaces inherited from class java.awt.Window

java.awt.Window.AccessibleAWTWindow, java.awt.Window.Type

### 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 java.awt.CardLayout cardlayout

(package private) javax.swing.JPanel cardPanel

private java.lang.String[] itens

private javax.swing.JComboBox<java.lang.String> itensBox

# Fields inherited from class javax.swing.JFrame

accessibleContext, EXIT\_ON\_CLOSE, rootPane, rootPaneCheckingEnabled

# Fields inherited from class java.awt.Frame

CROSSHAIR\_CURSOR, DEFAULT\_CURSOR, E\_RESIZE\_CURSOR, HAND\_CURSOR, ICONIFIED, MAXIMIZED\_BOTH, MAXIMIZED\_HORIZ, MAXIMIZED\_VERT, MOVE\_CURSOR, N\_RESIZE\_CURSOR, NE\_RESIZE\_CURSOR, NORMAL, NW\_RESIZE\_CURSOR, S\_RESIZE\_CURSOR, SE\_RESIZE\_CURSOR, SW\_RESIZE\_CURSOR, TEXT\_CURSOR, W\_RESIZE\_CURSOR, WAIT\_CURSOR

## Fields inherited from class java.awt.Component

BOTTOM\_ALIGNMENT, CENTER\_ALIGNMENT, LEFT\_ALIGNMENT, RIGHT\_ALIGNMENT, TOP ALIGNMENT

### Fields inherited from interface javax.swing.WindowConstants

DISPOSE\_ON\_CLOSE, DO\_NOTHING\_ON\_CLOSE, HIDE\_ON\_CLOSE

## Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

# **Constructor Summary**

#### **Constructors**

### **Constructor and Description**

Cadastrar(Tracker tracker)

# **Method Summary**

### All Methods Instance Methods Concrete Methods

### Modifier and Type Method and Description

private javax.swing.JPanel checkbox()

Estrutura básica do combobox tipo, que apresenta os tipos

private javax.swing.JPanel form(java.lang.String selecionado,

**Tracker** tracker)

Retorna um Jpanel com os campos específicos de cada classe.

Função para inializar a tela, segue o padrão das outras classes.

# Methods inherited from class javax.swing.JFrame

addImpl, createRootPane, frameInit, getAccessibleContext, getContentPane, getDefaultCloseOperation, getGlassPane, getGraphics, getJMenuBar, getLayeredPane, getRootPane, getTransferHandler, isDefaultLookAndFeelDecorated, isRootPaneCheckingEnabled, paramString, processWindowEvent, remove, repaint, setContentPane, setDefaultCloseOperation, setDefaultLookAndFeelDecorated, setGlassPane, setIconImage, setJMenuBar, setLayeredPane, setLayout, setRootPane, setRootPaneCheckingEnabled, setTransferHandler, update

## Methods inherited from class java.awt.Frame

addNotify, getCursorType, getExtendedState, getFrames, getIconImage, getMaximizedBounds, getMenuBar, getState, getTitle, isResizable, isUndecorated, remove, removeNotify, setBackground, setCursor, setExtendedState, setMaximizedBounds, setMenuBar, setOpacity, setResizable, setShape, setState, setTitle, setUndecorated

### Methods inherited from class java.awt.Window

addPropertyChangeListener, addPropertyChangeListener, addWindowFocusListener, addWindowListener, addWindowStateListener, applyResourceBundle, applyResourceBundle, createBufferStrategy, createBufferStrategy, dispose, getBackground, getBufferStrategy, getFocusableWindowState, getFocusCycleRootAncestor, getFocusOwner, getFocusTraversalKeys, getIconImages, getInputContext, getListeners, getLocale, getModalExclusionType, getMostRecentFocusOwner, getOpacity, getOwnedWindows, getOwner, getOwnerlessWindows, getShape, getToolkit,

getType, getWarningString, getWindowFocusListeners, getWindowListeners,
getWindows, getWindowStateListeners, hide, isActive, isAlwaysOnTop,
isAlwaysOnTopSupported, isAutoRequestFocus, isFocusableWindow,
isFocusCycleRoot, isFocused, isLocationByPlatform, isOpaque, isShowing,
isValidateRoot, pack, paint, postEvent, processEvent,
processWindowFocusEvent, processWindowStateEvent,
removeWindowFocusListener, removeWindowListener,
removeWindowStateListener, reshape, setAlwaysOnTop, setAutoRequestFocus,
setBounds, setBounds, setCursor, setFocusableWindowState,
setFocusCycleRoot, setIconImages, setLocation, setLocation,
setLocationByPlatform, setLocationRelativeTo, setMinimumSize,
setModalExclusionType, setSize, setSize, setType, setVisible, show,
toBack, toFront

# Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, applyComponentOrientation,
areFocusTraversalKeysSet, countComponents, deliverEvent, doLayout,
findComponentAt, findComponentAt, getAlignmentX, getAlignmentY,
getComponent, getComponentAt, getComponentAt, getComponentCount,
getComponents, getComponentZOrder, getContainerListeners,
getFocusTraversalPolicy, getInsets, getLayout, getMaximumSize,
getMinimumSize, getMousePosition, getPreferredSize, insets, invalidate,
isAncestorOf, isFocusCycleRoot, isFocusTraversalPolicyProvider,
isFocusTraversalPolicySet, layout, list, list, locate, minimumSize,
paintComponents, preferredSize, print, printComponents,
processContainerEvent, remove, removeAll, removeContainerListener,
setComponentZOrder, setFocusTraversalKeys, setFocusTraversalPolicy,
setFocusTraversalPolicyProvider, setFont, 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, contains, createImage, createImage, createVolatileImage, createVolatileImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, getBaseline, getBaselineResizeBehavior, getBounds, getBounds, getColorModel, getComponentListeners, getComponentOrientation, getCursor, getDropTarget, getFocusListeners, getFocusTraversalKeysEnabled, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getHeight, getHierarchyBoundsListeners, getHierarchyListeners, getIgnoreRepaint, getInputMethodListeners, getInputMethodRequests, getKeyListeners, getLocation, getLocationOnScreen, getMouseListeners, getMouseMotionListeners, getMousePosition, getMouseWheelListeners,

getName, getParent, getPeer, getPropertyChangeListeners, getPropertyChangeListeners, getSize, getSize, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isBackgroundSet, isCursorSet, isDisplayable, isDoubleBuffered, isEnabled, isFocusable, isFocusOwner, isFocusTraversable, isFontSet, isForegroundSet, isLightweight, isMaximumSizeSet, isMinimumSizeSet, isPreferredSizeSet, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processKeyEvent, processMouseEvent, processMouseMotionEvent, processMouseWheelEvent, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removeMouseWheelListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, requestFocus, requestFocusInWindow, requestFocusInWindow, resize, resize, revalidate, setComponentOrientation, setDropTarget, setEnabled, setFocusable, setFocusTraversalKeysEnabled, setForeground, setIgnoreRepaint, setLocale, setMaximumSize, setName, setPreferredSize, 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.MenuContainer

getFont, postEvent

### Field Detail

#### cardlayout

private java.awt.CardLayout cardlayout

### cardPanel

javax.swing.JPanel cardPanel

#### select

private javax.swing.JLabel select

#### itens

private java.lang.String[] itens

### itensBox

private javax.swing.JComboBox<java.lang.String> itensBox

## **Constructor Detail**

#### Cadastrar

### Throws:

java.awt.HeadlessException

# **Method Detail**

#### inicializarTela

private void inicializarTela()

Função para inializar a tela, segue o padrão das outras classes.

### checkbox

private javax.swing.JPanel checkbox()

Estrutura básica do combobox tipo, que apresenta os tipos

#### **Returns:**

#### form

Retorna um Jpanel com os campos específicos de cada classe. É chamado no acionListener do botão tipo.

#### **Parameters:**

selecionado -

tracker -

### **Returns:**

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

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

componentes

# **Interface Mapeavel**

#### **All Known Implementing Classes:**

Ameaca, Blitz, Cadastravel, Combate, Marcha, Patrulha, Rebeldes, Recebimento

## public interface Mapeavel

Interface que determina métodos necessários para representação de um objeto em um mapa (como coordenadas, caminho do ícone do marcador e descrição).

# **Method Summary**

All Methods Ins	tance Methods Abstract Methods
Modifier and Type	Method and Description
java.lang.String	<pre>getCaminhoImagem()  Método de acesso caminho da imagem do objeto no mapa.</pre>
int	<pre>getCoordenadaX()</pre> Método de acesso à coordenada X do objeto no mapa.
int	getCoordenadaY() Método de acesso à coordenada Y do objeto no mapa.
java.lang.String	<pre>getDescricaoCurta() Método de acesso à descrição do objeto no mapa.</pre>
void	<pre>setCoordenadaX(int coordX) Método de modificação da coordenada X do objeto no mapa.</pre>
void	<pre>setCoordenadaY(int coordY) Método de modificação da coordenada Y do objeto no mapa.</pre>

## **Method Detail**

### getCoordenadaX

int getCoordenadaX()

Método de acesso à coordenada X do objeto no mapa.

#### **Returns:**

int coordenada X.

#### setCoordenadaX

void setCoordenadaX(int coordX)

Método de modificação da coordenada X do objeto no mapa.

#### **Parameters:**

coordX - nova coordenada X do objeto.

## getCoordenadaY

int getCoordenadaY()

Método de acesso à coordenada Y do objeto no mapa.

#### **Returns:**

int coordenada Y.

#### setCoordenadaY

void setCoordenadaY(int coordY)

Método de modificação da coordenada Y do objeto no mapa.

#### **Parameters:**

coordY - nova coordenada Y do objeto.

### getCaminholmagem

java.lang.String getCaminhoImagem()

Método de acesso caminho da imagem do objeto no mapa.

# Returns:

String caminho da imagem.

### getDescricaoCurta

java.lang.String getDescricaoCurta()

Método de acesso à descrição do objeto no mapa.

#### **Returns:**

String descrição.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP
PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

componentes

### Class Cadastravel

java.lang.Object componentes.Cadastravel

#### **All Implemented Interfaces:**

Mapeavel, java.io.Serializable

#### **Direct Known Subclasses:**

Ameaca, Rebeldes

```
public abstract class Cadastravel
extends java.lang.Object
implements Mapeavel, java.io.Serializable
```

Classe abstrata que representa um objeto que pode ser cadastrado no sistema. Implementa a interface Mapeavel, o que permite a representação do objeto via mapa, e Serializable, para serialização e armazenamento.

#### See Also:

Serialized Form

## Field Summary

### **Fields**

Modifier and Type Field and Description

private int coordenadaX

private int coordenadaY

private java.lang.String descricaoLonga

private int numeros

# **Constructor Summary**

### **Constructors**

### **Constructor and Description**

Cadastravel(int coordenadaX, int coordenadaY,
java.lang.String descricaoLonga, int numeros)
Construtor da classe.

# **Method Summary**

All Methods	Instance Methods	Abstract Methods	Concrete Methods

Modifier and Type Method and Description

int getCoordenadaX()

Método da interface de acesso à coordenada X cadastrada.

int getCoordenadaY()

Método da interface de acesso à coordenada Y cadastrada.

java.lang.String getDescricaoLonga()

Método de acesso à descrição cadastrada.

abstract java.lang.String getNomeClasse()

Método abstrato que retorna o nome da classe.

int getNumeros()

Método de acesso do número cadastrado.

void setCoordenadaX(int coordenadaX)

Método da interface de modificação da coordenada X cadastrada.

void setCoordenadaY(int coordenadaY)

Método da interface de mdoficação da coordenada Y cadastrada.

void **setDescricaoLonga**(java.lang.String descricaoLonga)

Método de modificação da descrição cadastrada.

Método de modificação do número cadastrado.

## Methods inherited from class java.lang.Object

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

## Methods inherited from interface componentes. Mapeavel

getCaminhoImagem, getDescricaoCurta

### Field Detail

#### coordenadaX

private int coordenadaX

### coordenadaY

private int coordenadaY

### descricaoLonga

private java.lang.String descricaoLonga

#### numeros

private int numeros

### **Constructor Detail**

#### **Cadastravel**

Construtor da classe. Recebe como parâmetros os atributos do básicos para cadastro e realiza a atribuição.

#### **Parameters:**

```
coordenadaX - coordenada X no mapa.
coordenadaY - coordenada Y no mapa.
descricaoLonga - decsrição sobre o objeto.
numeros - quantidade de representantes.
```

# **Method Detail**

### getCoordenadaX

public int getCoordenadaX()

Método da interface de acesso à coordenada X cadastrada.

### Specified by:

getCoordenadaX in interface Mapeavel

#### **Returns:**

coordenada X.

#### setCoordenadaX

public void setCoordenadaX(int coordenadaX)

Método da interface de modificação da coordenada X cadastrada.

### Specified by:

setCoordenadaX in interface Mapeavel

#### **Parameters:**

coordenadaX - nova coordenada X.

#### getCoordenadaY

public int getCoordenadaY()

Método da interface de acesso à coordenada Y cadastrada.

### Specified by:

getCoordenadaY in interface Mapeavel

#### Returns:

coordenada Y.

#### setCoordenadaY

public void setCoordenadaY(int coordenadaY)

Método da interface de mdoficação da coordenada Y cadastrada.

#### Specified by:

setCoordenadaY in interface Mapeavel

#### **Parameters:**

coordenadaY - nova coordenada Y.

### getDescricaoLonga

public java.lang.String getDescricaoLonga()

Método de acesso à descrição cadastrada.

#### **Returns:**

String descrição cadastrada.

#### setDescricaoLonga

public void setDescricaoLonga(java.lang.String descricaoLonga)

Método de modificação da descrição cadastrada.

#### **Parameters:**

descricaoLonga - nova descrição.

### getNumeros

public int getNumeros()

Método de acesso do número cadastrado.

#### Returns:

número cadastrado.

#### setNumeros

public void setNumeros(int numeros)

Método de modificação do número cadastrado.

#### **Parameters:**

numeros - novo número.

### getNomeClasse

public abstract java.lang.String getNomeClasse()

Método abstrato que retorna o nome da classe.

#### **Returns:**

String nome da classe.

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PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

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

componentes

# **Class Recebimento**

java.lang.Object componentes.Cadastravel componentes.Ameaca componentes.Recebimento

#### **All Implemented Interfaces:**

Mapeavel, java.io.Serializable

# public class Recebimento extends Ameaca

Classe que representa um evento de Combate. Estende Ameaca por representar uma ameaça aos rebeldes e possui atributos próprios específicos, como o tipo de carga recebida e seu peso.

#### See Also:

Serialized Form

# Field Summary

#### **Fields**

Modifier and Type	Field and Description
private java.lang.String	caminhoImagem
private java.lang.String	carga
private java.lang.String	descricaoCurta
private double	peso

## **Constructor Summary**

### **Constructors**

## **Constructor and Description**

```
Recebimento(int coordenadaX, int coordenadaY, java.lang.String descricaoLonga, int numeros, java.lang.String gravidade, java.lang.String carga, double peso)

Construtor da classe.
```

# **Method Summary**

# All Methods Instance Methods Concrete Methods

Modifier and Type	Method and Description
java.lang.String	<pre>getCaminhoImagem()</pre> Método da interface de acesso ao caminho da imagem de Recebimento.
java.lang.String	getCarga ( )  Método de acesso ao tipo de carga do recebimento.
java.lang.String	<pre>getDescricaoCurta() Método da interface de acesso à descrição genérica da classe.</pre>
java.lang.String	<pre>getNomeClasse() Método de Cadastravel de acesso ao nome da classe.</pre>
double	getPeso() Método de acesso ao peso da carga.
void	<pre>setCarga(java.lang.String carga) Método de modificação da carga do recebimento.</pre>
void	<pre>setPeso(double peso) Método de modificação ao peso da carga.</pre>

# Methods inherited from class componentes. Ameaca

getGravidade, setGravidade

# Methods inherited from class componentes. Cadastravel

getCoordenadaX, getCoordenadaY, getDescricaoLonga, getNumeros, setCoordenadaX, setCoordenadaY, setDescricaoLonga, setNumeros

# Methods inherited from class java.lang.Object

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

### Field Detail

#### carga

private java.lang.String carga

#### peso

private double peso

### caminholmagem

private final java.lang.String caminhoImagem

#### descricaoCurta

private final java.lang.String descricaoCurta

### **Constructor Detail**

#### Recebimento

Construtor da classe. Recebe como parâmetros os atributos do objeto e realiza a atribuição. Acrescenta o caminho do ícone que representa a classe e a descrição da ameaça, atributos constantes compartilhados por todas as instancias da classe.

### **Parameters:**

```
coordenadaX - coordenada X no mapa.

coordenadaY - coordenada Y no mapa.

descricaoLonga - descrição específica da ameaça.

numeros - quantidade de representantes da ameaça.

gravidade - gravidade da ameaça.

carga - tipo de carga recebida.

peso - peso da carga.
```

### **Method Detail**

### getCarga

```
public java.lang.String getCarga()
```

Método de acesso ao tipo de carga do recebimento.

#### **Returns:**

String tipo de carga.

## setCarga

public void setCarga(java.lang.String carga)

Método de modificação da carga do recebimento.

#### **Parameters:**

carga - nova carga.

# getPeso

public double getPeso()

Método de acesso ao peso da carga.

#### **Returns:**

double peso.

#### setPeso

public void setPeso(double peso)

Método de modificação ao peso da carga.

## **Parameters:**

peso - novo peso.

# getCaminholmagem

public java.lang.String getCaminhoImagem()

Método da interface de acesso ao caminho da imagem de Recebimento.

## **Returns:**

String caminho da imagem.

#### getDescricaoCurta

public java.lang.String getDescricaoCurta()

Método da interface de acesso à descrição genérica da classe.

# **Returns:**

String descrição genérica de recebimento de carga.

## getNomeClasse

public java.lang.String getNomeClasse()

Método de Cadastravel de acesso ao nome da classe.

# Specified by:

getNomeClasse in class Cadastravel

# **Returns:**

String nome da classe.

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**PREV CLASS** NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

componentes

# **Class Rebeldes**

java.lang.Object componentes.Cadastravel componentes.Rebeldes

# **All Implemented Interfaces:**

Mapeavel, java.io.Serializable

public class Rebeldes
extends Cadastravel

Classe que representa os grupos rebeldes. Estende Cadastravel, sendo cadastrável no sistema e representável no mapa, e possui sua própria imagem.

## See Also:

Serialized Form

# Field Summary

#### **Fields**

Modifier and Type Field and Description

private java.lang.String caminhoImagem

private java.lang.String descricaoCurta

# **Constructor Summary**

## **Constructors**

# **Constructor and Description**

**Rebeldes**(int coordenadaX, int coordenadaY, java.lang.String descricaoLonga, int numeros)
Construtor da classe.

# Method Summary

All Methods Instance Methods Concrete Methods

Modifier and Type Method and Description

```
java.lang.String getCaminhoImagem()
```

Método da interface de acesso ao caminho da imagem de grupo rebelde.

java.lang.String getDescricaoCurta()

Método da interface de acesso à descrição genérica da classe.

java.lang.String getNomeClasse()

Método de Cadastravel de acesso ao nome da classe.

# Methods inherited from class componentes. Cadastravel

```
getCoordenadaX, getCoordenadaY, getDescricaoLonga, getNumeros,
setCoordenadaX, setCoordenadaY, setDescricaoLonga, setNumeros
```

# Methods inherited from class java.lang.Object

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

## Field Detail

## caminholmagem

private final java.lang.String caminhoImagem

#### descricaoCurta

private final java.lang.String descricaoCurta

## **Constructor Detail**

## Rebeldes

Construtor da classe. Recebe como parâmetros os atributos do objeto e realiza a atribuição. Acrescenta o caminho do ícone que representa a classe e a descrição da ameaça, atributos constantes compartilhados por todas as instancias da classe

## **Parameters:**

```
coordenadaX - coordenada X no mapa.
coordenadaY - coordenada Y no mapa.
```

descricaoLonga - descrição específica do grupo rebelde. numeros - quantidade de representantes do grupo.

# **Method Detail**

# getNomeClasse

public java.lang.String getNomeClasse()

Método de Cadastravel de acesso ao nome da classe.

## Specified by:

getNomeClasse in class Cadastravel

#### **Returns:**

String nome da classe.

## getCaminholmagem

public java.lang.String getCaminhoImagem()

Método da interface de acesso ao caminho da imagem de grupo rebelde.

#### **Returns:**

String caminho da imagem.

# getDescricaoCurta

public java.lang.String getDescricaoCurta()

Método da interface de acesso à descrição genérica da classe.

## **Returns:**

String descrição genérica de rebeldes.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

componentes

# **Class Patrulha**

java.lang.Object componentes.Cadastravel componentes.Ameaca componentes.Patrulha

## **All Implemented Interfaces:**

Mapeavel, java.io.Serializable

# public class **Patrulha**

extends Ameaca

Representa um evento de patrulha. Estende Ameaca por representar uma ameaça aos rebeldes e possui atributos próprios específicos, como seu tipo.

#### See Also:

Serialized Form

# Field Summary

#### **Fields**

# Modifier and Type Field and Description

```
private java.lang.String caminhoImagem
private java.lang.String descricaoCurta
private java.lang.String tipo
```

# **Constructor Summary**

## **Constructors**

## **Constructor and Description**

Patrulha(int coordenadaX, int coordenadaY,
java.lang.String descricaoLonga, int numeros, java.lang.String gravidade,
java.lang.String tipo)

Construtor da classe.

# **Method Summary**

All Methods Ins	stance Methods Concrete Methods
Modifier and Type	Method and Description
java.lang.String	<pre>getCaminhoImagem()</pre> Método da interface de acesso ao caminho da imagem de Patrulha.
java.lang.String	<pre>getDescricaoCurta()</pre> Método da interface de acesso à descrição genérica da classe.
java.lang.String	<pre>getNomeClasse() Método de Cadastravel de acesso ao nome da classe.</pre>
java.lang.String	getTipo() Método de acesso ao tipo da patrulha.
void	<pre>setTipo(java.lang.String tipo) Método de modificação do tipo da patrulha.</pre>

# Methods inherited from class componentes. Ameaca

getGravidade, setGravidade

# Methods inherited from class componentes. Cadastravel

getCoordenadaX, getCoordenadaY, getDescricaoLonga, getNumeros, setCoordenadaX, setCoordenadaY, setDescricaoLonga, setNumeros

# Methods inherited from class java.lang.Object

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

# Field Detail

## caminholmagem

private final java.lang.String caminhoImagem

## tipo

private java.lang.String tipo

## descricaoCurta

private final java.lang.String descricaoCurta

## **Constructor Detail**

#### **Patrulha**

Construtor da classe. Recebe como parâmetros os atributos do objeto e realiza a atribuição. Acrescenta o caminho do ícone que representa a classe e a descrição da ameaça, atributos constantes compartilhados por todas as instancias da classe.

#### **Parameters:**

```
coordenadaX - coordenada X no mapa.
coordenadaY - coordenada Y no mapa.
descricaoLonga - descrição específica da ameaça.
numeros - quantidade de representantes da ameaça.
gravidade - gravidade da ameaça.
tipo - tipo da patrulha.
```

## **Method Detail**

getTipo

```
public java.lang.String getTipo()
```

Método de acesso ao tipo da patrulha.

## **Returns:**

String tipo da patrulha.

## setTipo

```
public void setTipo(java.lang.String tipo)
```

Método de modificação do tipo da patrulha.

## **Parameters:**

tipo - novo tipo.

## getCaminholmagem

```
public java.lang.String getCaminhoImagem()
```

Método da interface de acesso ao caminho da imagem de Patrulha.

#### **Returns:**

String caminho da imagem.

# getDescricaoCurta

```
public java.lang.String getDescricaoCurta()
```

Método da interface de acesso à descrição genérica da classe.

## **Returns:**

String descrição genérica de patrulha.

# getNomeClasse

```
public java.lang.String getNomeClasse()
```

Método de Cadastravel de acesso ao nome da classe.

## Specified by:

getNomeClasse in class Cadastravel

## **Returns:**

String nome da classe.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

componentes

# Class Marcha

java.lang.Object componentes.Cadastravel componentes.Ameaca componentes.Marcha

## **All Implemented Interfaces:**

Mapeavel, java.io.Serializable

public class Marcha
extends Ameaca

Classe que representa uma operação de marcha. Estende Ameaca por representar uma ameaça aos rebeldes e possui atributos próprios específicos, como o tamanho da marcha.

#### See Also:

Serialized Form

# Field Summary

#### **Fields**

Modifier and Type Field and Description

private java.lang.String caminhoImagem

private java.lang.String descricaoCurta

private double tamanhoMarcha

# **Constructor Summary**

## **Constructors**

# **Constructor and Description**

Marcha(int coordenadaX, int coordenadaY, java.lang.String descricaoLonga, int numeros, java.lang.String gravidade, double tamanhoMarcha)

Construtor da classe.

# **Method Summary**

All Methods Ins	stance Methods Concrete Methods
Modifier and Type	Method and Description
java.lang.String	<pre>getCaminhoImagem()</pre> Método da interface de acesso ao caminho da imagem de Combate.
java.lang.String	<pre>getDescricaoCurta() Método da interface de acesso à descrição genérica da classe.</pre>
java.lang.String	<pre>getNomeClasse() Método de Cadastravel de acesso ao nome da classe.</pre>
double	<pre>getTamanhoMarcha()</pre> Método de acesso ao tamanho da marcha.
void	<pre>setTamanhoMarcha(double tamanhoMarcha) Método de modificação do tamanho da marcha.</pre>

# Methods inherited from class componentes. Ameaca

getGravidade, setGravidade

# Methods inherited from class componentes. Cadastravel

getCoordenadaX, getCoordenadaY, getDescricaoLonga, getNumeros, setCoordenadaX, setCoordenadaY, setDescricaoLonga, setNumeros

# Methods inherited from class java.lang.Object

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

# Field Detail

## caminholmagem

private final java.lang.String caminhoImagem

#### descricaoCurta

private final java.lang.String descricaoCurta

## tamanhoMarcha

private double tamanhoMarcha

## **Constructor Detail**

#### Marcha

Construtor da classe. Recebe como parâmetros os atributos do objeto e realiza a atribuição. Acrescenta o caminho do ícone que representa a classe e a descrição da ameaça, atributos constantes compartilhados por todas as instancias da classe.

#### **Parameters:**

```
coordenadaX - coordenada X no mapa.
coordenadaY - coordenada Y no mapa.
descricaoLonga - descrição específica da ameaça.
numeros - quantidade de representantes da ameaça.
gravidade - gravidade da ameaça.
tamanhoMarcha - tamanho da marcha realizada em km.
```

## **Method Detail**

#### getTamanhoMarcha

public double getTamanhoMarcha()

Método de acesso ao tamanho da marcha.

## **Returns:**

tamanho da marcha em KM.

#### setTamanhoMarcha

public void setTamanhoMarcha(double tamanhoMarcha)

Método de modificação do tamanho da marcha.

#### **Parameters:**

tamanhoMarcha - novo tamanho da marcha.

## getCaminholmagem

public java.lang.String getCaminhoImagem()

Método da interface de acesso ao caminho da imagem de Combate.

#### **Returns:**

String caminho da imagem.

# getDescricaoCurta

public java.lang.String getDescricaoCurta()

Método da interface de acesso à descrição genérica da classe.

## **Returns:**

String descrição genérica de marcha.

# getNomeClasse

public java.lang.String getNomeClasse()

Método de Cadastravel de acesso ao nome da classe.

# Specified by:

getNomeClasse in class Cadastravel

## **Returns:**

String nome da classe.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

componentes

# **Class Combate**

java.lang.Object componentes.Cadastravel componentes.Ameaca componentes.Combate

## **All Implemented Interfaces:**

Mapeavel, java.io.Serializable

public class Combate
extends Ameaca

Classe que representa um evento de Combate. Estende Ameaca por representar uma ameaça aos rebeldes e possui atributos próprios específicos, como a quantidade de aliados no comabte e sua situação geral.

#### See Also:

Serialized Form

# Field Summary

#### **Fields**

# Modifier and Type Field and Description private java.lang.String caminhoImagem private java.lang.String descricaoCurta private int quantidadeAliados private java.lang.String situacaoGeral

# **Constructor Summary**

## **Constructors**

# **Constructor and Description**

Combate(int coordenadaX, int coordenadaY,
java.lang.String descricaoLonga, int numeros, java.lang.String gravidade,
int quantidadeAliados, java.lang.String situacaoGeral)
Construtor da classe.

# **Method Summary**

## All Methods Instance Methods Concrete Methods

Modifier and Type	Method and Description
java.lang.String	<pre>getCaminhoImagem()</pre> Método da interface de acesso ao caminho da imagem de Combate.
java.lang.String	<pre>getDescricaoCurta()  Método da interface de acesso à descrição genérica da classe.</pre>
java.lang.String	<pre>getNomeClasse() Método de Cadastravel de acesso ao nome da classe.</pre>
int	getQuantidadeAliados ( ) Método de acesso à quantidade de aliados.
java.lang.String	<pre>getSituacaoGeral() Método de acesso à situação geral do combate.</pre>
void	<pre>setQuantidadeAliados(int quantidadeAliados) Método de modificação da quantidade de aliados.</pre>
void	<pre>setSituacaoGeral(java.lang.String situacaoGeral) Método de modificação da situação geral do combate.</pre>

# Methods inherited from class componentes. Ameaca

getGravidade, setGravidade

# Methods inherited from class componentes. Cadastravel

getCoordenadaX, getCoordenadaY, getDescricaoLonga, getNumeros, setCoordenadaX, setCoordenadaY, setDescricaoLonga, setNumeros

# Methods inherited from class java.lang.Object

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

# Field Detail

# quantidadeAliados

private int quantidadeAliados

## situacaoGeral

private java.lang.String situacaoGeral

## caminholmagem

private final java.lang.String caminhoImagem

## descricaoCurta

private final java.lang.String descricaoCurta

## **Constructor Detail**

#### Combate

Construtor da classe. Recebe como parâmetros os atributos do objeto e realiza a atribuição. Acrescenta o caminho do ícone que representa a classe e a descrição da ameaça, atributos constantes compartilhados por todas as instancias da classe.

## **Parameters:**

```
coordenadaX - coordenada X no mapa.
coordenadaY - coordenada Y no mapa.
descricaoLonga - descrição específica da ameaça.
numeros - quantidade de representantes da ameaça.
gravidade - gravidade da ameaça.
quantidadeAliados - quantidade de aliados no combate.
situacaoGeral - situação geral do combate.
```

## **Method Detail**

## getQuantidadeAliados

public int getQuantidadeAliados()

Método de acesso à quantidade de aliados.

#### **Returns:**

int quantidade de aliados.

## setQuantidadeAliados

public void setQuantidadeAliados(int quantidadeAliados)

Método de modificação da quantidade de aliados.

#### **Parameters:**

quantidadeAliados - nova quantidade de aliados.

# getSituacaoGeral

public java.lang.String getSituacaoGeral()

Método de acesso à situação geral do combate.

#### **Returns:**

String situação geral.

## setSituacaoGeral

public void setSituacaoGeral(java.lang.String situacaoGeral)

Método de modificação da situação geral do combate.

## **Parameters:**

situacaoGeral - nova situação geral.

# getCaminholmagem

public java.lang.String getCaminhoImagem()

Método da interface de acesso ao caminho da imagem de Combate.

## **Returns:**

String caminho da imagem.

#### getDescricaoCurta

public java.lang.String getDescricaoCurta()

Método da interface de acesso à descrição genérica da classe.

#### **Returns:**

String descrição genérica de combate.

# getNomeClasse

public java.lang.String getNomeClasse()

Método de Cadastravel de acesso ao nome da classe.

# Specified by:

getNomeClasse in class Cadastravel

# **Returns:**

String nome da classe.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

componentes

# **Class Blitz**

java.lang.Object componentes.Cadastravel componentes.Ameaca componentes.Blitz

## **All Implemented Interfaces:**

Mapeavel, java.io.Serializable

public class Blitz
extends Ameaca

Classe que representa um evento Blitz. Estende Ameaca por representar uma ameaça aos rebeldes e possui atributos próprios específicos, como o tipo de veículo da blitz.

#### See Also:

Serialized Form

# Field Summary

#### **Fields**

# Modifier and Type Field and Description

private java.lang.String caminhoImagem
private java.lang.String descricaoCurta
private java.lang.String veiculo

# **Constructor Summary**

## **Constructors**

## **Constructor and Description**

**Blitz**(int coordenadaX, int coordenadaY, java.lang.String descricaoLonga, int numeros, java.lang.String gravidade, java.lang.String veiculo)

Construtor da classe.

# **Method Summary**

All Methods Ins	tance Methods Concrete Methods
<b>Modifier and Type</b>	Method and Description
java.lang.String	<pre>getCaminhoImagem() Método de acesso ao caminho da imagem da Blitz.</pre>
java.lang.String	<pre>getDescricaoCurta() Método de acesso à descrição curta da Blitz.</pre>
java.lang.String	getNomeClasse() Método de acesso ao nome da classe.
java.lang.String	getVeiculo() Método de acesso ao veículo da Blitz.
void	<pre>setVeiculo(java.lang.String veiculo) Método para modificação do veículo da Blitz.</pre>

# Methods inherited from class componentes. Ameaca

getGravidade, setGravidade

# Methods inherited from class componentes. Cadastravel

getCoordenadaX, getCoordenadaY, getDescricaoLonga, getNumeros, setCoordenadaX, setCoordenadaY, setDescricaoLonga, setNumeros

# Methods inherited from class java.lang.Object

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

# Field Detail

#### veiculo

private java.lang.String veiculo

# caminholmagem

private final java.lang.String caminhoImagem

## descricaoCurta

private final java.lang.String descricaoCurta

## **Constructor Detail**

#### **Blitz**

Construtor da classe. Recebe como parâmetros os atributos do objeto e realiza a atribuição. Acrescenta o caminho do ícone que representa a classe e a descrição da ameaça, atributos constantes compartilhados por todas as instancias da classe.

#### **Parameters:**

```
coordenadaX - coordenada X no mapa.
coordenadaY - coordenada Y no mapa.
descricaoLonga - descrição específica da ameaça.
numeros - quantidade de representantes da ameaça.
gravidade - gravidade da ameaça.
veiculo - veículos da Blitz.
```

## **Method Detail**

getVeiculo

```
public java.lang.String getVeiculo()
```

Método de acesso ao veículo da Blitz.

## **Returns:**

String nome do veículo.

#### setVeiculo

```
public void setVeiculo(java.lang.String veiculo)
```

Método para modificação do veículo da Blitz.

#### **Parameters:**

veiculo - novo veículo.

## getCaminholmagem

```
public java.lang.String getCaminhoImagem()
```

Método de acesso ao caminho da imagem da Blitz.

#### **Returns:**

String caminho da imagem.

# getDescricaoCurta

```
public java.lang.String getDescricaoCurta()
```

Método de acesso à descrição curta da Blitz.

## **Returns:**

String descrição genérica da classe.

# getNomeClasse

```
public java.lang.String getNomeClasse()
```

Método de acesso ao nome da classe.

## Specified by:

getNomeClasse in class Cadastravel

## **Returns:**

String nome da classe.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

componentes

# Class Ameaca

java.lang.Object componentes.Cadastravel componentes.Ameaca

## **All Implemented Interfaces:**

Mapeavel, java.io.Serializable

## **Direct Known Subclasses:**

Blitz, Combate, Marcha, Patrulha, Recebimento

public abstract class Ameaca
extends Cadastravel

Classe abstrata que representa uma ameaça aos rebeldes. Estende Cadastravel para permitir cadastro no sistema e representação no mapa.

#### See Also:

Serialized Form

# Field Summary

## **Fields**

Modifier and Type Field and Description

private java.lang.String gravidade

# **Constructor Summary**

## **Constructors**

# **Constructor and Description**

Ameaca(int coordenadaX, int coordenadaY, java.lang.String descricaoLonga,
int numeros, java.lang.String gravidade)

Construtor da classe.

# **Method Summary**

# All Methods Instance Methods Concrete Methods

# Modifier and Type Method and Description

java.lang.String getGravidade()

Método de acesso à gravidade da ameaça.

void setGravidade(java.lang.String gravidade)

Método para modificação da gravidade da ameaça.

# Methods inherited from class componentes. Cadastravel

getCoordenadaX, getCoordenadaY, getDescricaoLonga, getNomeClasse, getNumeros, setCoordenadaX, setCoordenadaY, setDescricaoLonga, setNumeros

# Methods inherited from class java.lang.Object

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

# Methods inherited from interface componentes. Mapeavel

getCaminhoImagem, getDescricaoCurta

## Field Detail

## gravidade

private java.lang.String gravidade

# **Constructor Detail**

## Ameaca

Construtor da classe. Recebe características comuns a todas as ameaças e atribui aos atributos.

## Parameters:

```
coordenadaX - coordenada X no mapa.
coordenadaY - coordenada Y no mapa.
descricaoLonga - descrição da ameaça.
```

numeros - quantidade de representantes da ameaça. gravidade - gravidade da ameaça.

# **Method Detail**

# getGravidade

public java.lang.String getGravidade()

Método de acesso à gravidade da ameaça.

## **Returns:**

String gravidade.

## setGravidade

public void setGravidade(java.lang.String gravidade)

Método para modificação da gravidade da ameaça.

## **Parameters:**

gravidade - nova gravidade da ameaça.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS **NEXT CLASS** FRAMES NO FRAMES ALL CLASSES

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

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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

services

# **Class Util**

java.lang.Object services.Util

public final class Util
extends java.lang.Object

Classe final responsável por fornecer utilidades ao sistema.

# **Constructor Summary**

#### **Constructors**

**Constructor and Description** 

Util()

# **Method Summary**

All Methods	Static Methods	Concrete Methods
-------------	----------------	------------------

ption

static Tracker readFile()

Método responsável por ler o arquivo, a fim de logar no sistema os

componentes já cadastrados.

static java.lang.String readPassword()

Lê o arquivo de senha e retorna para que a tela de ui.Login possa

encriptografar.

static void writeFile(Tracker tracker)

Método responsável por escrever no arquivo as informações dos

objetos, salvando-os.

# Methods inherited from class java.lang.Object

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

#### Constructor Detail

#### Util

public Util()

# **Method Detail**

#### readFile

public static Tracker readFile()

Método responsável por ler o arquivo, a fim de logar no sistema os componentes já cadastrados. É chamado no login, quando o usuário é aceito, antes de se iniciar o uso do sistema propriamente.

#### **Returns:**

Tracker com os componentes cadastrados

#### writeFile

public static void writeFile(Tracker tracker)

Método responsável por escrever no arquivo as informações dos objetos, salvando-os. É chamado quando o usuário fecha o sistema, garantindo que não haverá a possibilidade de cadastrar dados que não serão salvos.

#### **Parameters:**

tracker - objeto a ser armazenado.

## readPassword

public static java.lang.String readPassword()

Lê o arquivo de senha e retorna para que a tela de ui.Login possa encriptografar.

## **Returns:**

String senha lida do arquivo.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

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