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[solved] java: how to create non modal dialog always on top?

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Author	Message
yuko_gfu General User ○○○○○ Joined: 29 Mar 2011 Posts: 5 Location: Spain	◻ Posted: Tue Mar 29, 2011 3:07 am Post subject: [solved] java: how to create non modal dialog always on top? (quote) Hello I am trying to create a dialog with UnoControlDialogModel, I would like to be a tool window like "search tool" or "styles and formatting" and I don't know how to manage it. This is part of the code: **Code:** ```\nObject dialogModel = m_xMultiComponentFactory.createInstanceWithContext(\n "com.sun.star.awt.UnoControlDialogModel", m_xContext);\n\n // The named container is used to insert the created controls into...\n```

```
                XNameContainer m_xDlgModelNameContainer = (XNameContainer)
UnoRuntime.queryInterface(XNameContainer.class, dialogModel);

                XPropertySet xPSetDialog = (XPropertySet) UnoRuntime.queryInterface(
                        XPropertySet.class, dialogModel);
                xPSetDialog.setPropertyValue("PositionX", new Integer(150));
                xPSetDialog.setPropertyValue("PositionY", new Integer(100));
                xPSetDialog.setPropertyValue("Width", new Integer(100));
                xPSetDialog.setPropertyValue("Height", new Integer(280));
                xPSetDialog.setPropertyValue("DesktopAsParent", new Boolean(true));

                // get the service manager from the dialog model
                XMultiServiceFactory xMultiServiceFactory = (XMultiServiceFactory)
UnoRuntime.queryInterface(
                        XMultiServiceFactory.class, dialogModel);

                // insert the control models into the dialog model
                m_xDlgModelNameContainer = (XNameContainer) UnoRuntime.queryInterface(
                        XNameContainer.class, dialogModel);

                // create the dialog control and set the model
                Object dialog = m_xMultiComponentFactory.createInstanceWithContext(
                        "com.sun.star.awt.UnoControlDialog", m_xContext);
                XControl xControl = (XControl) UnoRuntime.queryInterface(
                        XControl.class, dialog);
                // add an action listener to the button control
                XControlContainer xControlCont = (XControlContainer) UnoRuntime.queryInterface(
                        XControlContainer.class, dialog);
```

...

Code:

```
                {
                    // create a peer
                    Object toolkit = xMultiComponentFactory.createInstanceWithContext(
                        "com.sun.star.awt.ExtToolkit", m_xContext );
                    XToolkit xToolkit = ( XToolkit )UnoRuntime.queryInterface(
                        XToolkit.class, toolkit );
                    XWindow xWindow = ( XWindow )UnoRuntime.queryInterface(
                        XWindow.class, xControl );
                    xWindow.setVisible( false );
                    xControl.createPeer( xToolkit, null );
                }

                // execute the dialog
                XDialog xDialog = (XDialog) UnoRuntime.queryInterface(
```

```
                            XDialog.class, dialog);
                xDialog.execute();

                // dispose the dialog
                XComponent xComponent = (XComponent) UnoRuntime.queryInterface(
                        XComponent.class, dialog);
                xComponent.dispose();
```

With that code, I have succeed in creating non modal dialog but I would like to add this functionalities -like in search tool-:

- To be always on top

- Not shown in task bar

- Close when closing openoffice

Maybe dialog is not the correct component? is there any component to show a tool window?

Thnks in advance

Last edited by yuko_gfu on Mon Apr 04, 2011 4:03 am; edited 1 time in total

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hanya
Super User
OOOOO

Joined: 04 May 2005
Posts: 543
Location: Japan

🗋 Posted: Sun Apr 03, 2011 7:42 am   Post subject: (quote)

Your dialog is not non-modal but it is modal on the desktop as its parent. You can not make the dialog mode-less with execute method. You can show your dialog as mode-less with setVisible(true) but you have to keep the reference to the dialog and your component living, DesktopAsParent should be false.

> **Quote:**
> - To be always on top

Pass your parent window as the parent of the dialog.

> **Quote:**
> - Close when closing openoffice

Use listeners.

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yuko_gfu
General User
OOOOO

Joined: 29 Mar 2011
Posts: 5
Location: Spain

🗋 Posted: Sun Apr 03, 2011 10:59 pm   Post subject: (quote)

> **hanya wrote:**
> Your dialog is not non-modal but it is modal on the desktop as its parent. You can not make the dialog mode-less with execute method. You can show your dialog as mode-less with setVisible(true) but you have to keep the reference to the dialog and your component

living, DesktopAsParent should be false.

> **Quote:**
>
> - To be always on top

Pass your parent window as the parent of the dialog.

> **Quote:**
>
> - Close when closing openoffice

Use listeners.

Thank you very much for responding. I'll try to do what you propose, but I think that was my first approach. I used the flag DesktopAsParent = true as a workaround for the dialog to be non-modal

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hanya
Super User
○○○○○

Joined: 04 May 2005
Posts: 543
Location: Japan

Posted: Mon Apr 04, 2011 12:32 am   Post subject:

(quote)

Here is an example:

Code:

```
package macro;

import com.sun.star.awt.XControl;
import com.sun.star.awt.XControlModel;
import com.sun.star.awt.XTopWindow;
import com.sun.star.awt.XWindow;
import com.sun.star.awt.XWindowPeer;
import com.sun.star.beans.PropertyVetoException;
import com.sun.star.beans.UnknownPropertyException;
import com.sun.star.beans.XPropertySet;
import com.sun.star.frame.XController;
import com.sun.star.frame.XFrame;
import com.sun.star.frame.XModel;
import com.sun.star.lang.EventObject;
import com.sun.star.lang.IllegalArgumentException;
import com.sun.star.lang.WrappedTargetException;
import com.sun.star.lang.XComponent;
import com.sun.star.lang.XMultiComponentFactory;
import com.sun.star.lib.uno.helper.WeakBase;
import com.sun.star.script.provider.XScriptContext;
import com.sun.star.uno.Exception;
import com.sun.star.uno.UnoRuntime;
import com.sun.star.uno.XComponentContext;

public class Test2 {
```

```java
static class DialogListener extends WeakBase
    implements com.sun.star.awt.XTopWindowListener {

    private Object m_Dialog = null;

    public DialogListener(Object dialog) {
        m_Dialog = dialog;
    }

    @Override
    public void windowActivated(EventObject ev) {
    }
    @Override
    public void windowClosed(EventObject ev) {
    }

    @Override
    public void windowClosing(EventObject ev) {
        if (m_Dialog != null) {
            XWindow xWindow = UnoRuntime.queryInterface(XWindow.class, m_Dialog);
            xWindow.setVisible(false);
            XComponent xComponent = UnoRuntime.queryInterface(XComponent.class, m_Dialog);
            xComponent.dispose();
            m_Dialog = null;
        }
    }

    @Override
    public void windowDeactivated(EventObject arg0) {
    }
    @Override
    public void windowMinimized(EventObject arg0) {
    }
    @Override
    public void windowNormalized(EventObject arg0) {
    }
    @Override
    public void windowOpened(EventObject arg0) {
    }
    @Override
    public void disposing(EventObject arg0) {
    }
}


public static void test(XScriptContext xScriptContext) {

    XModel xModel = xScriptContext.getDocument();
```

```java
            XController xController = xModel.getCurrentController();
            XFrame xFrame = xController.getFrame();
            XWindow xParentWindow = xFrame.getContainerWindow();

            XComponentContext m_xContext = xScriptContext.getComponentContext();
            XMultiComponentFactory m_xMultiComponentFactory = m_xContext
                    .getServiceManager();

            try {
                Object dialogModel = m_xMultiComponentFactory.createInstanceWithContext(
                        "com.sun.star.awt.UnoControlDialogModel", m_xContext);

                XPropertySet xPSetDialog = (XPropertySet) UnoRuntime
                        .queryInterface(XPropertySet.class, dialogModel);
                xPSetDialog.setPropertyValue("PositionX", new Integer(150));
                xPSetDialog.setPropertyValue("PositionY", new Integer(100));
                xPSetDialog.setPropertyValue("Width", new Integer(100));
                xPSetDialog.setPropertyValue("Height", new Integer(280));

                Object dialog = m_xMultiComponentFactory.createInstanceWithContext(
                        "com.sun.star.awt.UnoControlDialog", m_xContext);
                XControl xControl = (XControl) UnoRuntime.queryInterface(XControl.class, dialog);
                xControl.setModel(UnoRuntime.queryInterface(XControlModel.class, dialogModel));

                // create a peer
                XWindowPeer xWindowPeer = UnoRuntime.queryInterface(XWindowPeer.class,
xParentWindow);
                XWindow xWindow = (XWindow) UnoRuntime.queryInterface(XWindow.class, xControl);

                xControl.createPeer(xWindowPeer.getToolkit(), xWindowPeer);

                // set window listener
                XTopWindow xTopWindow = UnoRuntime.queryInterface(XTopWindow.class, dialog);
                xTopWindow.addTopWindowListener(new DialogListener(dialog));

                xWindow.setVisible(true);
            } catch (UnknownPropertyException e) {
                e.printStackTrace();
            } catch (PropertyVetoException e) {
                e.printStackTrace();
            } catch (IllegalArgumentException e) {
                e.printStackTrace();
            } catch (WrappedTargetException e) {
                e.printStackTrace();
            } catch (Exception e) {
                e.printStackTrace();
            }
        }
```

```
        public static void main(String[] args) {
        }
    }
```

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yuko_gfu
General User
○○○○○

Joined: 29 Mar 2011
Posts: 5
Location: Spain

Posted: Mon Apr 04, 2011 4:03 am   Post subject: (quote)

yes, it works.. "execute()" was the key 😃

thanks a lot hanya

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