

GDialog and GDetachedPanel

De Wiki

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GENIUS proposes to display information in detached windows. Two objects may be used depending on the fact that the window has a modal comportment or not:

- [GDetachedPanel](#) if not modal
- [GDialog](#) if modal

The principle is more or less the same for both classes: we have to create a class extending [GDetachedPanel](#) or [GDialog](#) (as extending [GPanel](#)):

```
public class GDetachedPanelWidget extends GDetachedPanel {

    private GLabel lab;

    public GDetachedPanelWidget( String title ) {
        super(title);
        lab = new GLabel("GDetachedPanel test ...");
        this.getJFrame().setPreferredSize(new Dimension(200, 100));
        this.getJFrame().setLocation(200, 0);
    }

    @Override
    public void display() throws GException {
        generic();
    }

    @Override
    public void generic() throws GException {
        put(lab);
    }

}

public class GDialogWidget extends GDialog {

    private GLabel lab;

    public GDialogWidget( String title ) {
        super(title);
        lab = new GLabel("GDialog test ...");
        this.getJPanel().setPreferredSize(new Dimension(180, 60));
    }

    @Override
    public void display() throws GException {
```

```

        generic();
    }

    @Override
    public void generic() throws GException {
        put(lab);
    }
}

```

Then, the difference will be on the way to call them to be displayed:

- for [GDetachedPanel](#), it will be as for a [GPanel](#) via the [put\(\)](#) method.
- for [GDialog](#), we will have to call for the [display\(\)](#) method of the object ; we will exit of this method when the [GDialog](#) window will have been closed.

```

public class TestForGDialogAndGDetachedPanel extends GPanel {

    private GCheckBox cbDialog;
    private GCheckBox cbDetach;

    private GDialogWidget dialog;
    private GDetachedPanelWidget detach;

    public TestForGDialogAndGDetachedPanel() {

        cbDetach = new GCheckBox("Test GDetachedPanel");
        cbDialog = new GCheckBox("Test GDialog");

        detach = new GDetachedPanelWidget("GDetachedPanel");
        dialog = new GDialogWidget("GDialog");

    }

    @Override
    public void display() throws GException {
        generic();
    }

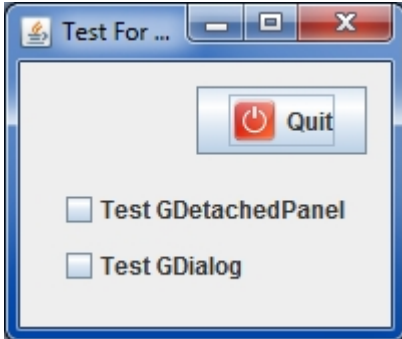
    @Override
    public void generic() throws GException {
        put(cbDetach);
        if ( cbDetach.isSelected() ) {
            put(detach);
        }
        put(cbDialog);
        if ( cbDialog.isSelected() ) {
            dialog.show();
            cbDialog.setSelected(false);
        }
    }
}

```

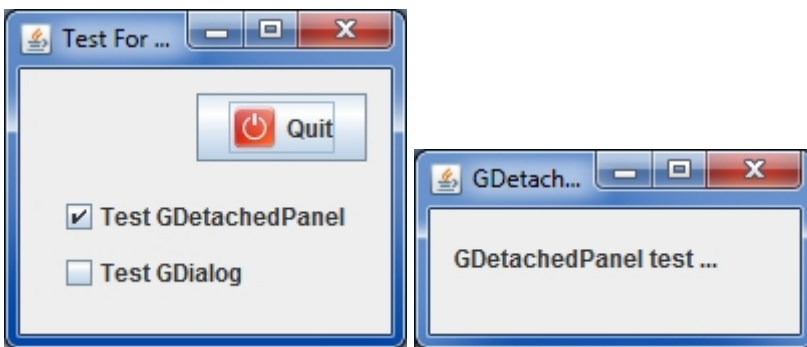
```
}
```

```
}
```

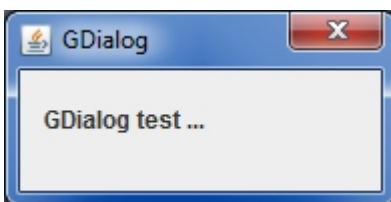
Using the code above, we will have this:



by clicking on the checkbox for [GDetachedPanel](#)], a detached window will appear ...



... and by clicking on the checkbox for [GDialog](#), the following window will appear when the main window will be deactivated:



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