

User Interface - Bug #3638

Frame.maintainTabOrder() is broken

06/26/2018 08:41 AM - Ovidiu Maxiniuc

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		case_num:	
billable:	No	version:	
vendor_id:	GCD		
Description			

History

#1 - 06/26/2018 08:49 AM - Ovidiu Maxiniuc

The logic in method maintainTabOrder() from Frame is not correct. There are cases when, in the first for loop, to get an index overflow exception like this:

```
Caused by: java.lang.ArrayIndexOutOfBoundsException: 5
    at com.goldencode.p2j.ui.client.Frame.maintainTabOrder (Frame.java:8177)
    at com.goldencode.p2j.ui.client.Frame.enabledWidgetsByList (Frame.java:7566)
    at com.goldencode.p2j.ui.chui.ThinClient.processEnable (ThinClient.java:5146)
    at com.goldencode.p2j.ui.chui.ThinClient.enableWorker (ThinClient.java:5027)
    at com.goldencode.p2j.ui.chui.ThinClient.enable (ThinClient.java:4918)
    at com.goldencode.p2j.ui.chui.ThinClient.enable (ThinClient.java:4811)
    at sun.reflect.NativeMethodAccessorImpl.invoke0 (Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke (NativeMethodAccessorImpl.java:62)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke (Method.java:498)
    at com.goldencode.p2j.util.MethodInvoker.invoke (MethodInvoker.java:124)
    at com.goldencode.p2j.net.Dispatcher.processInbound (Dispatcher.java:757)
    at com.goldencode.p2j.net.Conversation.block (Conversation.java:412)
    at com.goldencode.p2j.net.Conversation.waitMessage (Conversation.java:348)
    at com.goldencode.p2j.net.Queue.transactImpl (Queue.java:1186)
    at com.goldencode.p2j.net.Queue.transact (Queue.java:657)
    at com.goldencode.p2j.net.BaseSession.transact (BaseSession.java:271)
    at com.goldencode.p2j.net.HighLevelObject.transact (HighLevelObject.java:211)
    at com.goldencode.p2j.net.RemoteObject$RemoteAccess.invokeCore (RemoteObject.java:1473)
    at com.goldencode.p2j.net.InvocationStub.invoke (InvocationStub.java:145)
    at com.sun.proxy.$Proxy4.standardEntry (Unknown Source)
    at com.goldencode.p2j.main.ClientCore.start (ClientCore.java:361)
    at com.goldencode.p2j.main.ClientCore.start (ClientCore.java:158)
    at com.goldencode.p2j.main.ClientDriver.start (ClientDriver.java:250)
    at com.goldencode.p2j.main.CommonDriver.process (CommonDriver.java:444)
    at com.goldencode.p2j.main.ClientDriver.process (ClientDriver.java:144)
    at com.goldencode.p2j.main.ClientDriver.main (ClientDriver.java:313)
```

This happens because the focusSeq array is created based on this.widgets.length but the for loop iterates for widgetIds.length times. Of course the error might come from enabledWidgetsByList but there is no validation of the array dimension in maintainTabOrder.