

User Interface - Bug #3022

frame widgets and menus remain registered to ConfigManager and LogicalTerminal

03/09/2016 08:26 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		
vendor_id:	GCD		
Description			

History

#1 - 03/09/2016 08:38 AM - Greg Shah

- Project changed from Liberty to User Interface

#2 - 03/09/2016 08:58 AM - Ovidiu Maxiniuc

I noticed that information about widgets created by a procedure remain in ConfigManager and LogicalTerminal data structures. I don't think they do harm except for mem leak.

To see the list of items I added the following code at the end of ConfigManager:

```
public static void dumpWidgetConfigs()
{
    ConfigManager mgr = ConfigManager.getInstance();
    System.err.print("Widget configs:");
    for (WidgetId mId : mgr.widgetCfg.keySet())
    {
        System.err.print(" " + mId.asInt());
    }
    System.err.println();
}
```

and LogicalTerminal:

```
public static void dumpWidgetRegistry()
{
    LogicalTerminal lt = LogicalTerminal.locate();
    System.err.print("Widgets:");
    for (Integer wId : lt.widgetRegistry.keySet())
    {
        System.err.print(" " + wId);
    }
    System.err.print("\nMenus:");
    for (Integer mId : lt.menuRegistry.keySet())
    {
        System.err.print(" " + mId);
    }
    System.err.println();
}
```

On the very last line of the test launcher procedure (a2862_0.p) which does not define any frame or menus I called them:

```
LogicalTerminal.dumpWidgetRegistry();
ConfigManager.dumpWidgetConfigs();
```

At this moment the structures should contain only information for the default window because the called procedures have finished and they were cleanup/finalized.

I understand that for menus, the management is more complicated.

The frames and their widgets, they seem to persist even if `LogicalTerminal.hideAll()` is called just before the above code.

The result for my testcase (see `uast/frames/shared2` in testcases repo) will look like this:

```
Widgets: 4 5 6 7 9 10 11 14 16 17 18 21 22 23 24 26 27 28 31 33 34 35 57 58 59 60 61 91 92 93 97 98 99
Menus: 57 90 61
Widget configs: 61 1
```