

## Kepler - Bug #2341

### MENUS: Top-Level Menu - Some mapped menu items not working

01/19/2006 02:24 PM - Matthew Brooke

<b>Status:</b>	Resolved	<b>Start date:</b>	01/19/2006
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assignee:</b>	Matthew Brooke	<b>% Done:</b>	0%
<b>Category:</b>	interface	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.0.0alpha9	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	2341		
<b>Description</b>			
Five of the menu items mapped from ptii menus don't work under the new kepler menu hierarchy:			
File->Save As (in ptii was: File->SaveAs)			
View->XML View (in ptii was: View->XML View)			
Workflow->Run Window (in ptii was: View->Run Window)			
Tools->Check System Settings (in ptii was: View->JVM Properties)			
Help->Documentation (in ptii was: Help->Help)			
NOTE:			
1) None of the above have Actions associated in PTII - they all use ActionListeners, from which Actions are created for use in the new Kepler menus. All remaining menus work OK			
2) There are other PTII menus that have had Actions created from ActionListeners, so that's not the problem per se, but it might be somehow related...			
<b>Related issues:</b>			
Blocked by Kepler - Bug #2337: TRACKING - MENUS: Top-Level Menu Revision		<b>In Progress</b>	<b>01/18/2006</b>

### History

#### #1 - 01/20/2006 09:00 PM - Matthew Brooke

This was happening because we were setting the Action.NAME, and the ptii code uses the menu name to create a Factory to respond to the menu selection. I have currently commented out the code that changes Action.NAME (since this was also the cause of bug #2342) - however, this means that any menu items that should be renamed for Kepler do not actually get renamed - they still have their old names (specifically File->New->Graph Editor **should** be File->New Workflow->Blank, and File->SaveAs **should** be File->Save As). Suggested fix shown further down the page...

Here's the culprit code (discovered by Christopher):

It looks like  
ptolemy.actor.gui.TableauFrame.ViewMenuListener.actionPerformed()  
is being called but for XML view and JVM properties the factory is null?

In the line marked --->, the factory is null for XML view

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```
/** Listener for view menu commands. */
class ViewMenuListener implements ActionListener {
    public void actionPerformed(ActionEvent e) {
        // Make this the default context for modal messages.
        GraphicalMessageHandler.setContext(TableauFrame.this);
        System.out.println("TableauFrame.actionPerformed() " + e +
            " " + _factoryContainer);
        if (_factoryContainer != null) {
            JMenuItem target = (JMenuItem) e.getSource();
            String actionCommand = target.getActionCommand();
```

```
TableauFactory factory = (TableauFactory) _factoryContainer
    .getAttribute(actionCommand);
```

```
---> System.out.println("TableauFrame.actionPerformed(): factory "
    + factory);
if (factory != null) {
    Effigy tableauContainer = (Effigy) _tableau.getContainer();
```

```
    try {
        Tableau tableau = factory
            .createTableau(tableauContainer);
        tableau.show();
    } catch (Throwable throwable) {
        // Copernicus might throw a java.lang.Error if
        // jhdl.Main cannot be resolved
        MessageHandler.error("Cannot create view",
            throwable);
    }
}
```

```
    // NOTE: The following should not be needed, but
    jdk1.3beta
    // appears to have a bug in swing where repainting doesn't
    // properly occur.
    repaint();
}
```

-----

In lieu of commenting out the Action.NAME assignment, however, it would be nice if we could fix the above code so it looks for an Action first - something like this:

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snippet from your quoted code, with new code added:

```
//ORIGINAL CODE
JMenuItem target = (JMenuItem) e.getSource();

//NEW CODE -----
String actionCommand = null;

Action action = target.getAction();
if (action!=null) {

    //the following should be OK because GUIUtilities.addItem()
    //automatically adds each incoming JMenuItem as a property of
    //the Action itself - see diva.gui.GUIUtilities.addItem(),
    //line 202, ans so does kepler/src/exp/ptolemy/vergil/basic/
    // BasicGraphFrame.storeSubMenus() line 2519...

    JMenuItem origMItem = (JMenuItem) action.getValue("menuItem");
    if (origMItem!=null) {
        actionCommand = origMItem.getActionCommand();
    } else {
        actionCommand = target.getActionCommand();
    }
} else {

//EDIT THIS ORIGINAL CODE - delete the "String":
    actionCommand = target.getActionCommand();
//      String actionCommand = target.getActionCommand();

//NEW CODE - close bracket:
}
// END ---
```

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## #2 - 01/26/2006 04:07 PM - Matthew Brooke

Christopher added the code changes to  
ptolemy.actor.gui.TableauFrame.ViewMenuListener.actionPerformed(), which fixed

some of these menu items (the ones not in the File or Help menus. I then changed the code in BasicGraphFrame to fix the remaining menu items.

**#3 - 03/27/2013 02:19 PM - Redmine Admin**

Original Bugzilla ID was 2341