

## Kepler - Bug #2363

### Move Actions out of BasicGraphController

02/20/2006 05:00 PM - Matthew Brooke

<b>Status:</b>	Resolved	<b>Start date:</b>	02/20/2006
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assignee:</b>	Christopher Brooks	<b>% Done:</b>	0%
<b>Category:</b>	interface	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.0.0	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	2363		
<b>Description</b>			
src/exp/ptolemy/vergil/basic/BasicGraphController contains several Action inner classes that were/are used for menu items. These need to be moved into their own public classes, so they can be added to menus as necessary via the new kepler menu system			
<b>Related issues:</b>			
Blocked by Kepler - Bug #2321: merge exp files into ptolemy CVS		<b>Resolved</b>	<b>12/16/2005</b>

### History

#### #1 - 05/19/2006 01:49 PM - Matthew Brooke

Here's how to write Action classes for Kepler (This allows your code to be reusable and easily incorporated into the new menu framework when the time comes):

1) Write a public Action class that extends ptolemy.vergil.toolbox.FigureAction, and add your actual action code to the method:

```
public void actionPerformed(ActionEvent e)
```

(this is an abstract method, so it must be implemented in your class)

- See example code below for MyNewAction

2) Edit the file:

```
configs/ptolemy/configs/kepler/uiMenuMappings_en_US.properties
```

and add a mapping (note that the order in the file is the same order as on the menu).

Specifically, look in the documentation at the beginning of that file, under "# 2) INSTANTIATING NEW KEPLER ACTIONS"

A sample entry looks like:

Tools->~My\ New\ Menu\ Item=org.kepler.gui.MyNewAction, where MyNewAction is your class that extends FigureAction, as described above

```
=====
// Example code for MyNewAction

public class MyNewAction extends FigureAction {

// Display Text pulled from resourcebundle:
private static String DISPLAY_NAME = StaticResources.getDisplayString("actions.mynewaction.displayName", "");
private static String TOOLTIP = StaticResources.getDisplayString("actions.mynewaction.tooltip", "");

/**
 * Constructor
 *
 * @param parent the "frame" (derived from ptolemy.gui.Top)
 * where the menu is being added.
 */
public MyNewAction (TableauFrame parent) {
    super("");
    this.parent = parent;
    this.putValue(Action.NAME, DISPLAY_NAME);
    this.putValue("tooltip", TOOLTIP);
}
}
```

```
/**
 * Invoked when an action occurs.
 *
 * @param e ActionEvent
 */
public void actionPerformed(ActionEvent e) {

//YOUR CODE GOES HERE - like:
    //dialog = new MyDialog(parent);
    //dialog .setVisible(true);
    //...etc
}
```

#### **#2 - 01/28/2008 03:58 PM - Christopher Brooks**

If we solve this bug and move more code out of `exp/ptolemy/vergil/basic/BasicGraphController.java`, then it will be easier to update that file with Ptolemy changes.

#### **#3 - 04/21/2009 10:39 AM - Christopher Brooks**

I'll take this bug as part of bug # 2321.

#### **#4 - 04/30/2009 09:58 AM - Christopher Brooks**

I'm closing this, I created  
`util/src/org/kepler/gui/SemanticSearchDialogAction.java`  
`util/src/org/kepler/gui/WorkflowTypeCheckerDialogAction.java`  
and removed the duplicate copy of `ptolemy/vergil/basic/BasicGraphController.java`

#### **#5 - 03/27/2013 02:19 PM - Redmine Admin**

Original Bugzilla ID was 2363