

## User Interface - Bug #2704

Bug # 2677 (New): fix drawing and functional differences between P2J GUI and 4GL GUI

### large fill-in drawing differences

09/11/2015 02:27 PM - Greg Shah

<b>Status:</b> Closed	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> Constantin Asofiei	<b>% Done:</b> 100%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> GUI Support for a Complex ADM2 App	<b>case_num:</b>
<b>billable:</b> No	
<b>vendor_id:</b> GCD	
<b>Description</b>	
<b>Related issues:</b>	
Related to User Interface - Bug #2752: ask-gui.p frame has scrollbars when it...	<b>Closed</b> 10/09/2015
Related to User Interface - Bug #2730: taller than default fill-in height cau...	<b>Closed</b>

### History

#### #1 - 09/11/2015 02:31 PM - Greg Shah

Refer to the ask-gui.p screenshots (4GL, P2J Web and P2J Swing) in [#2701-2](#)

The "Program Name" fill-in has the following problems:

1. In Swing, the outline rectangle is truncated (a portion of the right side is not displayed). In the web client, the entire highlight is shown exactly like in the 4GL.
2. The white background of the fill-in is truncated in P2J (for the Swing client, it is truncated at the same location as is the highlight rectangle). The web client truncates it at the same location even though the highlight is not truncated.

#### #2 - 09/21/2015 02:55 PM - Greg Shah

There is a problem that can be seen when a fill-in is explicitly sized taller than the default height. When the field is NOT enabled, the text is vertically centered. But when the field is enabled, the text appears at the vertical top of the fillin (like we do it in P2J by default).

demo/calc-static.p can be made to show this. See [#2715-5](#)

#### #3 - 10/15/2015 07:24 AM - Constantin Asofiei

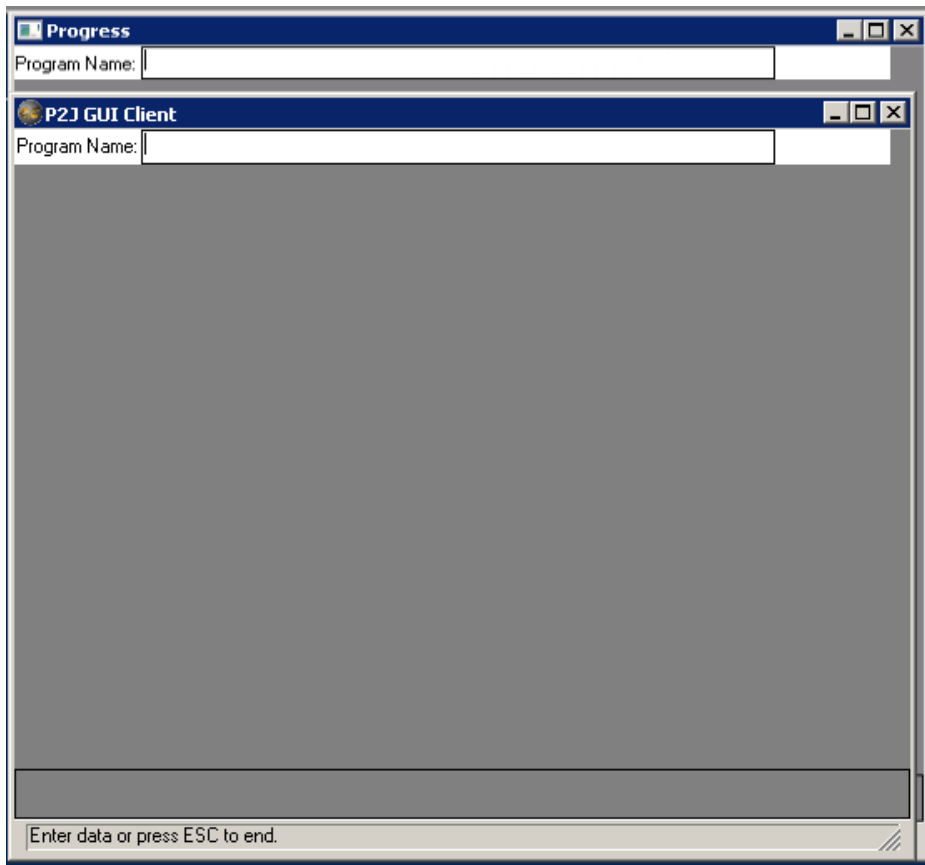
- Status changed from New to WIP
- Assignee set to Constantin Asofiei

#### #4 - 10/15/2015 09:43 AM - Constantin Asofiei

Issue in note 1 is fixed in 1811s rev 10969. Working on issue in note 2.

#### #5 - 10/15/2015 12:47 PM - Greg Shah

After using 1811s rev 10969 AND loaded the custom fonts in the directory, I get this:



For the same code, the P2J window is smaller in both dimensions. The difference is larger in height than width.

Without the custom fonts loaded, I get the same sizing results, so the sizing problem is not caused by using the custom fonts.

#6 - 10/15/2015 12:48 PM - Greg Shah

**#7 - 10/15/2015 02:30 PM - Constantin Asofiei**

There is one more issue here: using the SENSITIVE attribute to enable a widget must not make it current focus (focus remains unchanged!). So our approach of using the same logic as ENABLE is not correct.

**#8 - 10/15/2015 02:40 PM - Constantin Asofiei**

Greg Shah wrote:

For the same code, the P2J window is smaller in both dimensions. The difference is larger in height than width.

Without the custom fonts loaded, I get the same sizing results, so the sizing problem is not caused by using the custom fonts.

This is because P2J assumes the width/height specified via the attributes is for the full window, while in 4GL the new size is for the workspace... we need to differentiate resizing incoming from the driver (via MouseResizable), where the full window width is passed, and resize triggered by attribute change.

**#9 - 10/15/2015 03:34 PM - Constantin Asofiei**

Constantin Asofiei wrote:

Greg Shah wrote:

For the same code, the P2J window is smaller in both dimensions. The difference is larger in height than width.

Without the custom fonts loaded, I get the same sizing results, so the sizing problem is not caused by using the custom fonts.

This is because P2J assumes the width/height specified via the attributes is for the full window, while in 4GL the new size is for the workspace... we need to differentiate resizing incoming from the driver (via MouseResizable), where the full window width is passed, and resize triggered by attribute change.

1811s rev 10970 contains a fix for window resize via attributes - the windows are now identical.

**#10 - 10/16/2015 08:46 AM - Greg Shah**

Is the issue in note 2 still open?

What is the plan to fix the issue in note 7? SENSITIVE is definitely used heavily in GUI so it is an important problem.

**#11 - 10/16/2015 09:03 AM - Constantin Asofiei**

Greg Shah wrote:

Is the issue in note 2 still open?

Yes, I think I'll have a fix soon.

What is the plan to fix the issue in note 7? SENSITIVE is definitely used heavily in GUI so it is an important problem.

From some testing with calc-static.p looks like just setting the WidgetConfig.enabled attribute is OK, but I need to test some other scenarios.

**#12 - 10/16/2015 10:45 AM - Constantin Asofiei**

1811s rev 10976 improves content placement for FILL-IN; there are these notes:

1. once we fix the [#2727](#) for right-aligned number formats, some TODOs in FillinGuiImpl.editableNativeDimension and editableNativeLocation need to be addressed (actually, the code removed). Currently, to place the content at the proper location, the location is moved to the right with the width of the space prefix. Horizontal placement works fine otherwise
2. vertical placement is still off by a few pixels... this is mostly related to drawing the text centered vertically. I think instead ascent/descent values need to be used (especially when editable mode is on).
3. caret color depends on the background - might be the same XOR operation as for other cases we saw.

**#13 - 10/16/2015 01:33 PM - Constantin Asofiei**

- % Done changed from 0 to 70

Greg Shah wrote:

What is the plan to fix the issue in note 7? SENSITIVE is definitely used heavily in GUI so it is an important problem.

In the end this was related to this: ENABLE/SENSITIVE=true must not switch focus if current focus is valid. I've checked the MAJIC test which required TC.getEnablePendingFocus (GSO 491) and it works OK.

This is fixed in 1811s rev 10979.

**#14 - 10/22/2015 02:30 PM - Constantin Asofiei**

Constantin Asofiei wrote:

Greg Shah wrote:

What is the plan to fix the issue in note 7? SENSITIVE is definitely used heavily in GUI so it is an important problem.

In the end this was related to this: ENABLE/SENSITIVE=true must not switch focus if current focus is valid. I've checked the MAJIC test which required TC.getEnablePendingFocus (GSO 491) and it works OK.

There is another issues in the end with GSO 491 and I'm in a conundrum: in 4GL, testcases/uast/enable\_focus.p doesn't move focus with an ENABLE. In GSO 491 (on which the test relies), on a different step (when FOCUS is valid, in the same frame, but on a BUTTON), MAJIC expects for the focus to be moved... but I can't replicate this in 4GL, all combinations (scoping the frame to triggers, nested triggers, procedures) doesn't give me the "enable moves focus" feature MAJIC expects.

**#15 - 10/22/2015 02:35 PM - Greg Shah**

Eugenie: was all of the GSO 491 behavior captured on the 4GL or was some of it based on P2J?

**#16 - 10/22/2015 02:47 PM - Constantin Asofiei**

The ThinClient revisions which introduced these are:

```
** 652 SIY 20110504      Fixed focus handling for ENABLE inside trigger.
** 653 SIY 20110506      Narrowed conditions for ENABLE focus handling fix.
** 654 SIY 20110510      Another attempt to fix focus handling fix.
```

which are related to fixing the issue in #1314 - see note 3 which states that the focus should move...

**#17 - 10/22/2015 03:17 PM - Eugenie Lyzenko**

Greg Shah wrote:

Eugenie: was all of the GSO 491 behavior captured on the 4GL or was some of it based on P2J?

The test was captured 2011/04/27. Dragonfly was turned off ~2010/04/23(a year before). So I think this test is completely P2J based.

**#18 - 10/22/2015 04:04 PM - Greg Shah**

OK, let's fix the test to match the behavior that is believed to be correct based on 4GL testing.

**#19 - 12/07/2015 08:20 AM - Constantin Asofiei**

- % Done changed from 70 to 100

Issues 2 and 3 from note 12 are in tasks [#2921](#) and [#2920](#). This task can be closed.

**#20 - 12/07/2015 08:48 AM - Greg Shah**

- Status changed from WIP to Closed

**#21 - 11/16/2016 12:12 PM - Greg Shah**

- Target version changed from Milestone 12 to GUI Support for a Complex ADM2 App

## Files

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ask-gui.p_window_sizes_p2j_swing_vs_progress_1811s_rev_10969.pdf	6 KB	10/15/2015	Greg Shah
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