User Interface - Feature #2522

Feature # 2252 (Closed): implement GUI client support

Feature # 2521 (Closed): enhance/implement radio-set for GUI

add attribute/method support for radio-set

02/20/2015 05:21 PM - Greg Shah

Status:	Closed		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:	Igor Skornyakov		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:	GUI Support for a Complex ADM2 App			
billable:	No		**version:**	
vendor_id:	GCD			

Description

Related issues:		
Related to User Interface - Feature #2508: test LIST-ITEMS support in P2J and...	**Closed**	
Related to User Interface - Bug #2520: Dynamic list controls are not visible	**Closed**	**02/20/2015**

History

#1 - 02/20/2015 05:22 PM - Greg Shah

Implement conversion and runtime support for the following:

Attributes

NUM-BUTTONS

Methods

DISABLE
ENABLE

#2 - 03/06/2015 08:53 AM - Greg Shah

- Assignee set to Igor Skornyakov

- Target version set to Milestone 12

#3 - 03/12/2015 07:44 AM - Igor Skornyakov

- File ias_upd20150312a.zip added

Done. The regression test started. The attached archive also contains minor fixed for #2508 and #2520

#4 - 03/12/2015 09:07 AM - Greg Shah

Code Review ias_upd20150312a.zip

I'm fine with the changes.

Constantin: please review.

#5 - 03/12/2015 10:56 AM - Constantin Asofiei

About ias_upd20150312a.zip:

- ControlSetEntity.pairs - the javadoc for return is not formatted properly.
- ControlSetConfig.pairsSetWhenRealized - the javadoc is the same as for the pairs field
  Actually, I don't understand why you need this field. Can you give an example? As I see:
  1. if the LIST-ITEMS attribute is set for an unrealized widget, this will match the widget's unrealized state; and the pairs() API will always return null until the widget is realized - thus you will be able to set the LIST-ITEM-PAIRS after the widget was configured with LIST-ITEMS! Only after the widget is realized this will no longer match.
  2. if the LIST-ITEMS attribute is set for a realized widget, this will match the widget's realized state; and the pairs() API will forever return null - thus the setListItemPairs() will succeed even if LIST-ITEMS was set first.

Check this case:

```
def var ch as char view-as combo-box.

form ch with frame f1.

ch:list-items = "1,2,3,4".
ch:list-item-pairs = "a,b,c,d".
```

The widget is not realized, and the LIST-ITEM-PAIRS is not possible to be set, once LIST-ITEMS was set.

Do not limit yourself to testing one attribute at a time, especially as the LIST-ITEMS and LIST-ITEM-PAIRS are dependent on each other; set them once, twice, one after the other, with an unrealized widget, with a realized widget, before and after realizing a widget, and all combinations you can think of.

#6 - 03/12/2015 11:26 AM - Igor Skornyakov

Constantin Asofiei wrote:

> About ias_upd20150312a.zip:
>
> - ControlSetEntity.pairs - the javadoc for return is not formatted properly.
> - ControlSetConfig.pairsSetWhenRealized - the javadoc is the same as for the pairs field

Thank you - I will fix it.

> Actually, I don't understand why you need this field. Can you give an example? As I see:
> 1. if the LIST-ITEMS attribute is set for an unrealized widget, this will match the widget's unrealized state; and the pairs() API will always return null until the widget is realized - thus you will be able to set the LIST-ITEM-PAIRS after the widget was configured with LIST-ITEMS! Only after the widget is realized this will no longer match.
> 2. if the LIST-ITEMS attribute is set for a realized widget, this will match the widget's realized state; and the pairs() API will forever return null -

thus the setListItemPairs() will succeed even if LIST-ITEMS was set first.

Check this case:
[...]
The widget is not realized, and the LIST-ITEM-PAIRS is not possible to be set, once LIST-ITEMS was set.

Do not limit yourself to testing one attribute at a time, especially as the LIST-ITEMS and LIST-ITEM-PAIRS are dependent on each other; set them once, twice, one after the other, with an unrealized widget, with a realized widget, before and after realizing a widget, and all combinations you can think of.

This is exactly what I did. Please note that with your initial sample (when assigments where in the "on" block it was possible to set LIST-ITEM-PAIRS after LIST-ITEMS was set. This is the reason for adding pairsSetWhenRealized

#7 - 03/12/2015 12:18 PM - Igor Skornyakov

- File ias_upd20150312b.zip added

Actually Constantin is right: I've not tested all cases. Please find the update attached.
Thank you Constantin.

#8 - 03/12/2015 12:37 PM - Greg Shah

Code Review ias_upd20150312b.zip

I'm OK with the changes.

#9 - 03/12/2015 12:51 PM - Constantin Asofiei

Igor, I'm still trying to understand why the pairsSetWhenRealized flag is needed - please post a simple, minimum test which demonstrates what this wants to solve.

#10 - 03/12/2015 01:16 PM - Igor Skornyakov

Constantin Asofiei wrote:

Igor, I'm still trying to understand why the pairsSetWhenRealized flag is needed - please post a simple, minimum test which demonstrates what this wants to solve.

Actually I was trying to reproduce the behavior of your tests - the one you submitted initially:

```
def var ch as char.

form ch view-as combo-box inner-lines 2 label "combo" with frame f1.

on "1" anywhere do:
  ch:list-items in frame f1 = "a,b,c,d,e".
end.
```

```
on "2" anywhere do:
  ch:list-item-pairs in frame f1 = "1,a,2,b,3,c,4,d,5,e".
end.

update ch with frame f1.

message ch
```

where one can press "1" and then "2" (but not vise versa)

and the test you've submitted today (this was what I've tried initially, but haven't re-tested).

#11 - 03/12/2015 03:39 PM - Constantin Asofiei

Igor, I think the update is safe now. But please rename pairsSetWhenRealized to itemsSetWhenRealized - this flag has nothing to do with the LIST-ITEM-PAIRS attribute, as I understand you just need to track if the last time the items were set the widget was already realized or not.

But before putting it in testing, please do some more tests (if you haven't already covered these cases); use a workflow like this (and combinations):

1. unrealized widget:
   a) set LIST-ITEMS (case I)
   or
   b) LIST-ITEM-PAIRS (case II)
   or
   c) do nothing
2. realize widget then:
   a) set LIST-ITEMS first, LIST-ITEM-PAIRS second (case II)
   or
   b) set LIST-ITEM-PAIRS first, LIST-ITEMS second (case III)
   or
   c) do nothing
3. hide widget and do step 3 cases again

#12 - 03/12/2015 04:01 PM - Igor Skornyakov

Constantin Asofiei wrote:

> Igor, I think the update is safe now. But please rename pairsSetWhenRealized to itemsSetWhenRealized - this flag has nothing to do with the
> LIST-ITEM-PAIRS attribute, as I understand you just need to track if the last time the items were set the widget was already realized or not.

The name was chosen after the name of the 'pairs' flag. However if you think that it can cause confusion I will change it. Please note however that ADD-FIRST/ADD-LAST/DELETE methods also change items (but not the 'pairs' flag). I think it is a matter of taste.

But before putting it in testing, please do some more tests (if you haven't already covered these cases); use a workflow like this (and combinations):

1. unrealized widget:
   a) set LIST-ITEMS (case I)
   or
   b) LIST-ITEM-PAIRS (case II)
   or
   c) do nothing
2. realize widget then:
   a) set LIST-ITEMS first, LIST-ITEM-PAIRS second (case II)
   or
   b) set LIST-ITEM-PAIRS first, LIST-ITEMS second (case III)
   or
   c) do nothing
3. hide widget and do step 3 cases again

I've tested all of the above except hiding. Now I've added it but have noticed nothing new.
Thank you for your advise!

#13 - 03/13/2015 04:18 AM - Igor Skornyakov

All regression tests (except tc_job_002) passed. Can I commit mt changes?

#14 - 03/13/2015 11:01 AM - Greg Shah

Please post the final update here.

#15 - 03/13/2015 11:29 AM - Igor Skornyakov

- File ias_upd20150313a.zip added

Please find the final update attached.

#16 - 03/13/2015 12:16 PM - Greg Shah

Yes, you can check it in.

#17 - 03/13/2015 12:32 PM - Igor Skornyakov

Has passed regression testing and is committed as bzr rev. 10811

#18 - 03/16/2015 09:01 AM - Greg Shah

- Status changed from New to Closed

#19 - 11/16/2016 12:13 PM - Greg Shah

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

Files

ias_upd20150312a.zip	90.2 KB	03/12/2015	Igor Skornyakov
ias_upd20150312b.zip	90.2 KB	03/12/2015	Igor Skornyakov
ias_upd20150313a.zip	90.3 KB	03/13/2015	Igor Skornyakov