

User Interface - Bug #5363

Incorrect initial value in lastkey

05/13/2021 11:03 AM - Roger Borrello

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		case_num:	
billable:	No		
vendor_id:	GCD		
Description			

History

#1 - 05/13/2021 11:26 AM - Roger Borrello

Testcase uast/messages_test.p illustrates we have the incorrect initial value in lastkey (which is set in the KeyReader.WorkArea to -401). Current version is 3821c_12412.

```
def var t1 as char.  
form t1 with frame f1.  
message "1. " + string(lastkey) keylabel(lastkey) keyfunction(lastkey).  
message "2. " + string(lastkey) keylabel(lastkey) keyfunction(lastkey).  
update t1 with frame f2.  
message "3. " + string(lastkey) keylabel(lastkey) keyfunction(lastkey).  
pause message "Done."
```

4GL on Unix ChUI, Windows ChUI, and Windows GUI all show:

```
1. -1  
2. -1
```

FWD ChUI shows:

```
1. 401 PF1 GO  
2. 401 PF1 GO
```

FWD GUI shows:

```
1. 401 PF1  
2. 401 PF1
```

A minor change to the initializer of lastkey to -1 changes this to the same 4GL results (ChUI and GUI):

```
1. -1  
2. -1
```

Proposed change:

```
=== modified file 'src/com/goldencode/p2j/util/KeyReader.java'
--- src/com/goldencode/p2j/util/KeyReader.java      2021-01-13 21:04:41 +0000
+++ src/com/goldencode/p2j/util/KeyReader.java      2021-05-12 21:54:55 +0000
@@ -3,7 +3,7 @@
 ** Abstract : helper methods to manage reading a key/char and accessing the
 **           last key read
 **
 ** Copyright (c) 2005-2020, Golden Code Development Corporation.
 *** Copyright (c) 2005-2021, Golden Code Development Corporation.
 **
 **  -#-  -I-  --Date--  --JPRM--  -----Description-----
 ** 001 GES 20051109    @23284 Created initial version, supporting helper
@@ -63,6 +63,7 @@
 **
 **           support.
 **      OM 20201030      Invalid attribute API support for getters/setters.
 **      OM 20201203      Fixed handling of READ/ONLY attributes.
 *** 028 RFB 20210512      Initial value of lastkey changed from 401 to -1.
 */

/*
@@ -1070,7 +1071,7 @@
     private Long id = null;

     /** Stores the last key read from any source (stream or terminal). */
-    private int lastkey = 401;
+    private int lastkey = -1;

     /** Stores the last extended keys state. */
     private int lastKeyState = 0;
```

#2 - 05/13/2021 11:55 AM - Greg Shah

I have no objection to the change. You can put it in 3821c.

#3 - 05/13/2021 12:06 PM - Roger Borrello

- % Done changed from 0 to 100

- Status changed from New to Feedback

Committed in rev 12413. I was trying to figure out why F1 would be the initial value, especially with your comment in there:

```
** 005 GES 20060207 @24326 Ensure that lastkey is set to -1 in case
**                               there is a StopConditionException while
**                               reading.
```

#4 - 05/13/2021 01:35 PM - Greg Shah

I don't know. But my history entry may not have been referring to the default value at startup.

#5 - 05/14/2021 09:36 AM - Greg Shah

- *Status changed from Feedback to Closed*