User Interface - Bug #8204

REGRESSION: separator should not show in a new date editing browse shell for unknown value

01/19/2024 09:40 AM - Vladimir Tsichevski

Status:	Test	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	100%
Category:		**Estimated time:**	0.00 hour
Target version:			
billable:	No	**case_num:**	
vendor_id:	GCD		
Description			
Related issues:			
Related to User Interface - Bug #8210: REGRESSION: separator should not show ...		**Test**	

History

#1 - 01/19/2024 10:38 AM - Vladimir Tsichevski

- Status changed from New to WIP

If a browse cell is of date type, and date format includes date component separators (e.g. 9999/99/99), and an unknown date is used as the model, the separators should **not** be displayed (the cell should be displayed as blank instead of   / / for the format mentioned).
This behavior is different from that for date editing FILL-IN s, where the separators should be visible.

This issue arises due to the fact that browser cells and FILL-IN s use the same class DateFormat$DateBuf to format dates.

As of trunk rev. 14925, this behavior is implemented in the DateBuf constructor code as:

```
        // Do not show delimiters for unknown value
        // with either no delimiters format or browse cell fill-in.
        if(isUnknown)
        {
           if(!hasFmtSeparator())
           {
              return;
           }

           final EditableField fillIn = editableSource;
           if((fillIn instanceof FillInGuiImpl) && ((FillInGuiImpl)fillIn).isLinkedToBrowse())
           {
                return;
           }
        }

        initScreen(screenValue, varDate);
```

Here an attempt is made to decide if we are inside a browse, but it fails when we are called from the following browse code:

```
   public static String getCellText(BrowseColumnConfig columnConfig, BaseDataType var)
   throws DisplayFormatCheckException
   {
      if (var == null)
      {
         return "";
      }

      return getDisplayFormat(columnConfig).fromVar(var).toScreenValue();
   }
```

Here an temporary instance of DateBuf is created by DateFormat.fromVar(var), which is not connected to any FILL-IN.

#3 - 01/19/2024 10:54 AM - Vladimir Tsichevski

The proposed solution is to change the line:

```
    if (var == null)
```

to:

```
    if (var == null || var.isUnknown())
```

The common idea here is also: all code related to browse should reside in browse classes.

#4 - 01/22/2024 04:10 PM - Vladimir Tsichevski

- Related to Bug #8210: REGRESSION: separator should not show in date editing FILL-IN in ChUI when FILL-IN is cleared added

#5 - 01/22/2024 04:26 PM - Vladimir Tsichevski

- % Done changed from 0 to 50

Vladimir Tsichevski wrote:

> The proposed solution is to change the line:

This change fixes the browse date cell display, so now all related ChUI tests are passing.

#6 - 01/23/2024 08:01 AM - Greg Shah

Stanislav: Please review.

Vladimir: Please put the change in a branch. What remains in this task?

#7 - 01/23/2024 09:48 AM - Vladimir Tsichevski

- % Done changed from 50 to 100

- Status changed from WIP to Review

Greg Shah wrote:

> Stanislav: Please review.

> Vladimir: Please put the change in a branch. What remains in this task?

Done 8204a, rev. 14941, based on trunk rev. 14940.

This fixes some cases in ChUI test suite. We can merge this to trunk now or wait until all known regressions related to date editing are fixed.

#8 - 01/23/2024 02:16 PM - Stanislav Lomany

```
if (var == null || var.isUnknown())
```

Vladimir, your change should be limited to date, datetime and datetime-tz. For the other types unknown value is rendered as a question mark.

#9 - 01/23/2024 02:19 PM - Vladimir Tsichevski

- Status changed from Review to WIP

- % Done changed from 100 to 90

Stanislav Lomany wrote:

> ```
> if (var == null || var.isUnknown())
> ```

> Vladimir, your change should be limited to date, datetime and datetime-tz. For the other types unknown value is rendered as a question mark.

Thank you, Stanislav, will re-test and fix this...

#10 - 01/24/2024 07:06 AM - Vladimir Tsichevski

- % Done changed from 90 to 100

- File BrowseFWD.png added

- File BrowseOE.png added

- Status changed from WIP to Review

Stanislav Lomany wrote:

> if (var == null || var.isUnknown())

> Vladimir, your change should be limited to date, datetime and datetime-tz. For the other types unknown value is rendered as a question mark.

The code changed to:

```
if (var == null || (var instanceof date && var.isUnknown()))
{
   return "";
}
```


this fixes the problem for date and sub-classes.

The program to test:

```
DEFINE TEMP-TABLE tt
  FIELD col1 AS DATE
  FIELD col2 AS DATETIME
  FIELD col3 AS DATETIME-TZ
  FIELD col4 AS CHARACTER
  FIELD col5 AS INTEGER
  FIELD col6 AS DECIMAL
  .
CREATE tt.
tt.col1 = ?.
tt.col2 = ?.
tt.col3 = ?.
tt.col4 = ?.
tt.col5 = ?.
tt.col6 = ?.
CREATE tt.
CREATE tt.

DEFINE QUERY q FOR tt SCROLLING.
OPEN QUERY q FOR EACH tt.

DEFINE BROWSE hBrowse QUERY q
   DISPLAY
    tt.col1 WIDTH 10 LABEL "Date"
    tt.col2 WIDTH 10 LABEL "Datetime"
    tt.col3 WIDTH 12 LABEL "DatetimeTZ"
    tt.col4 WIDTH 10 LABEL "Character"
    tt.col5 WIDTH 10 LABEL "Integer"
    tt.col6 WIDTH 10 LABEL "Decimal"

   ENABLE ALL
   WITH
    SIZE-CHARS 75 BY 5
    TITLE "All-types BROWSE".

DEFINE FRAME fr
  hBrowse
  WITH TITLE "Frame" SIZE 80 BY 10 NO-LABELS .
```
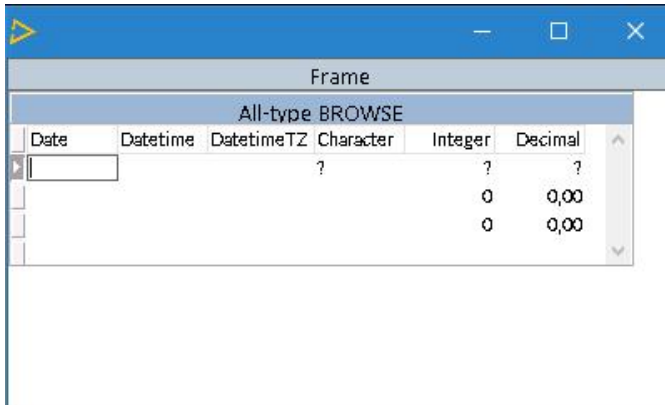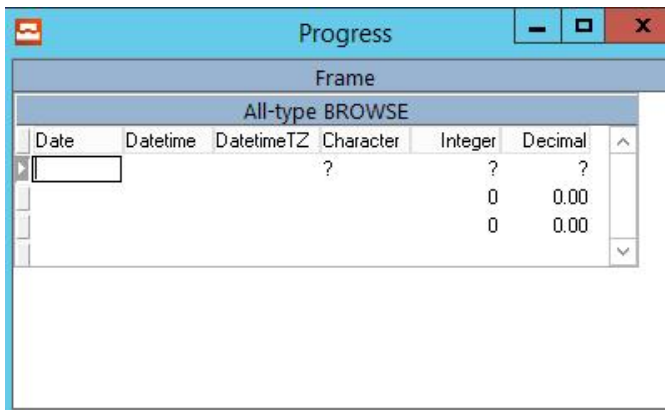
```
ENABLE ALL WITH FRAME fr.

WAIT-FOR WINDOW-CLOSE OF DEFAULT-WINDOW.
```

The screen in FWD Swing:

The same screen in OE:

The change committed to 8204a rev. 14942.

#11 - 01/24/2024 10:34 AM - Greg Shah

Stanislav: Please review.

#12 - 01/24/2024 11:33 AM - Stanislav Lomany

I'm OK with the changes.

#13 - 01/24/2024 01:43 PM - Greg Shah

- Status changed from Review to Internal Test

What testing is needed?

#14 - 01/24/2024 01:56 PM - Vladimir Tsichevski

Greg Shah wrote:

> What testing is needed?

Running Majic tests is the only tests I can think of for now.

#15 - 01/26/2024 07:34 AM - Vladimir Tsichevski

- Status changed from Internal Test to Review

Another fixes are required:

1. in Browse.createEditingFillIn the browse column must be set in the connected FILL-IN **before** initialize() is called for the FILL-IN. Otherwise the **FILL-IN** does not know it belongs to a browse at the moment it **initializes its screen value**. This fixed in 8204a rev. 14943.
2. Also the DateFormat.DateBuf(date) constructor fixed: allow the "browse with no separators" feature in ChUI also. This fixed in 8204a rev. 14944.

Also some non-functional code clean-up added in rev. 14945.

Please, review.

#16 - 01/26/2024 07:48 AM - Greg Shah

Stanislav/Hynek: Please review ASAP.

I'd like to get this change into trunk quickly.

#17 - 01/26/2024 08:28 AM - Stanislav Lomany

I'm OK with the changes. One minor typo correction: our fill-in has to know it belong so a browse *before* at the time initialize() is called should probably be our fill-in has to know it belongs to a browse *before* the time initialize() is called

#18 - 01/26/2024 08:40 AM - Hynek Cihlar

Greg Shah wrote:

> Stanislav/Hynek: Please review ASAP.

The changes look good.

#19 - 01/26/2024 08:41 AM - Vladimir Tsichevski

Stanislav Lomany wrote:

> I'm OK with the changes. One minor typo correction: our fill-in has to know it belong so a browse *before* at the time initialize() is called should probably be our fill-in has to know it belongs to a browse *before* the time initialize() is called

Thanx. Fixed in rev. 14946.

#20 - 01/26/2024 09:07 AM - Greg Shah

- Status changed from Review to Internal Test

What testing is needed?

#21 - 01/26/2024 09:27 AM - Vladimir Tsichevski

Greg Shah wrote:

> What testing is needed?

I'd like to run Majic suite with 6667i, but the repo should be rebased to the latest trunk first. Shall I ask Tomasz to do that? Or, I can do this myself?

#22 - 01/29/2024 06:33 AM - Greg Shah

Please report the regression testing results here and the next steps if any other testing is needed.

#23 - 01/29/2024 07:56 AM - Greg Shah

Please summarize the testing results here.

#24 - 01/29/2024 08:04 AM - Greg Shah

I want this branch merged today unless there is an issue.

#25 - 01/29/2024 08:10 AM - Vladimir Tsichevski

Greg Shah wrote:

> Please summarize the testing results here.

4 tests failed (3 original issues others are dependencies):

1. gso338: The screen has an unexpected extra line:

```
THIS RECORD HAS BEEN DELETED BY ANOTHER USER
```

According to Tomasz:

> gso338_session2 - possibly problem with DirtyShare , badly reported record state

3. gso_453: REBALANCE ITEM QTY ALLOCATED TO JOB AND WIP

```
The client crashed.
```

2. tc_pay_emp_wr_rpt_002:

The unexpected lines:

```
WARNING: Export file /mnt/sdb1/majic/majic_xfer/output/Acct/NR10012009.EXP
exists!
```

This is somehow related to test workflow iteself: the test output file was not deleted before the test body was executed.

#26 - 01/29/2024 08:12 AM - Vladimir Tsichevski

Greg Shah wrote:

> I want this branch merged today unless there is an issue.

I am ready to merge.

#27 - 01/29/2024 08:12 AM - Greg Shah

In summary: there were some failures but they were unrelated to this task.

You can merge to trunk now.

#28 - 01/29/2024 09:10 AM - Vladimir Tsichevski

Greg Shah wrote:

> In summary: there were some failures but they were unrelated to this task.
>
> You can merge to trunk now.

Merged to trunk as rev. 14950.

#29 - 01/29/2024 01:17 PM - Greg Shah

- Status changed from Internal Test to Test

Files

BrowseOE.png	5.56 KB	01/24/2024	Vladimir Tsichevski
BrowseFWD.png	3.58 KB	01/24/2024	Vladimir Tsichevski