

Base Language - Bug #5761

replace `ErrorManager.displayError` with `recordOrThrowError` and fix `recordOrShowError` to morph into a `recordOrThrowError` in certain cases.

10/21/2021 12:14 PM - Constantin Asofiei

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		case_num:	
billable:	No		
vendor_id:	GCD		
Description			
Related issues:			
Related to Base Language - Feature #4373: finish core OO 4GL support		New	
Related to Base Language - Feature #4352: finish progress.lang.apperror and p...		Rejected	
Related to Database - Bug #6919: fix <code>ErrorManager.displayError</code> in <code>TempTableBu...</code>		Review	

History

#2 - 10/21/2021 12:23 PM - Constantin Asofiei

From #5070-16:

The NPE is because of a `create-like("")` call on a temp-table handle. I need to debug OE and find if the temp-table name is really empty at that step... as after fixing the NPE I get error dialogs displayed, but the report completes.

The main problem is that `ErrorManager.displayError` is used a lot from `p2j.persist` and `p2j.util` packages.

From what I tested in this specific `create-like("")` case, the `recordOrShowError` should have been used. But, in OE if block-level on error undo, `throw.`, an `SysError` is raised - and in FWD, `recordOrShowError` does not do this.

So I need to fix/check two things:

- if `recordOrShowError` must be used instead of `displayError` (at least in `p2j.persist` APIs related to handle methods/attributes)
- fix `recordOrShowError` to throw a `SysError` if block-level on error undo, `throw.` is set.

From other testing, in the following circumstances this will set `ERROR-STATUS:ERROR` to true or raise a legacy OE error (if `NO-ERROR` is not set):

- block-level on error undo, `throw.` is set
- `ON ERROR UNDO, THROW` is at the block
- a catch block for `progress.lang.syserror` exists at the block

For the last two, we need to check if the catch or `ON` clause is required to be at the parent block or anywhere on the stacktrace. The idea is that in these cases, OE raises a `progress.lang.syserror`.

Also, in FWD `ErrorManager.displayError` is used in a lot of places. I found that for some of them, like usage in `p2j.persist` temp-table related classes, was incorrectly determined that the error is displayed and not logged if `NO-ERROR` is used. Although I think there are legitimate cases where `displayError` must be used, we need to review all usages of this in FWD, and see which are the legitimate ones.

#3 - 10/21/2021 01:29 PM - Greg Shah

- Related to Feature #4373: finish core OO 4GL support added

#4 - 10/21/2021 01:29 PM - Greg Shah

- Related to Feature #4352: finish progress.lang.apperror and progress.lang.syserror added

#6 - 11/08/2022 12:46 PM - Constantin Asofiei

- Related to Bug #6919: fix `ErrorMessage.displayError` in `TempTableBuilder` added

#7 - 11/08/2022 12:46 PM - Constantin Asofiei

Added [#6919](#) for the `TempTableBuilder/AbstractTempTable` cases.