

Bugs - Bug #20

NO-ERROR does not work for FIND statement on preselected results

09/24/2011 12:00 PM - Stanislav Lomany

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
billable:	No	case_num:	
vendor_id:	GCD	version:	
Description			

History

#1 - 09/24/2011 12:59 PM - Stanislav Lomany

@45268 - issue description:

NO-ERROR option does not work in P2J for FIND statement on preselected results (affects Majic!).

```
def temp-table a
  field a1 as integer
  field a2 as integer
  field a3 as integer
  index idxa a1 a2.

create a. a1 = 1.
create a. a1 = 2.

/* correct output is "avail, avail, not avail" */
REPEAT PRESELECT EACH a:
  find next a no-error.
  if avail(a) then message "avail".
  else do:
    message "not avail".
    leave.
  end.
end.
```

I found 5 places in Majic that use this feature. Some use find no-error + if not avail then leave construction . In this case error may not be noticed.

```
repeat preselect each itemloc
  where itemloc.item      = it-req.item
    and itemloc.site      = it-req.site
    and itemloc.facility-code = it-req.facility-code
  exclusive-lock
  by itemloc.rank
  by itemloc.item:
  find next itemloc no-error.
  if not available itemloc
  then
    leave.
  t-rank = t-rank + 1.
  itemloc.rank = t-rank.
end.
```

However some use more complicated logic:

```
do preselect each jobtran no-lock
  where jobtran.co-num = job.co-num
    and jobtran.timco-oper = job.timco-oper
  by co-num
  by timco-oper
  by trans-date:
```

```
find first jobtran
  no-error.
if available jobtran
then
  s-date = jobtran.trans-date.
else
  s-date = ?.
find last jobtran
  no-error.
if available jobtran
then
  e-date = jobtran.trans-date.
else
  e-date = ?.
if s-date = ? or
  e-date = ?
then
  t-elapsed = 0.
else
  t-elapsed = e-date - s-date + 1.
end.
```

I found the facility (CUSTOMER 124 FILE EXPORT) that just don't work because of this error. The only logical explanation why this error was unnoticed is that TIMCO has never used this facility.

#3 - 09/24/2011 01:03 PM - Stanislav Lomany

@45270 - possible solution:

It seems the conversion must emit something different: either we bracket the first/last/next/previous retrieval methods with calls to `ErrorManager.silentError(En|Dis)able()` or we replace or overload the retrieval methods with no-error versions/signatures. Personally, I prefer the latter; we can hide the `ErrorManager` calls in the runtime instead of having 2 extra lines in the converted code.

#4 - 04/12/2012 11:23 AM - Stanislav Lomany

Imported from JPRM on 2012-04-12 11:23:12.339:

```
TASKID      = 6125
PROJECTID   = 124
STATUS      = 3 (Hold)
DESCRIPTION = NO-ERROR does not work for FIND statement on preselected results
OWNER       = SVL
ASSIGNEE    =
BILLABLE    = false
PRIORITY    = 5 (Normal)
PHASE       = 52 (Problem Resolution)
COMPONENT   = 0
ESTEFFORT   = 0.000000
ESTSTART    = 2011-09-24
ESTSTOP     =
ACTSTOP     =
CASENUM     =
VENDORID    =
COMMENT     = ''
LASTWIP     =
```