

## How to - Customize Record Navigation

You can use the Before Next Record Key (BNEK) and Before Previous Record Key (BPRK) callpoints to "read ahead" of Barista and determine which record should be displayed when moving to the previous or next record.

In AddonSoftware, Sales Orders and Invoices are stored in the same physical table. However when entering Orders, users are limited to creating/viewing only Order records (not Invoices). The following code excerpt from the BNEK callpoint controls which record comes up when the user requests the next record.

1. If the form is currently clear, set the correct starting point:

```
rem --- Position the file at the correct record

if callpoint!.getDevObject("new_rec")="Y"
  start_key$=firm_id$+" "
  cust_id$=callpoint!.getColumnData("OPE_ORDHDR.CUSTOMER_ID")
  order_no$=callpoint!.getColumnData("OPE_ORDHDR.ORDER_NO")
  if cvs(cust_id$,2)<>" "
    start_key$=start_key$+cust_id$
    if cvs(order_no$,2)<>" "
      start_key$=start_key$+order_no$
    endif
  endif
endif

while 1
  read record (ope01_dev,key=start_key$,dom=*break)
  extract record (ope01_dev,key=start_key$)
  break
wend
endif
```

2. Now loop through records until we reach the next non-voided Order record. If we hit the end of the file, cycle back from the beginning or display a message if we've already cycled through. If we find an Order record, break from the callpoint and return control to Barista for record display.

```
hit_eof=0
while 1
  read record (ope01_dev, dir=0, end=eof) ope01a$
  if ope01a.firm_id$ = firm_id$ then
    if ope01a.ordinv_flag$ = "O" and ope01a.invoice_type$ <> "V"
```

```
        rem --- Have a keeper, stop looking
        break
    else
        rem --- Keep looking
        read (ope01_dev, end=*endif)
        continue
    endif
endif
rem --- End-of-firm

eof: rem --- If end-of-file or end-of-firm, rewind to first record of
the firm
read (ope01_dev, key=firm_id$, dom=*next)
hit_eof=hit_eof+1
if hit_eof>1 then
    msg_id$ = "OP_ALL_WRONG_TYPE"
    gosub disp_message
    callpoint!.setStatus("ABORT")
    break
endif
wend
```