

GX Editable Combo Boxes

A GX Editable Combo Box is implemented by a combination of a special label field and the ACMBO\$, CCMBO\$ and DCMDO\$ sub-routines.

A GX Combo Box is defined as data field that is overlaid with a button containing the following special text:

```
"~Dn $dd$ "
```

where:

D GX Editable Combo Box specifier
n GX Combo Box index number (1 - 9; A - Z)
dd Depth of list box in lines (a leading 0 is required if less than 10)

When this combination of button and data field definitions are detected by GX, the normal button and edit control displays are suppressed and a combo box is created instead. The creation of an Editable Combo Box means that a response that is not present in the drop-down list can be entered by the operator. The list is normally created in the B- routine for the data-field, by calling ACMBO\$ repeatedly to build the list, and in the R-FUNC routine when the GX Combo Box button is selected.

Version Requirements

GX V3.2b

See Also

ACMBO\$

CCMBO\$

DCMBO\$

GX Fixed List Combo Boxes

Example

```
FRAME COMBO
DATA DIVISION
*
77 DATE        PIC X(2)
77 MONTH       PIC X(9)
77 YEAR        PIC X(4)
77 MLEN        PIC X(5)
77 Z-92        PIC 9(2)
77 Z-92C       PIC 9(2) COMP
77 Z-94        PIC 9(4)
77 Z-94C       PIC 9(4) COMP
*
77 CBTEXT      PIC X(15)
01 FILLER REDEFINES CBTEXT OCCURS 15
   03 CBTXT9 PIC 9(2) COMP
*
77 MESS1      PIC X(?)
              VALUE "Please enter date"
              VALUE #00
77 MESS2      PIC X(?)
              VALUE "Please enter month"
              VALUE #00
77 MESS3      PIC X(?)
              VALUE "Please enter year"
```

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```

VALUE #00
77 CLEARM      PIC X
VALUE #00
*
WINDOW W1
*
BASE AT 04 04
LINE 3 5
*
01 02 "Date selection window" A12
*
02 02 "Date"
02 18 DATE X(2) NSC
02 18 "~D110"          BTN U50          * Combo box 1, 10 items visible in list
*
04 02 "Month"
04 11 MONTH X(9) NSC
04 11 MLEN          BTN U51          * Combo box 2, 4 items visible in list
*
06 02 "Year"
06 16 YEAR X(4) NSC
06 16 "~C306"      BTN U52          * Combo box 3, 6 items visible in list
*
ROUTINES SECTION
*
B-DATE.
    ENABLE BUTTON 50
    IF DATE NOT = SPACES EXIT          * If field already set then exit immediately
                                        * to avoid re-initialising the list.
    CALL CCMBOS$ USING 1              * Clear the current list
    IGNORE EXCEPTION
    PERFORM CA-ADD-DATES              * Add dates to the list
*   MOVE "0" TO DATE                  * Set up a default - GX will select
                                        * this in the combo box so it MUST
*   EXIT                              * be an valid entry.
B-MONTH.
    DISABLE BUTTON 50
    IF MONTH NOT = SPACES EXIT
    CALL CCMBOS$ USING 2
    IGNORE EXCEPTION
    PERFORM CC-ADD-MONTHS
    EXIT
*
B-YEAR.
    IF YEAR NOT = SPACES EXIT
    CALL CCMBOS$ USING 3
    IGNORE EXCEPTION
PERFORM CE-ADD-YEARS
    MOVE "2002" TO YEAR
    EXIT
*
R-FUNC.
    IF $FUNC < 50 EXIT
    IF $FUNC > 99 EXIT

    IF $FUNC = 50
        CALL CCMBOS$ USING 1          * Clear the current list
        IGNORE EXCEPTION
        PERFORM CA-ADD-DATES          * Add dates to the list
        CALL DCMBOS$ USING 1         * List displayed here to show the
        IGNORE EXCEPTION              * finished list
    END
*
    IF $FUNC = 51
        CALL CCMBOS$ USING 2
        IGNORE EXCEPTION
        CALL DCMBOS$ USING 2
        IGNORE EXCEPTION
        PERFORM CC-ADD-MONTHS
    END
*

```

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```

IF $FUNC = 52
  CALL CCMBO$ USING 3
  IGNORE EXCEPTION
  CALL DCMBO$ USING 3
  IGNORE EXCEPTION
  PERFORM CE-ADD-YEARS
END

EXIT
*
ENDWINDOW
*
PROCEDURE DIVISION
*
  MOVE "~C212" TO MLEN

  ENTER WINDOW W1
  IGNORE EXCEPTION
*
  CALL GXSBM$ USING CLEARM
  IGNORE EXCEPTION
  STOP RUN
*
CA-ADD-DATES.
*
  DO FOR Z-92C = 1 TO 31
    MOVE Z-92C TO Z-92
    MOVE Z-92 TO CBTEXT
    MOVE 0 TO CBTXT9(3)
    CALL ACMBO$ USING 1 CBTEXT
    IGNORE EXCEPTION
  ENDDO
*
  EXIT
*
CC-ADD-MONTHS.
*
  MOVE "January" TO CBTEXT
  MOVE 0 TO CBTXT9(8)
  CALL ACMBO$ USING 2 CBTEXT
  IGNORE EXCEPTION
  MOVE "February" TO CBTEXT
  MOVE 0 TO CBTXT9(9)
  CALL ACMBO$ USING 2 CBTEXT
  IGNORE EXCEPTION
  MOVE "March" TO CBTEXT
  MOVE 0 TO CBTXT9(6)
  CALL ACMBO$ USING 2 CBTEXT
  IGNORE EXCEPTION
  MOVE "April" TO CBTEXT
  MOVE 0 TO CBTXT9(6)
  CALL ACMBO$ USING 2 CBTEXT
  IGNORE EXCEPTION
  MOVE "May" TO CBTEXT
  MOVE 0 TO CBTXT9(4)
  CALL ACMBO$ USING 2 CBTEXT
  IGNORE EXCEPTION
  MOVE "June" TO CBTEXT
  MOVE 0 TO CBTXT9(5)
  CALL ACMBO$ USING 2 CBTEXT
  IGNORE EXCEPTION
  MOVE "July" TO CBTEXT
  MOVE 0 TO CBTXT9(5)
  CALL ACMBO$ USING 2 CBTEXT
  IGNORE EXCEPTION
  MOVE "August" TO CBTEXT
  MOVE 0 TO CBTXT9(7)
  CALL ACMBO$ USING 2 CBTEXT
  IGNORE EXCEPTION
  MOVE "September" TO CBTEXT
  MOVE 0 TO CBTXT9(10)

```

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```
CALL ACMBO$ USING 2 CBTEXT
IGNORE EXCEPTION
MOVE "October" TO CBTEXT
MOVE 0 TO CBTXT9(8)
CALL ACMBO$ USING 2 CBTEXT
IGNORE EXCEPTION
MOVE "November" TO CBTEXT
MOVE 0 TO CBTXT9(9)
CALL ACMBO$ USING 2 CBTEXT
IGNORE EXCEPTION
MOVE "December" TO CBTEXT
MOVE 0 TO CBTXT9(9)
CALL ACMBO$ USING 2 CBTEXT
IGNORE EXCEPTION
*
EXIT
*
CE-ADD-YEARS.
*
DO FOR Z-94C = 2000 TO 2009
MOVE Z-94C TO Z-94
MOVE Z-94 TO CBTEXT
MOVE 0 TO CBTXT9(5)
CALL ACMBO$ USING 3 CBTEXT
IGNORE EXCEPTION
ENDDO
EXIT
*
ENDFRAME
ENDSOURCE
```