

File created: 4-May-87 11:52:50 {DSK}<LISPPFILES>MATT>INSPECTCODE-TEDIT.;10

changes to: (ADVISE OPENTEXTSTREAM-IN-\TEDIT.INSPECTCODE)  
(FILEVARS INSPECTCODE-TEDITCOMS)  
(FNS TITLEMENU-FN OPENTEXTSTREAM-FOR-\TEDIT.INSPECTCODE)

previous date: 7-Apr-87 16:03:12 {DSK}<LISPPFILES>MATT>INSPECTCODE-TEDIT.;9

Read Table: INTERLISP

Package: INSPECTCODE-TEDIT

Format: XCCS

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### (RPAQQ INSPECTCODE-TEDITCOMS

```
((FNS BUILD.TITLEMENU ICON-FN INSP.ERROR KILL.TEDIT.PROCESS NOSELFN OPENTEXTSTREAM-FOR-\TEDIT.INSPECTCODE
TITLEMENU-FN)
(UGLYVARS ICON.TEMPLATE)
(P (CHANGENAME '\TEDIT.INSPECTCODE 'TEXTICON 'ICON-FN)
(CHANGENAME '\TEDIT.INSPECTCODE 'OPENTEXTSTREAM 'OPENTEXTSTREAM-FOR-\TEDIT.INSPECTCODE))
(COMMANDS IC)
(PROP (FILETYPE MAKEFILE-ENVIRONMENT)
INSPECTCODE-TEDIT))
```

(DEFINEQ

### (BUILD.TITLEMENU

```
[LAMBDA NIL ; Edited 30-Mar-87 16:32 by Matt Heffron
(DECLARE (GLOBALVARS TITLEMENU)
(SETQ TITLEMENU (create MENU
ITEMS _ '((GraphCalls 'GC "Invoke GRAPHCALLS on the current selection")
(InspectCode 'IC "INSPECTCODE the current selection")
(Inspect 'INSP "INSPECT the current selection" (SUBITEMS
(Freely 'INSP "INSPECT the
free-reference value
of the selection")
(Globally 'INSP.GLOB
"INSPECT the Global
(Top Level) value of
the selection")
("In Process Context"
'INSP.PROC "INSPECT the
value of the selection in
a process' context")))
("Pretty Print Value" 'PPV "Pretty Print the value of the current
selection" (SUBITEMS (Freely 'PPV "Pretty Print the free-reference
value of the selection")
(Globally 'PPV.GLOB "Pretty Print the Global (Top
Level) value of the selection")
("In Process Context" 'PPV.PROC "Pretty Print the
value of the selection in a process'
context")))
(Quit 'QUIT "Terminates this INSPECTCODE"])
```

### (ICON-FN

```
[LAMBDA (W) ; Edited 30-Mar-87 15:59 by Matt Heffron
(DECLARE (GLOBALVARS ICON.TEMPLATE))
(LET ((ICON (TITLEDICONW ICON.TEMPLATE (WINDOWPROP W 'FNNAME)
(FONTCREATE 'HELVETICA 8 'MRR NIL NIL T)
NIL T)))
(WINDOWPROP W 'ICON ICON)
(WINDOWPROP W 'ICONWINDOW ICON)
(WINDOWPROP W 'ICONFN NIL)
ICON])
```

### (INSP.ERROR

```
[LAMBDA (MESS1 MESS2 MESS3) ; Edited 30-Mar-87 16:00 by Matt Heffron
(CLRPROMPT)
(if (NOT MESS2)
then (PROMPTPRINT MESS1)
elseif (NOT MESS3)
then (PROMPTPRINT MESS1 MESS2)
else (PROMPTPRINT MESS1 MESS2 MESS3))
(RINGBELLS])
```

### (KILL.TEDIT.PROCESS

```
[LAMBDA (W) ; Edited 30-Mar-87 16:00 by Matt Heffron
(DEL.PROCESS (WINDOWPROP W 'PROCESS])
```

(NOSELFN

```
[LAMBDA NIL
  (CLRSPROMPT)
  (PROMPTPRINT "No current selection")
  (RINGBELLS)]
```

; Edited 30-Mar-87 16:01 by Matt Heffron

(OPENTEXTSTREAM-FOR-TEDIT.INSPECTCODE

```
[LAMBDA (TEXT WINDOW START END PROPS)
  (PROG1 [OPENTEXTSTREAM TEXT WINDOW START END (APPEND PROPS ' (QUITFN T TITLEMENUFN TITLEMENU-FN NOTITLE T)
  (WINDOWADDPROP WINDOW 'CLOSEFN (FUNCTION KILL.TEDIT.PROCESS))
  (WINDOWPROP WINDOW 'FNNAME FN)
  (WINDOWPROP WINDOW '*PACKAGE* *PACKAGE*)
  (WINDOWPROP WINDOW '*READTABLE* *READTABLE*)]))]
```

; Edited 4-May-87 11:47 by

(TITLEMENU-FN

```
[LAMBDA (W)
  (DECLARE (GLOBALVARS TITLEMENU))
  (if (OR (NOT (BOUNDP 'TITLEMENU))
    (NOT (type? MENU TITLEMENU)))
    then (BUILD.TITLEMENU))
  [LET* ((STREAM (TEXTSTREAM W))
    (W*PACKAGE* (WINDOWPROP W '*PACKAGE*))
    (W*READTABLE* (WINDOWPROP W '*READTABLE*))
    (SELLEN (fetch (SELECTION DCH) of (TEDIT.GETSEL STREAM)))
    (MENUCHOICE (MENU TITLEMENU))
    (SpecifyRegionString "Specify a region for the value pretty print window")
    INSPVAL SELSTR DISPLAYWINDOW)
    (if (NOT MENUCHOICE)
      then ; Nothing to do, clicked out of menu
      elseif (EQ MENUCHOICE 'QUIT)
      then (TEDIT.QUIT STREAM)
        (if (OPENWP W)
          then (CLOSEW W))
      else [if (EQ SELLEN 0)
        then (NOSELFN)
        elseif (GREATERP SELLEN 255)
        then (INSP.ERROR "Selection is too long (> 255 characters)")
          (TEDIT.SHOWSEL STREAM NIL NIL)
          (TEDIT.SETSEL STREAM 0 0 'LEFT)
        else (SETQ SELSTR (LET ((*PACKAGE* W*PACKAGE*)
          (*READTABLE* W*READTABLE*)
          (STRM (OPENSTRINGSTREAM (TEDIT.SEL.AS.STRING STREAM NIL)
            'INPUT)
          (READ STRM]
          (SELECTQ MENUCHOICE
            (IC (LET ((*PACKAGE* W*PACKAGE*)
              (*READTABLE* W*READTABLE*))
              (INSPECTCODE SELSTR)))
            (GC (if (FGETD 'GRAPHCALLSW)
              then (if (NOT (LET ((*PACKAGE* W*PACKAGE*)
                (*READTABLE* W*READTABLE*))
                (GRAPHCALLS SELSTR)))
                then (INSP.ERROR "Nothing to graph!!")
              else (INSP.ERROR "The GRAPHCALLS package is not loaded. Cannot graph " SELSTR)))
            ((INSP PPV)
              (if (BOUNDP SELSTR)
                then (if (EQ MENUCHOICE 'PPV)
                  then (PROMPTPRINT SpecifyRegionString)
                    (SETQ DISPLAYWINDOW (CREATEW (GETREGION (WIDTHIFWINDOW 72)
                      (HEIGHTIFWINDOW 72 T))
                    SELSTR))
                    (CLRSPROMPT)
                    (printout DISPLAYWINDOW .PPV (EVAL SELSTR))
                  else (INSPECT (EVALV SELSTR)))
                else (INSP.ERROR SELSTR " has no value to " (if (EQ MENUCHOICE 'PPV)
                  then "print"
                  else "inspect"))))
            ((INSP.GLOB PPV.GLOB)
              (if (NEQ (SETQ INSPVAL (GETTOPVAL SELSTR))
                'NOBIND)
                then (if (EQ MENUCHOICE 'PPV.GLOB)
                  then (PROMPTPRINT SpecifyRegionString)
                    (SETQ DISPLAYWINDOW (CREATEW (GETREGION (WIDTHIFWINDOW 72)
                      (HEIGHTIFWINDOW 72 T))
                    SELSTR))
                    (CLRSPROMPT)
                    (printout DISPLAYWINDOW .PPV INSPVAL)
                  else (INSPECT INSPVAL))
                else (INSP.ERROR SELSTR " has no Global value to " (if (EQ MENUCHOICE 'PPV.GLOB)
                  then "print"
                  else "inspect"))))
            ((INSP.PROC PPV.PROC)
              (LET (PROCESSLIST PROC)
```

; Edited 4-May-87 11:32 by  
; Edited 4-May-87 11:25 by  
; Edited 4-May-87 11:19 by

```
(DECLARE (SPECVARS PROCESSLIST))
[MAP.PROCESSES (FUNCTION (LAMBDA (PHANDLE PNAME PFORM)
  (DECLARE (SPECVARS PROCESSLIST))
  (push PROCESSLIST (LIST PNAME PHANDLE))
  (SETQ PROC (MENU (create MENU
    ITEMS _ PROCESSLIST
    CENTERFLG _ T)))
  (if PROC
    then [if (NEQ (SETQ INSPVAL (PROCESS.EVALV PROC SELSTR))
      'NOBIND)
      then (if (EQ MENUCHOICE 'PPV.PROC)
        then (PROMPTPRINT SpecifyRegionString)
        (SETQ DISPLAYWINDOW (CREATEW (GETREGION (WIDTHIFWINDOW
          72)
          (HEIGHTIFWINDOW
          72 T))
          SELSTR))
          (CLRSPROMPT)
          (printout DISPLAYWINDOW .PPV INSPVAL)
        else (INSPECT INSPVAL))
      else (INSP.ERROR SELSTR (if (EQ MENUCHOICE 'PPV.PROC)
        then " has no value to print in process "
        else " has no value to inspect in process "
        (PROCESSPROP PROC 'NAME))
      else (INSP.ERROR "No process selected. Will not "
        (if (EQ MENUCHOICE 'PPV.PROC)
          then "print "
          else "inspect ")
        SELSTR)))]
  (PROGN ]
  ; Shouldn't happen, but ignore it.
```

NIL])

```
(READVAR-FROM-STRING 'ICON.TEMPLATE "({(READBITMAP) (87 91
```

```
%"OOOOOOOOOOOOOOOOOOOOON@@%"
%"OOOOOOOOOOOOOOOOOOOOON@@%"
%"L@@@@@@@@@@@@@@@@@@@@@F@@"
%"L@@@@@@@@@@@@@@@@@@@@@F@@"
%"L@@@@@@@@@@@@@@@@@@@@@F@@"
%"L@@@@@@@@@@@@@@@@@@@@@F@@"
%"L@@@@@@@@@@@@@@@@CO@@@@@F@@"
%"L@@@@@@@@@@@@@A@@@@@@@@@F@@"
%"L@@@@@@@@@@@@@GN@AOH@@@@@F@@"
%"L@@@@@@@@@@@@@A@@@@@CN@@@@@F@@"
%"L@@@@@@@@@@@@@CL@@@@@O@@@@@F@@"
%"L@@@@@@@@@@@@@O@@@@@CL@@@@@F@@"
%"L@@@@@@@@@@@@@AN@@@@@AN@@@@@F@@"
%"L@@@@@@@@@@@@@CH@@@@@G@@@@@F@@"
%"L@@@@@@@@@@@@@C@@@@@C@@@@@F@@"
%"L@@@@@@@@@@@@@G@@@@@CH@@@@@F@@"
%"L@@@@@@@@@@@@@N@@@@@AL@@@@@F@@"
%"L@@@@@@@@@@@@@L@@@@@L@@@@@F@@"
%"L@@@@@@@@@@@@@AL@@@@@N@@@@@F@@"
%"L@@@@@@@@@@@@@AH@@@@@F@@@@@F@@"
%"L@@@@@@@@@@@@@CH@@@@@G@@@@@F@@"
%"L@@@@@@@@@@@@@C@@@@@C@@@@@F@@"
%"L@@@@@@@@@@@@@C@@@@@C@@@@@F@@"
%"L@@@@@@@@@@@@@GGL@OHGO@O@HF@@"
%"L@@@@@@@@@@@@@GLFCHNFALLAHF@@"
%"L@@@@@@@@@@@@@GHCC@FF@LLAHF@@"
%"L@@@@@@@@@@@@@G@F@CF@FLAHF@@"
%"LBIGKMLNOO@F@CF@FO@HF@@"
%"LBMDBEA@BG@F@CF@FLAHF@@"
%"LBOGKMM@BG@F@CF@FLAHF@@"
%"LBK@JAA@BGHCC@FF@LLAHF@@"
%"LBIGJALNBGLFCHNFALLAHF@@"
%"L@@@@@@@@@@@@@GGL@OHGO@O@HF@@"
%"L@@@@@@@@@@@@@C@@@@@C@@@@@F@@"
%"L@@@@@@@@@@@@@C@@@@@C@@@@@F@@"
%"L@@@@@@@@@@@@@CH@@@@@G@@@@@F@@"
%"L@@@@@@@@@@@@@AH@@@@@F@@@@@F@@"
%"L@@@@@@@@@@@@@AL@@@@@N@@@@@F@@"
%"L@@@@@@@@@@@@@L@@@@@L@@@@@F@@"
%"L@@@@@@@@@@@@@N@@@@@AL@@@@@F@@"
%"L@@@@@@@@@@@@@G@@@@@CH@@@@@F@@"
%"L@@@@@@@@@@@@@G@@@@@C@@@@@F@@"
%"L@@@@@@@@@@@@@OL@@@@@G@@@@@F@@"
%"L@@@@@@@@@@@@@ON@@@@@AN@@@@@F@@"
%"L@@@@@@@@@@@@@AGO@@@@@CL@@@@@F@@"
%"L@@@@@@@@@@@@@CKCL@@@@@O@@@@@F@@"
%"L@@@@@@@@@@@@@GLAO@@@@@CN@@@@@F@@"
%"L@@@@@@@@@@@@@OHGN@AOH@@@@@F@@"
%"L@@@@@@@@@@@@@A@@@@@A@@@@@F@@"
%"L@@@@@@@@@@@@@FN@@@@@CO@@@@@F@@"
%"L@@@@@@@@@@@@@OD@@@@@O@@@@@F@@"
```



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