

File created: 25-Jan-91 16:57:19 {DSK}<users>woz>SOURCES>NEW-EDIT-INTERFACE.;8

changes to: (FUNCTIONS XCL::EDIT-EXPRESSION XCL::EDIT-DEFINITION XCL::EDIT SEDIT::EDIT-EXPRESSION SEDIT::MYED)
(VARS NEW-EDIT-INTERFACECOMS)

previous date: 3-Dec-90 18:01:41 {DSK}<users>woz>SOURCES>NEW-EDIT-INTERFACE.;1

Read Table: XCL

Package: INTERLISP

Format: XCCS

; Copyright (c) 1990, 1991 by Venue. All rights reserved.

```
(RPAQQ NEW-EDIT-INTERFACECOMS ((FUNCTIONS XCL::EDIT XCL::EDIT-DEFINITION XCL::EDIT-EXPRESSION)))
```

```
(CL:DEFUN XCL::EDIT (CL:STRUCTURE XCL::PROPS XCL::OPTIONS)
```

;;; this is the new way to start the current editor, once you have all the props and options figured out.

```
(CL:UNLESS (CL:LISTP XCL::OPTIONS)
  (CL:SETQ XCL::OPTIONS (LIST XCL::OPTIONS)))
(CL:FUNCALL (EDITMODE)
  CL:STRUCTURE XCL::PROPS XCL::OPTIONS))
```

```
(CL:DEFUN XCL::EDIT-DEFINITION (XCL::NAME TYPE &OPTIONAL XCL::SOURCE XCL::OPTIONS XCL::PROPS)
```

;;; this is a new version of IL:EDITDEF, consistent with the new definition of how to start the current editor. figure out how to get the definition (same as
;;; il:editdef), then build the necessary stuff to start the editor and have completion work properly. since we have a "definition" there is no need for a
;;; root-changed-fn, because putdef will be handed the right structure on completion anyway. Do not wait for completion, just return NAME.

```
(CL:UNLESS (CL:LISTP XCL::OPTIONS)
  (CL:SETQ XCL::OPTIONS (LIST XCL::OPTIONS)))
(LET* ((XCL::DEFINITION (COND
  (XCL::SOURCE (GETDEF XCL::NAME TYPE XCL::SOURCE ' (EDIT NOCOPY)))
  ((GETDEF XCL::NAME TYPE 'CURRENT ' (EDIT NOCOPY NOERROR)))
  ((GETDEF XCL::NAME TYPE 'SAVED ' (EDIT NOCOPY NOERROR)))
  (T (LET ((XCL::FILES (WHEREIS XCL::NAME TYPE T)))
    (CL:IF (NULL XCL::FILES)
      (CL:FORMAT T "~S has no ~A definition.~%" XCL::NAME TYPE)
      (LET ((XCL::FILE (PROGN (CL:FORMAT T "~S is contained on~{ ~S~}.~%"
        XCL::NAME XCL::FILES)
        (CL:IF (CL:ENDP (CDR XCL::FILES))
          (CL:IF (CL:Y-OR-N-P "Shall I load this
            file PROP? ")
            (CAR XCL::FILES)
            (ASKUSER NIL NIL "indicate which file to
              load PROP: " (MAKEKEYLIST XCL::FILES)
              )
          T))))))
    (CL:WHEN XCL::FILE
      (LOAD XCL::FILE 'PROP)
      (GETDEF XCL::NAME TYPE ' ? ' (EDIT NOCOPY)))))))
  (XCL::USER-COMPLETION (LISTGET XCL::PROPS :COMPLETION-FN))
  (XCL::COMPLETION-FN #' (CL:LAMBDA (XCL::CONTEXT XCL::NEW-DEF XCL::CHANGED?)
    (CL:WHEN XCL::USER-COMPLETION (CL:FUNCALL XCL::USER-COMPLETION
      XCL::CONTEXT XCL::NEW-DEF
      XCL::CHANGED?))
    (CL:WHEN (EQ XCL::CHANGED? T)
      ;; don't reinstall on :ABORT or NIL (no changes)
      (PUTDEF XCL::NAME TYPE XCL::NEW-DEF 'CHANGED)))))
  (CL:WHEN XCL::DEFINITION
    (XCL::EDIT XCL::DEFINITION (LIST :NAME XCL::NAME :TYPE TYPE :COMPLETION-FN XCL::COMPLETION-FN)
      XCL::OPTIONS))
  XCL::NAME))
```

```
(CL:DEFUN XCL::EDIT-EXPRESSION (XCL::EXPR &OPTIONAL XCL::OPTIONS XCL::PROPS)
```

;;; similar to ED, but just a one-time un-named edit of an expression. start the editor with :close-on-completion, wait until the edit session completes, and
;;; return the structure. Copy the expression before starting the editor so that changes won't be destructive, then recreate eqness on completion. This
;;; way aborted changes will not be kept.

```
(CL:UNLESS (CL:CONSP XCL::EXPR)
  (CL:ERROR "~S - Not Editable. Must be a list expression." XCL::EXPR)
  (CL:RETURN-FROM XCL::EDIT-EXPRESSION NIL))
(CL:UNLESS (CL:LISTP XCL::OPTIONS)
  (CL:SETQ XCL::OPTIONS (LIST XCL::OPTIONS)))
(LET* ((XCL::EVENT (CREATE.EVENT "EDIT-EXPRESSION Completion"))
  (XCL::USER-COMPLETION (LISTGET XCL::PROPS :COMPLETION-FN))
  (XCL::NEW-EXPR NIL)
  (XCL::COMPLETION-FN #' (CL:LAMBDA (XCL::CONTEXT CL:STRUCTURE XCL::CHANGED?)
    (CL:WHEN XCL::USER-COMPLETION (CL:FUNCALL XCL::USER-COMPLETION
      XCL::CONTEXT CL:STRUCTURE
```

```
(CL:WHEN (EQ XCL::CHANGED? T)
          (CL:SETQ XCL::NEW-EXPR CL:STRUCTURE))
(NOTIFY.EVENT XCL::EVENT)))
(XCL::EDIT (CL:COPY-TREE XCL::EXPR)
  (LIST :COMPLETION-FN XCL::COMPLETION-FN)
  (LIST* :CLOSE-ON-COMPLETION XCL::OPTIONS))
(CL:UNLESS (CL:MEMBER :DONTWAIT XCL::OPTIONS)
  (AWAIT.EVENT XCL::EVENT))
(CL:IF (AND XCL::NEW-EXPR (CL:CONSP XCL::NEW-EXPR))
  (RPLNODE2 XCL::EXPR (CL:COPY-TREE XCL::NEW-EXPR))
  XCL::EXPR))

(PUTPROPS NEW-EDIT-INTERFACE COPYRIGHT ("Venue" 1990 1991))
```

FUNCTION INDEX

XCL::EDIT	1	XCL::EDIT-DEFINITION	1	XCL::EDIT-EXPRESSION	1
-----------------	---	----------------------------	---	----------------------------	---
