

File created: 23-Dec-2023 09:24:21 {WMEDLEY}<library>TEDIT>TEDIT-CHAT.;14

edit by: rmk

changes to: (VARS TEDIT-CHATCOMS)  
(FNS TEDITSTREAM.INIT TEDIT.DISPLAYTEXT TEDITCHAT.CHARFN)

previous date: 6-Apr-2023 21:40:07 {WMEDLEY}<library>tedit>TEDIT-CHAT.;9

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

(RPAQQ **TEDIT-CHATCOMS**

```
((FNS TEDITSTREAM.INIT TEDITCHAT.MENUFN TEDITCHAT.CHARFN)
 (COMS ; WHO CALLS TEDIT.DISPLAYTEXT ?
  (FNS TEDIT.DISPLAYTEXT))
 (GLOBALVARS TEDITCHAT.MENU CHAT.DRIVERTYPES CHAT.DISPLAYTYPES)
 (VARS TEDITCHAT.MENUITEMS (TEDITCHAT.MENU))
 (ADDVARS (CHAT.DRIVERTYPES (TEDIT TEDITCHAT.CHARFN NIL)))
 (DECLARE%: EVAL@COMPILE DONTCOPY (FILES (SOURCE)
                                           CHATDECLS))))
```

(DEFINEQ

(**TEDITSTREAM.INIT**

[LAMBDA (WINDOW MENUFN)

; Edited 23-Dec-2023 09:06 by rmk  
; Edited 4-Nov-2022 17:21 by rmk  
; Edited 12-Jun-90 18:01 by mitani

;; Initialize and return TEDIT TEXTSTREAM on WINDOW.

```
(LET [(TEXTSTREAM (OPENTEXTSTREAM NIL WINDOW NIL NIL ' (COPYBYBKSYSBUF T)
; force shift select typein to be put in keyboard buffer
; hookup middle button menu instead of TEDIT menu

(WINDOWPROP WINDOW 'TEDIT.TITLEMENUFN MENUFN)
TEXTSTREAM])
```

(**TEDITCHAT.MENUFN**

[LAMBDA (WINDOW)

(\* || "20-Oct-86 15:03")

(**DECLARE** (GLOBALVARS TEDITCHAT.MENU)

(SPECVARS WINDOW STATE))

(\* MIDDLEBUTTON)

(PROG ((STATE (WINDOWPROP WINDOW 'CHATSTATE))

COMMAND)

[COND

((NOT STATE)

(\* No Connection here; try to reestablish)

(RETURN (COND

((LASTMOUSESTATE MIDDLE)

(CHAT.RECONNECT WINDOW))

(T (TOTOPW WINDOW]

(**replace** (CHAT.STATE HELD) **of** STATE **with** T)

(\CHECKCARET WINDOW)

(SELECTQ [SETQ COMMAND (MENU (OR TEDITCHAT.MENU (SETQ TEDITCHAT.MENU (**create** MENU  
ITEMS \_  
TEDITCHAT.MENUITEMS]

(Close (**replace** (CHAT.STATE RUNNING?) **of** STATE **with** 'CLOSE)

(\* Ask CHAT.TYPEIN to shut things down.)

)

(New (**replace** (CHAT.STATE RUNNING?) **of** STATE **with** 'CLOSE)

(WINDOWPROP WINDOW 'KEEPCHAT 'NEW))

(Suspend (**replace** (CHAT.STATE RUNNING?) **of** STATE **with** 'CLOSE)

(WINDOWPROP WINDOW 'KEEPCHAT T))

(Freeze

(\* Leave in HELD state)

(RETURN))

(NIL)

(APPLY\* COMMAND STATE WINDOW))

(**replace** (CHAT.STATE HELD) **of** STATE **with** NIL])

(**TEDITCHAT.CHARFN**

[LAMBDA (CH CHAT.STATE)

; Edited 22-Dec-2023 23:57 by rmk  
; Edited 18-Mar-2023 20:08 by rmk  
; Edited 12-Jun-90 18:00 by mitani

(LET [(TEXTOBJ (TEXTOBJ (**fetch** (CHAT.STATE TEXTSTREAM) **of** CHAT.STATE]

(\CARET.DOWN (FGETTOBJ TEXTOBJ DS))

(SELCHARQ CH

(BS (\TEDIT.CHARDELETE TEXTOBJ (FGETTOBJ TEXTOBJ SEL)))

(LF NIL)

(BOUT (FGETTOBJ TEXTOBJ STREAMHINT)

CH])

)

;; WHO CALLS TEDIT.DISPLAYTEXT ?

(DEFINEQ

**(TEDIT.DISPLAYTEXT**

[LAMBDA (TEXTOBJ CH CHWIDTH LINE XPOINT DS SEL)

; Edited 23-Dec-2023 09:15 by rmk

; Edited 6-Apr-2023 21:39 by rmk

; Edited 4-Nov-2022 17:18 by rmk

; Edited 25-Sep-2022 13:34 by rmk

; Edited 6-Aug-2022 13:28 by rmk

; Edited 12-Jun-90 18:01 by mitani

(\* This function does the actual displaying of typed-in text on the

edit window.)

(HELP 'TEDIT.DISPLAYTEXT 'NOTUSED?)

(PROG ((LOOKS (\TEDIT.APPLY.STYLES (fetch (TEXTOBJ CARETLOOKS) of TEXTOBJ)

(\TEDIT.CARETPIECE TEXTOBJ)

(fetch (TEXTOBJ STREAMHINT) of TEXTOBJ)))

(TERMSA (fetch (TEXTOBJ TXTTERMSA) of TEXTOBJ))

DY FONT)

(MOVETO XPOINT (IPLUS (fetch YBASE of LINE)

(OR (fetch CLOFFSET of LOOKS)

0))

DS)

(\* Set the display stream position)

(COND

[TERMSA

(\* Special terminal table for controlling character display.  
Use it.)

(RESETLST

(RESETSAVE \PRIMTERMSA TERMSA)

[COND

[(STRINGP CH)

(for CHAR instring CH do (SELCHARQ CHAR

(TAB (\* Put down white)

(BITBLT NIL 0 0 DS XPOINT (fetch YBOT of LINE)

36

(fetch LHEIGHT of LINE)

'TEXTURE

'REPLACE WHITESHADE)

(REMOVETO 36 0 DS))

(CR (BITBLT NIL 0 0 DS XPOINT (fetch YBOT of LINE)

(IMAX 6 (CHARWIDTH CHAR FONT))

(fetch LHEIGHT of LINE)

'TEXTURE

'REPLACE WHITESHADE))

(\DSPPRINTCHAR (fetch (TEXTOBJ STREAMHINT) of TEXTOBJ)

CHAR])

(T (SELCHARQ CH

(TAB

(\* Put down white)

(BITBLT NIL 0 0 DS XPOINT (fetch YBOT of LINE)

36

(fetch LHEIGHT of LINE)

'TEXTURE

'REPLACE WHITESHADE)

(REMOVETO 36 0 DS))

(EOL (BITBLT NIL 0 0 DS XPOINT (fetch YBOT of LINE)

(IMAX 6 (CHARWIDTH CH FONT))

(fetch LHEIGHT of LINE)

'TEXTURE

'REPLACE WHITESHADE))

(\DSPPRINTCHAR (fetch (TEXTOBJ STREAMHINT) of TEXTOBJ)

CH]))

(\* No special handling; just use native character codes)

(T

(COND

[(STRINGP CH)

(for CHAR instring CH do (SELCHARQ CHAR

(TAB

(\* Put down white)

(BITBLT NIL 0 0 DS (DSPXPOSITION NIL DS)

(fetch YBOT of LINE)

36

(fetch LHEIGHT of LINE)

'TEXTURE

'REPLACE WHITESHADE)

(REMOVETO 36 0 DS))

(EOL (BITBLT NIL 0 0 DS (DSPXPOSITION NIL DS)

(fetch YBOT of LINE)

(IMAX 6 (CHARWIDTH CHAR FONT))

(fetch LHEIGHT of LINE)

'TEXTURE

'REPLACE WHITESHADE))

(BLTCHAR CHAR DS]

(T (SELCHARQ CH

(TAB

(\* Put down white)

(BITBLT NIL 0 0 DS (DSPXPOSITION NIL DS)

(fetch YBOT of LINE)

36

(fetch LHEIGHT of LINE)

'TEXTURE

'REPLACE WHITESHADE)

(REMOVETO 36 0 DS))

(EOL

(\* Blank out the CR's width.)

```
(BITBLT NIL 0 0 DS (DSPXPOSITION NIL DS)
  (fetch YBOT of LINE)
  (IMAX 6 (CHARWIDTH CH FONT))
  (fetch LHEIGHT of LINE)
  'TEXTURE
  'REPLACE WHITESHADE))
(BLTCHAR CH DS))

)

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS TEDITCHAT.MENU CHAT.DRIVERTYPES CHAT.DISPLAYTYPES)
)

(RPAQQ TEDITCHAT.MENUITEMS
  ((Close 'Close "Closes the connection and returns")
    (Suspend 'Suspend "Closes the connection but leaves window up")
    (New 'New "Closes this connection and prompts for a new host")
    (Freeze 'Freeze "Holds typeout in this window until you bug it again")
    ("Dribble" (FUNCTION CHAT.TYPESCRIPT)
      "Starts a typescript of window typeout")
    ("Input" (FUNCTION CHAT.TAKE.INPUT)
      "Allows input from a file")
    ("Option" (FUNCTION DO.CHAT.OPTION)
      "Do protocol specific option")))

(RPAQQ TEDITCHAT.MENU NIL)

(ADDTOVAR CHAT.DRIVERTYPES (TEDIT TEDITCHAT.CHARFN NIL))

(DECLARE%: EVAL@COMPILE DONTCOPY

(FILESLoad (SOURCE)
  CHATDECLS)
)
```

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