

File created: 4-Feb-2022 14:16:25 {MM}<rooms>ROOMS-MEDLEY-WINDOW-TYPES.;2

changes to: (IL:WINDOW-TYPES :TEDIT)

previous date: 5-Dec-2020 16:36:07 {MM}<rooms>ROOMS-MEDLEY-WINDOW-TYPES.;1

Read Table: XCL

Package: ROOMS

Format: XCCS

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(IL:RPAQQ **IL:ROOMS-MEDLEY-WINDOW-TYPESCOMS**

;; window types for various modules

(FILE-ENVIRONMENTS IL:ROOMS-MEDLEY-WINDOW-TYPES)

(IL:P (REQUIRE "ROOMS"))

(IL:WINDOW-TYPES :EXEC :INSPECTOR :SPY-BUTTON :CHAT :TEXTSTREAM :TEDIT :BUTTON)

(IL:COMS

;; the prompt window

(IL:DECLARE\ : IL:EVAL@COMPILE IL:DONTCOPY (IL:P (OR (IL:RELOOK 'IL:WINDOW)
(IL:EVAL (IL:SYSRELOOK1 'IL:WINDOW))))

(IL:WINDOW-TYPES :PROMPT-WINDOW)

(IL:GLOBALVARS IL:PROMPTWINDOW))

(IL:COMS

;; SEdit

(IL:ADVISE (IL:OPENWP :IN SEDIT::GET-CONTEXT))

(IL:WINDOW-TYPES :SEEDIT))

(IL:COMS

;; File Browser

(IL:DECLARE\ : IL:EVAL@COMPILE IL:DONTCOPY (IL:P (OR (IL:RELOOK 'IL:FILEBROWSER)
(IL:EVAL (IL:SYSRELOOK1 'IL:FILEBROWSER))
)
(OR (IL:RELOOK 'IL:TABLEBROWSER)
(IL:EVAL (IL:SYSRELOOK1 'IL:TABLEBROWSER))
))))

(IL:WINDOW-TYPES :FILE-BROWSER :TABLE-BROWSER))

(IL:COMS

;; Sketch

(IL:DECLARE\ : IL:EVAL@COMPILE IL:DONTCOPY (IL:P (OR (IL:RELOOK 'IL:SKETCH)
(IL:LOADDEF 'IL:SKETCH 'IL:RECORDS
'IL:SKETCH))))

(IL:WINDOW-TYPES :SKETCH))

(IL:COMS

;; Logo Window

(IL:WINDOW-TYPES :LOGO-WINDOW)

(IL:ADVISE IL:LOGOW))

(IL:COMS

;; PSW

(IL:WINDOW-TYPES :PSW)))

;; window types for various modules

(DEFINE-FILE-ENVIRONMENT **IL:ROOMS-MEDLEY-WINDOW-TYPES** :COMPILER :COMPILE-FILE

:READTABLE "XCL"

:PACKAGE "ROOMS")

(REQUIRE "ROOMS")

(DEF-WINDOW-TYPE **:EXEC** :RECOGNIZER (LAMBDA (WINDOW)

(IL:EQMEMB 'XCL::EXEC-CLOSEFN (IL:WINDOWPROP WINDOW 'IL:CLOSEFN)))

:ABSTRACTER (LAMBDA (WINDOW)

(LET* ((PROCESS (IL:WINDOWPROP WINDOW 'IL:PROCESS)))

(WHEN PROCESS

(LET ((PROFILE (IL:PROCESSPROP PROCESS 'IL:PROFILE)))

`(:REGION , (EXTERNALIZE-REGION (WINDOW-REGION WINDOW)

:PACKAGE

, (IF PROFILE

(PACKAGE-NAME (GETF PROFILE '*PACKAGE*)))

"IL")

:READTABLE

, (IF PROFILE

(IL:READTABLEPROP (GETF PROFILE '*READTABLE*')

'IL:NAME)

"OLD-INTERLISP-T"))))))

:RECONSTITUTER (LAMBDA (ARGS)

(LET ((PROCESS (ADD-EXEC :REGION (INTERNALIZE-REGION (GETF ARGS :REGION

(LIST 0 0 400 100))

```

:PROFILE
  (OR (GETF ARGS :PROFILE)
    \(*PACKAGE* , (OR (FIND-PACKAGE (GETF ARGS :PACKAGE))
      (FIND-PACKAGE "XCL-USER"))
      *READTABLE*
      , (OR (IL:FIND-READTABLE (GETF ARGS :READTABLE))
        (IL:FIND-READTABLE "XCL")))))

```

;; this is really grody. why doesn't ADD-EXEC just take a window?

```

  (IL:BLOCK)
  (IL:WFORMDS (IL:PROCESS.EVALV PROCESS '*STANDARD-OUTPUT*)))
:TITLE (LAMBDA (PLACEMENT REGION DSP)
  (PRINT-PEP-TITLE-STRING (IL:WINDOWPROP (PLACEMENT-WINDOW PLACEMENT)
    'IL:TITLE)
    REGION DSP)))

```

```

(DEF-WINDOW-TYPE :INSPECTOR :RECOGNIZER (IL:LAMBDA (WINDOW)
  (IL:WINDOWPROP WINDOW 'IL:DATUM))
  :TITLE "Inspector")

```

```

(DEF-WINDOW-TYPE :SPY-BUTTON :RECOGNIZER (LAMBDA (WINDOW)
  (EQ (IL:WINDOWPROP WINDOW 'IL:BUTTONEVENTFN)
    'IL:SPY.BUTTONA0001))
  :ABSTRACTER (LAMBDA (WINDOW)
    (DECLARE (IGNORE WINDOW)
      NIL))
  :RECONSTITUTER (LAMBDA (DATA)
    (DECLARE (IGNORE DATA)
      (GLOBAL IL:SPY.BUTTON))
    (UNLESS (BOUNDP 'IL:SPY.BUTTON)
      (IL:FILESLOAD "spy"))
    (IF IL:SPY.BUTTON
      IL:SPY.BUTTON
      (PROGN (IL:SPY.BUTTON (MAKE-POSITION 0 0))
        IL:SPY.BUTTON)))
  :NO-SHAPE T
  :TITLE (LAMBDA (PLACEMENT REGION DSP)
    (PRINT-PEP-TITLE-STRING "Spy" REGION DSP :NO-TITLE-BAR? T)))

```

```

(DEF-WINDOW-TYPE :CHAT :RECOGNIZER (LAMBDA (WINDOW)
  (EQ (IL:WINDOWPROP WINDOW 'IL:BUTTONEVENTFN)
    'IL:CHAT.BUTTONFN))
  :ABSTRACTER (LAMBDA (WINDOW)
    (LIST :HOST (IL:CANONICAL.HOSTNAME (FIRST (IL:WINDOWPROP WINDOW 'IL:CHATHOST)))
      :REGION
      (IL:WINDOWREGION WINDOW)))
  :RECONSTITUTER (LAMBDA (DATA)
    (LET ((WINDOW (IL:CREATEW (GETF DATA :REGION)
      "Chat")))
      ;; start the chat process
      (IL:CHAT (GETF DATA :HOST)
        NIL NIL WINDOW)
      ;; return the window
      WINDOW))
  :TITLE (LAMBDA (PLACEMENT REGION DSP)
    (PRINT-PEP-TITLE-STRING (FORMAT NIL "Chat ~A" (FIRST (IL:WINDOWPROP (PLACEMENT-WINDOW PLACEMENT)
      'IL:CHATHOST)))
      REGION DSP)))

```

```

(DEF-WINDOW-TYPE :TEXTSTREAM :RECOGNIZER (LAMBDA (WINDOW)
  (IL:TYPE? IL:TEXTOBJ (IL:WINDOWPROP WINDOW 'IL:TEXTOBJ)))
  :TITLE "Text")

```

```

(DEF-WINDOW-TYPE :TEDIT :DEPENDENCIES (:TEXTSTREAM)
  :RECOGNIZER (LAMBDA (WINDOW)
    (OR (IL:WINDOWPROP WINDOW 'IL:TEDITCREATED)
      (LET ((TEXTOBJ (IL:WINDOWPROP WINDOW 'IL:TEXTOBJ))
        (AND (IL:TYPE? IL:TEXTOBJ TEXTOBJ)
          (GETF (IL:FFETCH (IL:TEXTOBJ IL:EDITPROPS) IL:OF TEXTOBJ)
            'IL:TEDITCREATEDWINDOW))))))
  :ABSTRACTER (LAMBDA (WINDOW)
    (LET* ((STREAM (IL:FETCH (IL:TEXTOBJ IL:TXTFILE) IL:OF (IL:TEXTOBJ WINDOW)))
      (WHEN STREAM
        \(:REGION , (EXTERNALIZE-REGION (WINDOW-REGION WINDOW))
          :PATHNAME
          , (MAKE-PATHNAME :VERSION :NEWEST :DEFAULTS (PATHNAME STREAM))))))
  :RECONSTITUTER (LAMBDA (PROPS)
    (IL:FILESLOAD (IL:SYSLOAD)

```

```

IL:TEDIT)
(LET* ((PATHNAME (GETF PROPS :PATHNAME))
      (FOUND (WHEN PATHNAME (PROBE-FILE PATHNAME)))
      (NAMESTRING (WHEN FOUND (NAMESTRING FOUND)))
      (WINDOW (IL:\\TEDIT.CREATEW.FROM.REGION (INTERNALIZE-REGION (GETF PROPS :REGION
                                                                    (LIST 0 0 200
                                                                    200))))
        (IF FOUND NAMESTRING))))
      (IL:TEDIT (IL:OPENSTRINGSTREAM (IF FOUND
                                      (INTERN NAMESTRING "INTERLISP")
                                      (IF PATHNAME
                                          (FORMAT NIL "Couldn't edit file ~A"
                                          (NAMESTRING PATHNAME))))))
      WINDOW NIL (LIST 'IL:TEDITCREATEDWINDOW T 'IL:LEAVETTY T))
WINDOW))
:TITLE "TEdit")

```

```

(DEF-WINDOW-TYPE :BUTTON :RECOGNIZER (LAMBDA (WINDOW)
                                     (TYPEP (IL:WINDOWPROP WINDOW 'BUTTON)
                                             'BUTTON))
:ABSTRACTER (LAMBDA (WINDOW)
             (EXTERNALIZE-BUTTON (IL:WINDOWPROP WINDOW 'BUTTON)))
:RECONSTITUTER (LAMBDA (ARGS)
               (MAKE-BUTTON-WINDOW (APPLY #'MAKE-BUTTON ARGS)
                                   (INTERNALIZE-POSITION (GETF ARGS :POSITION (MAKE-POSITION 0 0))))))
:TITLE (LAMBDA (PLACEMENT REGION DSP)
      (LET ((BUTTON (IL:WINDOWPROP (PLACEMENT-WINDOW PLACEMENT)
                                   'BUTTON)))
        (WHEN BUTTON
          (PRINT-PEP-TITLE-STRING (TEXT-STRING (BUTTON-TEXT BUTTON))
                                  REGION DSP :NO-TITLE-BAR? T))))))

```

:: the prompt window

```

(IL:DECLARE\ : IL:EVAL@COMPILE IL:DONTCOPY
(OR (IL:RECLOOK 'IL:WINDOW)
    (IL:EVAL (IL:SYSRECLOOK1 'IL:WINDOW)))
)
```

```

(DEF-WINDOW-TYPE :PROMPT-WINDOW :RECOGNIZER (LAMBDA (WINDOW)
                                               (EQ WINDOW IL:PROMPTWINDOW))
:ABSTRACTER (LAMBDA (WINDOW)
             NIL)
:RECONSTITUTER (LAMBDA (DATA)
               IL:PROMPTWINDOW)
:UPDATER (LAMBDA (PLACEMENT)
         (LET ((FONT (IL:DSPFONT NIL IL:PROMPTWINDOW)))
           (PLACEMENT-PROP PLACEMENT :FONT (EXTERNALIZE-FONT FONT)))
         (PLACEMENT-PROP PLACEMENT :BORDER (IL:WINDOWPROP IL:PROMPTWINDOW 'IL:BORDER))
         (PLACEMENT-PROP PLACEMENT :SHADE (IL:DSPTEXTURE NIL IL:PROMPTWINDOW))
         (PLACEMENT-PROP PLACEMENT :TITLE (IL:WINDOWPROP IL:PROMPTWINDOW 'IL:TITLE))
         (PLACEMENT-PROP PLACEMENT :OPERATION (IL:DSPOPERATION NIL IL:PROMPTWINDOW)))
:PLACER (LAMBDA (PLACEMENT)
      (DO* ((CHANGED? NIL)
            (PROP-LIST (PLACEMENT-PROPS PLACEMENT)
                      (CDDR PROP-LIST))
            (PROP (CAR PROP-LIST)
                 (CAR PROP-LIST))
            (VALUE (CADR PROP-LIST)
                 (CADR PROP-LIST)))
          ((NULL PROP-LIST)
           (WHEN CHANGED?
            ;; this is how we change the border & title without changing the region
            (IL:CLOSEW IL:PROMPTWINDOW)
            (IL:ADVISEWDS IL:PROMPTWINDOW)
            (IL:SHOWFRAME IL:PROMPTWINDOW)
            (IL:CLEARW IL:PROMPTWINDOW))
          (CASE PROP
            (:BORDER (UNLESS (EQL VALUE (IL:FETCH (IL:WINDOW IL:WBORDER) IL:OF IL:PROMPTWINDOW)
                              (IL:REPLACE (IL:WINDOW IL:WBORDER) IL:OF IL:PROMPTWINDOW IL:WITH VALUE)
                              (SETQ CHANGED? T)))
              (:FONT (LET ((NEW-FONT (IL:FONTCREATE VALUE NIL NIL NIL 'IL:DISPLAY)))
                        (UNLESS (EQ (IL:DSPFONT NEW-FONT IL:PROMPTWINDOW)
                                   NEW-FONT)
                          (SETQ CHANGED? T))))
              (:OPERATION (UNLESS (EQ VALUE (IL:DSPOPERATION VALUE IL:PROMPTWINDOW)
                                   (SETQ CHANGED? T)))
              (:SHADE (UNLESS (EQ VALUE (IL:DSPTEXTURE VALUE IL:PROMPTWINDOW)
                                   (SETQ CHANGED? T)))
              (:TITLE (UNLESS (EQL VALUE (IL:FETCH (IL:WINDOW IL:WTITLE) IL:OF IL:PROMPTWINDOW)
                              (IL:REPLACE (IL:WINDOW IL:WTITLE) IL:OF IL:PROMPTWINDOW IL:WITH VALUE)
                              (SETQ CHANGED? T))))))
:TITLE (LAMBDA (PLACEMENT REGION DSP)

```

(IL:DSPFILL REGION IL:BLACKSHADE 'IL:PAINT DSP))

(IL:DECLARE\ : IL:DOEVAL@COMPILE IL:DONTCOPY

(IL:GLOBALVARS IL:PROMPTWINDOW)
)

:: Sedit

(REINSTALL-ADVICE ' (IL:OPENWP :IN SEDIT::GET-CONTEXT)
:BEFORE
' ((:FIRST (LOCALLY (**DECLARE** (SPECIAL IL:WINDOW)
(UN-HIDE-WINDOW IL:WINDOW))))))

(IL:READWISE (IL:OPENWP :IN SEDIT::GET-CONTEXT))

(DEF-WINDOW-TYPE **:SEEDIT** :RECOGNIZER (LAMBDA (WINDOW)
(IL:EQMEMB 'SEEDIT::CLOSEFN (IL:WINDOWPROP WINDOW 'IL:CLOSEFN)))
:TITLE "Sedit")

:: File Browser

(IL:DECLARE\ : IL:EVAL@COMPILE IL:DONTCOPY

(OR (IL:RECLOOK 'IL:FILEBROWSER)
(IL:EVAL (IL:SYSRECLOOK1 'IL:FILEBROWSER)))

(OR (IL:RECLOOK 'IL:TABLEBROWSER)
(IL:EVAL (IL:SYSRECLOOK1 'IL:TABLEBROWSER)))
)

(DEF-WINDOW-TYPE **:FILE-BROWSER** :DEPENDENCIES (:TABLE-BROWSER)
:RECOGNIZER (LAMBDA (WINDOW)
(**IL:TYPE?** IL:FILEBROWSER (IL:WINDOWPROP WINDOW 'IL:FILEBROWSER)))
:ABSTRACTER (LAMBDA (WINDOW)
(LET ((FB (IL:WINDOWPROP WINDOW 'IL:FILEBROWSER))
(LIST :REGION (EXTERNALIZE-REGION (WINDOW-REGION WINDOW))
:PATTERN
(**IL:FETCH** (IL:FILEBROWSER IL:PATTERN) **IL:OF** FB)
:INFO
(**IL:FETCH** (IL:FILEBROWSER IL:INFOMENUCHOICES) **IL:OF** FB))))
:RESTITUTER (LAMBDA (PROPS)
(LET ((WINDOW (IL:FILEBROWSER (GETF PROPS :PATTERN "*")
(GETF PROPS :INFO)
(LIST 'IL:REGION (INTERNALIZE-REGION (GETF PROPS :REGION))))))

:: wait for FB to recompute
(IL:BLOCK)
(IL:WITH-MONITOR (**IL:FETCH** (IL:FILEBROWSER IL:FBLOCK) **IL:OF** (IL:WINDOWPROP
WINDOW
'IL:FILEBROWSER))
WINDOW)))
:TITLE "FB"
:FILES (IL:FILEBROWSER))

(DEF-WINDOW-TYPE **:TABLE-BROWSER** :RECOGNIZER (LAMBDA (WINDOW)
(**IL:TYPE?** IL:TABLEBROWSER (IL:WINDOWPROP WINDOW
'IL:TABLEBROWSER))))

:: Sketch

(IL:DECLARE\ : IL:EVAL@COMPILE IL:DONTCOPY

(OR (IL:RECLOOK 'IL:SKETCH)
(IL:LOADDEF 'IL:SKETCH 'IL:RECORDS 'IL:SKETCH))
)

(DEF-WINDOW-TYPE **:SKETCH** :RECOGNIZER (LAMBDA (W)
(IL:WINDOWPROP W 'IL:SKETCH))
:ABSTRACTER (LAMBDA (W)
(LIST :FILE (**IL:FETCH** (IL:SKETCH IL:SKETCHNAME) **IL:OF** (IL:WINDOWPROP W 'IL:SKETCH))
:REGION
(EXTERNALIZE-REGION (WINDOW-REGION W))))
:RESTITUTER (LAMBDA (DATA)
(WHEN (FBOUNDP 'IL:SKETCH)
(IL:SKETCH (GETF DATA :FILE)
(IL:CREATEW (INTERNALIZE-REGION (GETF DATA :REGION
(LIST 0 0 500 500)))
"Sketch"))))
:TITLE "Sketch")

:: Logo Window

```
(DEF-WINDOW-TYPE :LOGO-WINDOW :RECOGNIZER (LAMBDA (WINDOW)
                                          (EQ (IL:WINDOWPROP WINDOW 'TYPE)
                                              'IL:LOGOW))

  :ABTRACTER (LAMBDA (WINDOW)
              (IL:WINDOWPROP WINDOW 'ABSTRACTION))
  :RECONSTITUTER (LAMBDA (ABSTRACTION)
                  (IL:LOGOW (GETF ABSTRACTION :STRING)
                             NIL
                             (GETF ABSTRACTION :TITLE)
                             (GETF ABSTRACTION :TITLE-LOCATION)))
  :TITLE (LAMBDA (PLACEMENT REGION DSP)
          (PRINT-PEP-TITLE-STRING "Envos" REGION DSP :NO-TITLE-BAR? T))

(REINSTALL-ADVICE 'IL:LOGOW :AFTER '(:LAST (IL:WINDOWPROP IL:!VALUE 'ABSTRACTION
                                             \,@(WHEN STRING
                                                \(:STRING ,STRING))
                                             ,@(WHEN IL:TITLE
                                                \(:TITLE ,IL:TITLE))
                                             ,@(WHEN IL:TITLE-LOCATION
                                                \(:TITLE-LOCATION ,IL:TITLE-LOCATION))))))

(IL:READWISE IL:LOGOW)
```

:: PSW

```
(DEF-WINDOW-TYPE :PSW :RECOGNIZER (LAMBDA (WINDOW)
                                     (DECLARE (GLOBAL IL:PROCESS.STATUS.WINDOW)
                                     (EQ WINDOW IL:PROCESS.STATUS.WINDOW))

  :TITLE (LAMBDA (PLACEMENT REGION DSP)
          (PRINT-PEP-TITLE-STRING "PSW" REGION DSP :NO-TITLE-BAR? T))

(IL:PUTPROPS IL:ROOMS-MEDLEY-WINDOW-TYPES IL:COPYRIGHT ("Venue & Xerox Corporation" 1988 1990 2020))
```

WINDOW-TYPE INDEX

:BUTTON3 :FILE-BROWSER4 :PROMPT-WINDOW3 :SKETCH4 :TEDIT2
:CHAT2 :INSPECTOR2 :PSW5 :SPY-BUTTON2 :TEXTSTREAM2
:EXEC1 :LOGO-WINDOW5 :SEEDIT4 :TABLE-BROWSER4

ADVICE INDEX

IL:LOGOW5 (IL:OPENWP :IN SEEDIT::GET-CONTEXT)4

FILE-ENVIRONMENT INDEX

IL:ROOMS-MEDLEY-WINDOW-TYPES1
