

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:RECLOOK 'IL:WINDOW)
                                                           (IL:EVAL (IL:SYSRECLOOK1 '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 :SEDIT))
  (IL:COMS
    ;; File Browser
    (IL:DECLARE\ : IL:EVAL@COMPILE IL:DONTCOPY (IL:P (OR (IL:RECLOOK 'IL:FILEBROWSER)
                                                           (IL:EVAL (IL:SYSRECLOOK1 'IL:FILEBROWSER))
                                                           )
              (OR (IL:RECLOOK 'IL:TABLEBROWSER)
                  (IL:EVAL (IL:SYSRECLOOK1 'IL:TABLEBROWSER)
                           )))
    (IL:WINDOW-TYPES :FILE-BROWSER :TABLE-BROWSER))
  (IL:COMS
    ;; Sketch
    (IL:DECLARE\ : IL:EVAL@COMPILE IL:DONTCOPY (IL:P (OR (IL:RECLOOK '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)))
  :ABTRACTER (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:WFROMDS (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)

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      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:RECLINK 'IL:WINDOW)
      (IL:EVAL (IL:SYSRECLINK1 'IL:WINDOW)))
)

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(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)))
  :ABTRACTER (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))))
  :RECONSTITUTER (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))
  :ABTRACTER (LAMBDA (W)
    (LIST :FILE (IL:FETCH (IL:SKETCH IL:SKETCHNAME) IL:OF (IL:WINDOWPROP W 'IL:SKETCH))
      :REGION
      (EXTERNALIZE-REGION (WINDOW-REGION W))))
  :RECONSTITUTER (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))
```

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