

File created: 25-Feb-2024 13:56:23 {DSK}<home>frank<il>medley>gmedley>greetfiles>APPS-INIT.;17

changes to: (VARS APPS-INITCOMS)
(FNS Apps.DoInit Apps.AroundExitFn)

previous date: 25-Feb-2024 13:14:02 {DSK}<home>frank<il>medley>gmedley>greetfiles>APPS-INIT.;16

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

(RPAQQ **APPS-INITCOMS**

```
[ (FILES (SYSLOAD)
  MEDLEYDIR-INIT)
  (GLOBALVARS Apps.NotecardsActivated Apps.RoomsActivated)
  (INITVARS (Apps.NotecardsActivated NIL)
    (Apps.RoomsActivated NIL))
  (FNS Apps.InitNotecards Apps.SetUpNOTECARDSDIRECTORIES Apps.DoInit Apps.CreateButtons Apps.CreateLabel
    Apps.ActivateCLOS Apps.ActivateRooms Apps.ShowDoc XCL-USER::EXEC_INTERLISP Apps.AroundExitFn)
  (DECLARE%: DONTEVAL@LOAD DOCOPY (P (Apps.DoInit)))
  (DECLARE%: FIRST DONTEVAL@LOAD DOCOPY (P (BKSYSEBUF " ")))
```

```
(FILESLOAD (SYSLOAD)
  MEDLEYDIR-INIT)
```

```
(DECLARE%: DOEVAL@COMPILE DONTCOPY
```

```
(GLOBALVARS Apps.NotecardsActivated Apps.RoomsActivated)
)
```

```
(RPAQ? Apps.NotecardsActivated NIL)
```

```
(RPAQ? Apps.RoomsActivated NIL)
```

```
(DEFINEQ
```

(Apps.InitNotecards

```
[LAMBDA (DoNotRefreshButtons)
  (DECLARE (GLOBALVARS BackgroundMenuCommands BackgroundMenu))
```

```
; Edited 19-Jan-2023 11:57 by FGH
; Edited 7-Dec-2022 11:14 by FGH
; Edited 12-Nov-2022 14:41 by FGH
; Edited 11-Sep-2022 01:09 by fgh
; Edited 7-Feb-2022 20:22 by tp7
```

```
(LET* [[SRCDIR (OR (UNIX-GETENV 'NOTEFILESSRC)
  (AND (UNIX-GETENV 'NC_INSTALLDIR)
    (CONCAT (UNIX-GETENV 'NC_INSTALLDIR)
      "/notefiles")))
  (LET ((SUBDIR "notecards/notefiles"))
    (for DIR in (LIST (CONCAT (MEDLEYDIR)
      SUBDIR)
      (CONCAT (MEDLEYDIR)
        "../" SUBDIR)
      (CONCAT (MEDLEYDIR)
        "../../" SUBDIR))
      thereis (DIRECTORYNAME DIR]
  (DESTDIR (OR (UNIX-GETENV 'NOTEFILESDEST)
    (AND (UNIX-GETENV 'MEDLEY_USERDIR)
      (CONCAT (UNIX-GETENV 'MEDLEY_USERDIR)
        "/notefiles")))
    (CONCAT LOGINDIR "notefiles"])
  [if (AND (NOT (DIRECTORYNAME DESTDIR))
    (DIRECTORYNAME SRCDIR))
    then (for NF in (DIRECTORY (CONCAT SRCDIR "/*")) do (COPYFILE NF (PACKFILENAME 'HOST "DSK"
      'DIRECTORY DESTDIR
      'NAME
      (FILENAMEFIELD NF
        'NAME)
      'EXTENSION
      (FILENAMEFIELD NF
        'EXTENSION)
      'VERSION
      (FILENAMEFIELD NF
        'VERSION])
```

```
(LET* ((PW-REGION (WINDOWPROP PROMPTWINDOW 'REGION))
  (LEFT (IPLUS (fetch (REGION RIGHT) of PW-REGION)
    20))
  (BOTTOM (fetch (REGION BOTTOM) of PW-REGION)))
  (NC.BringUpNoteCardsIcon (create POSITION
    XCOORD _ LEFT
    YCOORD _ BOTTOM)))
  (NC.FileBrowserMenu NC.NoteCardsIconWindow (PACKFILENAME 'HOST "DSK" 'DIRECTORY DESTDIR 'NAME ""
    'EXTENSION "notefile")
    (CREATEREGION 50 (IDIFFERENCE SCREENHEIGHT 700)
      550 220))
  (if (NULL (SASSOC 'NoteCards BackgroundMenuCommands))
```

```

then (PROGN [SETQ BackgroundMenuCommands (APPEND BackgroundMenuCommands
                                                    (LIST ' (NoteCards (NC.BringUpNoteCardsIcon)
                                                    "Bring up the NoteCards control
                                                    icon."])
          (SETQ BackgroundMenu NIL)))
(SETQ Apps.NotecardsActivated T)
(if (NOT DoNotRefreshButtons)
    then (Apps.CreateButtons))

```

(Apps.SetupNOTECARDSDIRECTORIES

[LAMBDA NIL

;; Find the location of the Notecards directory and call NC.SetupNOTECARDSDIRECTORIES.

;; This is needed to make sure that lazy loading of Notecard types works.

```

(LET* [(LOC1 (CONCAT MEDLEYDIR "notecards>"))
       (LOC2 (CONCAT MEDLEYDIR "...>notecards>"))
       (LOC3 (CONCAT MEDLEYDIR "...>..>notecards>"))
       (NCDIR (for LOC in (LIST LOC1 LOC2 LOC3) thereis (or (INFILEP (CONCAT LOC "system>NOTECARDS"))
                                                             (INFILEP (CONCAT LOC "system>NOTECARDS.LCOM"))
                                                             1)))
       (if NCDIR
           then [SETQ NCDIR (or (INFILEP (CONCAT NCDIR "system>NOTECARDS"))
                                (INFILEP (CONCAT NCDIR "system>NOTECARDS.LCOM"))
                                (SETQ NCDIR (SUBSTRING NCDIR 1 (IDIFFERENCE (STRPOS "system>NOTECARDS" NCDIR)
                                                                              1)))
                                (NC.SetupNOTECARDSDIRECTORIES NCDIR)
                                T)
           else (PRIN1 "Warning: Notecards directory could not be found." T)
                (PRIN1 "Hence, NOTECARDSDIRECTORIES is probably not set correctly" T)
                (PRIN1 "and Notecards will not work properly." T)
                NIL])

```

(Apps.Dolnit

[LAMBDA NIL

;; Edited 19-Jan-2023 12:43 by FGH

;; Edited 17-Jan-2023 23:23 by FGH

;; Edited 7-Dec-2022 11:14 by FGH

;; Edited 12-Nov-2022 13:57 by FGH

;; Edited 12-Oct-2022 20:23 by fgh

;; Edited 6-Sep-2022 17:22 by fgh

;; Edited 4-Sep-2022 16:44 by larry

;; Edited 18-Mar-2022 18:53 by fgh

;; Edited 17-Dec-2021 22:05 by fgh

(PROGN ;; Adjust windows so that the exec window and the prompt window don't overlap

```

[MAPC (OPENWINDOWS)
      (FUNCTION (LAMBDA (W)
                  (COND
                     ((EQ (WINDOWPROP W 'BUTTONEVENTFN)
                          'WHEN-WHO-LINE-SELECTED-FN)
                      (MOVEW W (CAR (WINDOWPROP W 'REGION))
                              (IDIFFERENCE SCREENHEIGHT 18)))
                     ((STREQUAL (WINDOWPROP W 'TITLE)
                                  "Prompt Window")
                      (PROGN (MOVEW W (create POSITION
                                              XCOORD _ 50
                                              YCOORD _ (IDIFFERENCE SCREENHEIGHT 120)))
                              (CLEARW W)))
                     ((STREQUAL (WINDOWPROP W 'TITLE)
                                  "Exec (XCL)")
                      (PROGN (WINDOWPROP W 'TITLE "Exec (INTERLISP)")
                              (MOVEW W (create POSITION
                                              XCOORD _ 50
                                              YCOORD _ (IDIFFERENCE SCREENHEIGHT 460))

```

;; Set up INITIALSLST based on information passed in from the Linux environment

```

[SETQ INITIALSLST (LIST (LIST USERNAME (UNIX-GETENV 'MEDLEY_FIRSTNAME)
                                (UNIX-GETENV 'MEDLEY_INITIALS]

```

(LOAD ' {DSK}/usr/local/interlisp/medley/lispusers/HELPSYS.LCOM T)

;; change to interlisp exec if required

```

(COND
  ((OR (STRING-EQUAL (UNIX-GETENV 'MEDLEY_EXEC)
                     "inter")
        (STRING-EQUAL (UNIX-GETENV 'NCO)
                     "true"))
   (BKSYSEBUF "(EXEC_INTERLISP)"))

```

;; Always Activate CLOS

(Apps.ActivateCLOS)

```

;; activate Notecards if requested
(COND
  ((STRING-EQUAL (UNIX-GETENV 'RUN_NOTECARDS)
    "true")
    (Apps.InitNotecards T)))
;; activate Rooms if requested
(COND
  ((STRING-EQUAL (UNIX-GETENV 'RUN_ROOMS)
    "true")
    (Apps.ActivateRooms T)))
;; create the Documentation and ROOMS, Notecards Activation Buttons, if needed
(Apps.CreateButtons T)
;; Make sure Notecards doesn't try to load its HASH file in NC.PostGreet
(SETTOPVAL '\NC.SourceAccessFlg NIL)
;; Setup NOTECARDSDIRECTORIES.
(Apps.SetUpNOTECARDSDIRECTORIES)
;; Add AROUNDEXITFN to ensure NOTECARDSDIRECTORIES get reset after LOGOUT, etc.
(SETQ AROUNDEXITFNS (LSUBST ' (MEDLEY-INIT-VARS Apps.AroundExitFn)
  'MEDLEY-INIT-VARS AROUNDEXITFNS])

```

(Apps.CreateButtons

[LAMBDA (DoDocsToo)

```

; Edited 13-Dec-2022 12:51 by frank
; Edited 7-Dec-2022 11:28 by FGH
; Edited 5-Dec-2022 17:31 by FGH
; Edited 12-Nov-2022 14:52 by FGH

```

```

;; Create buttons for Documentation and to activate Rooms, Notecards
;; Note: due to bug in DELETE-BUTTON need to create Doc buttons last. This will make sure that the NoteCards/Rooms buttons get properl
;; deleted when they are activated. But the Doc buttons will not necessary get deleted properly (but then there is never a need for them to be
;; deleted).

```

```

(LET* ((FEATURES (LIST (LIST Apps.NotecardsActivated ' (Apps.InitNotecards)
  "NOTECARDS")
  (LIST Apps.RoomsActivated ' (Apps.ActivateRooms)
  "ROOMS"))))
  (FEATURES-LABELS (for FEATURE in FEATURES collect (CADDR FEATURE)))
  (DOCS (LIST (LIST "https://interlisp.org/docs/medley/orientation/" "BASICS")
    (LIST "https://interlisp.org/documentation/Medley-Primer.pdf" "PRIMER")
    (LIST "https://interlisp.org/documentation/IRM.pdf" "MANUAL")
    (LIST "https://interlisp.org/documentation/notecards_user_guide_v1.2.pdf" "NOTECARDS")
    (LIST "https://interlisp.org/documentation/ROOMSTECHDESC.pdf" "ROOMS")))
  (DOCS-LABELS (for DOC in DOCS collect (CADR DOC)))
  (RIGHTMARGINISH 140)
  (SECTION1YPOS 225)
  (YPOSDELTA 55)
  (SECTION2YPOS (IPLUS SECTION1YPOS (ITIMES (IPLUS (LENGTH DOCS)
    1)
    YPOSDELTA)))
  (BUTTONY-FEATURES SECTION2YPOS)
  (BUTTONY-DOCS SECTION1YPOS)
  (FEATURES-REQUIREDP (OR (NOT Apps.RoomsActivated)
    (NOT Apps.NotecardsActivated)))
  (IWS NIL)
  (BUTTONS NIL))
  ;; First remove/re-create feature buttons
  (for W in (OPENWINDOWS) when (MEMBER (WINDOWPROP W 'ICONLABEL)
    (LIST "ACTIVATE" "FEATURES")))
    do (CLOSEW W))
  (for B in *ALL-BUTTONS* when (AND (EQ (WINDOWPROP B 'Apps.BUTTON)
    'FEATURE)
    (MEMBER (BUTTON-LABEL B)
    FEATURES-LABELS)))
    do (DELETE-BUTTON B))
  [if FEATURES-REQUIREDP
    then [SETQ IWS (LIST (Apps.CreateLabel "ACTIVATE" (IDIFFERENCE SCREENWIDTH (IDIFFERENCE
      RIGHTMARGINISH 50)
      (IDIFFERENCE SCREENHEIGHT (IDIFFERENCE SECTION2YPOS 20)))
      (Apps.CreateLabel "FEATURES" (IDIFFERENCE SCREENWIDTH (IDIFFERENCE
      RIGHTMARGINISH 50)
      (IDIFFERENCE SCREENHEIGHT SECTION2YPOS])
      (SETQ BUTTONS (for FEATURE in FEATURES
        collect (OR (CAR FEATURE)
          (LET (B)
            (SETQ BUTTONY-FEATURES (IPLUS BUTTONY-FEATURES YPOSDELTA))
            [SETQ B (CREATE-BUTTON (CADR FEATURE)
              (CADDR FEATURE)
              (create POSITION
                XCOORD _ (IDIFFERENCE SCREENWIDTH

```

```

                                RIGHTMARGINISH)
                                YCOORD _ (IDIFFERENCE SCREENHEIGHT
                                BUTTONY-FEATURES]
                                (WINDOWPROP B 'Apps.BUTTON 'FEATURE)
                                B]
;; Then if needed, remove/recreate documentation buttons
(if DoDocsToo
  then (for w in (OPENWINDOWS) when (MEMBER (WINDOWPROP W 'ICONLABEL)
                                            (LIST "DOCUMENTATION")))
    do (CLOSEW W))
  (for B in *ALL-BUTTONS* when (AND (EQ (WINDOWPROP B 'Apps.BUTTON)
                                         'DOC)
                                     (MEMBER (BUTTON-LABEL B)
                                              DOCS-LABELS))
    do (DELETE-BUTTON B))
  (SETQ IWS (CONS (Apps.CreateLabel "DOCUMENTATION" (IDIFFERENCE SCREENWIDTH (IDIFFERENCE
                                                                    RIGHTMARGINISH
                                                                    50))
                  (IDIFFERENCE SCREENHEIGHT SECTIONLYPOS))
                  IWS))
  (SETQ BUTTONS (APPEND (for DOC in DOCS collect (LET (B)
                                                        (SETQ BUTTONY-DOCS (IPLUS BUTTONY-DOCS
                                                                    YPOSDELTA))
                                                        [SETQ B (CREATE-BUTTON (LIST 'Apps.ShowDoc
                                                                    (CAR DOC))
                                                                    (CADR DOC)
                                                                    (create POSITION
                                                                    XCOORD _
                                                                    (IDIFFERENCE
                                                                    SCREENWIDTH
                                                                    RIGHTMARGINISH)
                                                                    YCOORD _
                                                                    (IDIFFERENCE
                                                                    SCREENHEIGHT
                                                                    BUTTONY-DOCS]
                                                                    (WINDOWPROP B 'Apps.BUTTON 'DOC)
                                                                    B))
                                                        BUTTONS)))
  [for B in BUTTONS do (COND
    ((WINDOWP B)
     (WINDOWPROP B 'RIGHTBUTTONFN 'NIL)
     (WINDOWPROP B 'BUTTONEVENTFN (FUNCTION (LAMBDA (BUTTON)
                                              (if (LASTMOUSESTATE (ONLY LEFT))
                                                  then (EXECUTE-BUTTON BUTTON))
                                              B)))
    ((WINDOWP IW)
     (WINDOWPROP IW 'RIGHTBUTTONFN 'NIL)
     (for B in BUTTONS when (WINDOWP B) collect B]))

```

(Apps.CreateLabel

```

[LAMBDA (Text CenterX BottomY)
  (LET* ((DS (DSPCREATE))
        (FONT (DSPFONT ' (HELVETICA 18 BOLD)
                        DS))
        (SR (STRINGREGION Text DS))
        (BMW (fetch (REGION WIDTH) of SR))
        (BMH (IPLUS (fetch (REGION HEIGHT) of SR)
                    (fetch (REGION BOTTOM) of SR)))
        (BM (BITMAPCREATE BMW BMH))
        (POS (create POSITION
                      XCOORD _ (IDIFFERENCE CenterX (IQUOTIENT BMW 2))
                      YCOORD _ BottomY))
        IW)
    (DSPDESTINATION BM DS)
    (PRIN1 Text DS)
    (SETQ IW (ICONW BM BM POS))
    (WINDOWPROP IW 'ICONLABEL Text)
    IW))
; Edited 5-Dec-2022 16:49 by FGH

```

(Apps.ActivateCLOS

```

[LAMBDA NIL
  (DECLARE (GLOBALVARS BackgroundMenuCommands BackgroundMenu))
  (if (NULL (SASSOC "CLOS Browse Class" BackgroundMenuCommands))
    then (PROGN [SETQ BackgroundMenuCommands (APPEND BackgroundMenuCommands
                                                         (LIST ' ("CLOS Browse Class"
                                                         (CLOS-BROWSER:BROWSE-CLASS)
                                                         "Bring up a class browser."
                                                         (SUBITEMS (|all in a package|
                                                         (CLOS-BROWSER:BROWSE-CLASS
                                                         (CLOS-BROWSER::CLASSES-IN-PACKAGE
                                                         (CLOS-BROWSER::IN-SELECT-PACKAGE))))
                                                         "Select a package and browse all the
                                                         classes defined in that package."))

```

; Edited 12-Nov-2022 14:41 by FGH

```
{MEDLEY}<greetfiles>APPS-INIT.;1 (Apps.ActivateCLOS cont.)
```

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```
(SETQ BackgroundMenu NIL)
```

(Apps.ActivateRooms

```
[LAMBDA (DoNotRefreshButtons)
  (DECLARE (GLOBALVARS BackgroundMenuCommands ROOMS:*SUITE-DIRECTORIES*))
  ; Edited 7-Dec-2022 11:13 by FGH
  ; Edited 12-Nov-2022 14:56 by FGH

  (if (NULL (SASSOC "Rooms" BackgroundMenuCommands))
    then (ROOMS:RESET))
  (SETQ ROOMS:*SUITE-DIRECTORIES* (CONS (CONCAT (UNIX-GETENV 'MEDLE_USERDIR)
    "/suites")
    ROOMS:*SUITE-DIRECTORIES*))

  (SETQ Apps.RoomsActivated T)
  (PROMPTPRINT "
    ROOMS functionality is now available via the Background Menu")
  (if (NOT DoNotRefreshButtons)
    then (Apps.CreateButtons]))
```

(Apps.ShowDoc

```
[LAMBDA (URL)
  (ShellBrowse URL)]
; Edited 18-Jan-2023 20:26 by FGH
```

(XCL-USER::EXEC_INTERLISP

```
[LAMBDA NIL
  (PROGN [MAPC (OPENWINDOWS)
    (FUNCTION (LAMBDA (W)
      (COND
        ((STREQUAL (WINDOWPROP W 'TITLE)
          "Exec (XCL) ")
          (PROGN (WINDOWPROP W 'TITLE "Exec (INTERLISP) ")
            (MOVEW W (create POSITION
              XCOORD _ 50
              YCOORD _ (IDIFFERENCE SCREENHEIGHT 460)
            (XCL:SET-DEFAULT-EXEC-TYPE 'INTERLISP)
            (XCL:SET-EXEC-TYPE 'INTERLISP]))
```

(Apps.AroundExitFn

```
[LAMBDA (EVENT)
  (if (MEMB EVENT '(AFTERLOGOUT AFTERSYSOUT AFTERSAVEVM))
    then (Apps.SetUpNOTECARDSDIRECTORIES))

)

(DECLARE%: DONTEVAL@LOAD DOCOPY

(Apps.Dolnit)
)

(DECLARE%: FIRST DONTEVAL@LOAD DOCOPY

(BKSYSBUF " ")
)
```

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