File created: 25-Mar-2024 13:01:51   **{DSK}<home>frank>il>notecards>system>NCFILECARD.;1**

changes to: (FNS NC.QuitFileSubstance)

previous date: 5-Nov-2020 19:31:00   {DSK}<home>frank>il>notecards>library>NCFILECARD.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

```
(RPAQQ NCFILECARDCOMS
        [(DECLARE%: DONTCOPY (PROPS (NCFILECARD MAKEFILE-ENVIRONMENT)
                                    (NCFILECARD FILETYPE)))
         (FNS NCAddStub.FileCard)
```

;;; Globalvars from elsewhere

```
        (GLOBALVARS NC.DefaultFont TEDIT.DEFAULT.MENU NC.FileCardIcon)
```

;;; Substance functions

```
        (FNS NC.MakeFileCard NC.EditFileSubstance NC.FileSubstanceDirtyP NC.GetFileSubstance
             NC.MarkFileSubstanceDirty NC.PutFileSubstance NC.QuitFileSubstance NC.FileCardPutFile)
```

;;; Utilities

```
        (FNS NC.FileCardFileVersionNumber NC.FileCardTitle NC.FetchTextStream NC.GetFileFromUser
             NC.MakeFileCardCore NC.SetTextStream NC.FileCardShrinkFn)
        (BITMAPS NC.FileCardIcon)
        (FNS NC.AddFileCardType)
        (DECLARE%: DONTEVAL@LOAD (* * Add file card type to CardTypes list)
             (P (NC.AddFileCardType))
             (* * Hang an ExportSubstanceFn off the File litatom.)
             (P (PUTPROP 'File 'ExportSubstanceFn (FUNCTION OPENTEXTSTREAM])

(DECLARE%: DONTCOPY

(PUTPROPS NCFILECARD MAKEFILE-ENVIRONMENT (:PACKAGE "IL" :READTABLE "INTERLISP" :BASE 10))

(PUTPROPS NCFILECARD FILETYPE :FAKE-COMPILE-FILE)
)

(DEFINEQ

(NCAddStub.FileCard
  [LAMBDA NIL                                                    ; Edited  5-Dec-87 20:02 by rht:

        (* * kirk 18Jun86 Add the text card stub)

        (* * rht 11/8/86%: Now specifies bitmap.)

    (DECLARE (GLOBALVARS NC.FileCardIcon))
    (NC.AddCardTypeStub 'File 'NoteCard 'NCFILECARD NIL `((DisplayedInMenuFlg T)
                                                          (LinkIconAttachedBitMap ,NC.FileCardIcon])
)
```

;;; Globalvars from elsewhere

```
(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS NC.DefaultFont TEDIT.DEFAULT.MENU NC.FileCardIcon)
)
```

;;; Substance functions

```
(DEFINEQ

(NC.MakeFileCard
  [LAMBDA (Card Title NoDisplayFlg ParamList InterestedWindow RegionOrPosition)
                                                       ; Edited  5-Aug-88 15:47 by Trigg
```

;;; Make a new card of type File -- ERSETQ around Core procedure here!
      ;; rht 8/5/88: Added RegionOrPosition arg and passed to NC.MakeFileCardCore. Also added ParamList and InterestedWindow args.

```
    (LET (ReturnValue)
         (COND
           ((AND (ERSETQ (SETQ ReturnValue (NC.MakeFileCardCore Card Title NoDisplayFlg ParamList
                                                    InterestedWindow RegionOrPosition)))
                 ReturnValue))
           (T (AND (OPENWP (NC.FetchWindow Card))
```

```
                        (CLOSEW (NC.FetchWindow Card)))
              NIL])
```

(**NC.EditFileSubstance**
```
  [LAMBDA (Card FileDesignator RegionOrPosition)                    (* rht%: "29-Apr-87 16:32")
```

(* * Bring up a TEdit window for Card ID whose substance is specified by file designator in Region specified by
RegionOrPosition or by the user.)

(* * fgh |12/17/85| Updated for 1.3 and multiple open NFs)

(* * fgh |6/1/86| Updated with new title bar menu scheme)

(* * rht 11/16/86%: Now moves window to RegionOrPosition if already up.)

(* * rht 4/29/87%: Changed to match NC.BringUpTEditCard.)

```
     (PROG (Region TEditWindow TEditProcess Title NewFileName Type TextStream)
        (if (SETQ TEditWindow (NC.FetchWindow Card))
            then (TOTOPW TEditWindow)
                 (if RegionOrPosition
                     then (SHAPEW TEditWindow (NC.DetermineDisplayRegion Card RegionOrPosition)))
                 (RPTQ 2 (FLASHW TEditWindow))
                 (if (SETQ TEditProcess (WINDOWPROP TEditWindow 'PROCESS))
                     then (TTY.PROCESS TEditProcess)
                   else                                          (* Process may have been turned off.
                                                                 Try to restart.)
                        (SETQ TEditProcess (RESTART-PROCESS-OF-TEDIT-WINDOW TEditWindow)))
                 (RETURN TEditWindow))
        (SETQ Region (NC.DetermineDisplayRegion Card RegionOrPosition))
        (SETQ Title (NC.RetrieveTitle Card))
        (SETQ Type (NC.RetrieveType Card))
        (SETQ TEditWindow (CREATEW Region Title NIL T))          (* Make a prompt window "invisibly" so it gets hooked in.)
        (NC.AttachPromptWindowOffScreen TEditWindow)
        (WINDOWADDPROP TEditWindow 'SHRINKFN (FUNCTION NC.FileCardShrinkFn))
        (NC.InstallTitleBarLeftMenu TEditWindow Type)
        (NC.InstallTextTitleBarMiddleMenu TEditWindow Type)
        [COND
           ((NULL (INFILEP FileDesignator))
            (NC.PrintMsg TEditWindow T FileDesignator " is no longer a file." (CHARACTER 13))
            (COND
               [(NC.YesP (NC.AskUser "Do you want to create the file?" " -- " "Yes" NIL TEditWindow NIL NIL T)
                        )
                (CLOSEF (PROG1 (SETQ FileDesignator (OPENSTREAM FileDesignator 'OUTPUT 'NEW))
                              (BOUT FileDesignator 32]
               ((NC.YesP (NC.AskUser "Do you want to respecify the file name?" " -- " "Yes" NIL TEditWindow
                                 NIL NIL T))
                (SETQ FileDesignator (**NC.GetFileFromUser** TEditWindow T))
                (NC.SetSubstance Card FileDesignator)
                (NC.MarkCardDirty Card)
                (NC.SetTitle Card (**NC.FileCardTitle** Card))
                (NC.SetTitleDirtyFlg Card T)
                (WINDOWPROP TEditWindow 'TITLE (NC.SetTitle Card (**NC.FileCardTitle** Card)))
                (NC.PutProp Card 'FileName FileDesignator))
              (T (CLOSEW TEditWindow)
                 (RETURN NIL]
        (TEDIT FileDesignator TEditWindow NIL (NC.MakeTEditPropsList TEditWindow T (**fetch** (Card NoteFile)
                                                                                       **of** Card)))
        [**NC.SetTextStream** Card (SETQ TextStream (WINDOWPROP TEditWindow 'TEXTSTREAM]
        (STREAMPROP TextStream 'NoteCardObject Card)
        (NC.PutProp Card 'FileVersion (**NC.FileCardFileVersionNumber** Card))
        (RETURN TEditWindow])
```

(**NC.FileSubstanceDirtyP**
```
  [LAMBDA (Card)                                                    (* fgh%: "17-Dec-85 18:23")
```

(* * Return T is TextSubstance has been changed.)

(* * fgh |12/17/85| Updated for 1.3)

```
     (LET (TextStream)
         (AND (SETQ TextStream (**NC.FetchTextStream** Card))
              (TEDIT.STREAMCHANGEDP TextStream])
```

(**NC.GetFileSubstance**
```
  [LAMBDA (Card Length Stream VersionNumber)                        (* fgh%: " 3-Jun-86 15:45")
```

(* * Read the File designator from DatabaseStream)

(* * fgh |12/17/85| Updated for 1.3)

(* * fgh |6/3/86| Added Stream and VersionNumber args and made READ from Stream.)

```
     (READ Stream])
```

(NC.MarkFileSubstanceDirty
```
  [LAMBDA (Card ResetFlg)                                              (* fgh%: "17-Dec-85 18:24")
```

(* * Mark or unmark TextStream of File being changed.)

(* * fgh |12/17/85| Updated for 1.3)

```
    (LET (TextObj (Window (NC.FetchWindow Card)))
         (AND Window (SETQ TextObj (WINDOWPROP Window 'TEXTOBJ))
              (replace (TEXTOBJ \DIRTY) of TextObj with (COND
                                                         (ResetFlg NIL)
                                                         (T T])
```

(NC.PutFileSubstance
```
  [LAMBDA (Card Stream)                                                (* fgh%: " 3-Jun-86 15:45")
```

(* * Put a file designator onto DatabaseStream)

(* * fgh |12/17/85| Updated for 1.3)

(* * Save the file for this file card)

(* * fgh |2/6/86| Now returns a version number.)

  (**NC.FileCardPutFile** Card Stream)

(* * Save the file card stuff in the NoteFile)

```
    (PRINT (NC.FetchSubstance Card)
           Stream)
    0])
```

(NC.QuitFileSubstance
```
  [LAMBDA (WindowOrTextStreamOrCard)                                   (* rht%: "16-Oct-86 16:59")
```

(* * fgh |12/17/85| Updated for 1.3)

(* * rht 10/16/86%: Removed call to NC.DeactivateCard.)

```
    (LET (Window PromptWindow TextStream TextStreamChanged (Card (NC.CoerceToCard WindowOrTextStreamOrCard)))
         (SETQ TextStream (NC.FetchTextStream Card))
         (SETQ Window (NC.FetchWindow Card))
         [COND
            (Window (WINDOWDELPROP Window 'CLOSEFN (FUNCTION NC.QuitCard))
                    (TEDIT.QUIT TextStream)
                    (AND (SETQ PromptWindow (TEDIT.PROMPTWINDOW TextStream))
                         (CLOSEW PromptWindow]
         (NC.SetTextStream Card NIL])
```

(NC.FileCardPutFile
```
  [LAMBDA (WindowOrCard DatabaseStream QuittingFlg)              ; Edited 15-Sep-88 14:47 by Trigg
```

;;;; Do the work to save a file card. That is you must put the file if its changed as well as write thee notecard info to the NoteFile

    ;; fgh 12/17/85 Updated for 1.3

    ;; rht 9/15/88: Ripped out stuff that changes title to match file we just "put" to.

```
    (LET ((Card (NC.CoerceToCard WindowOrCard))
          TextStream)
         (SETQ TextStream (NC.FetchTextStream Card))
         (if (AND TextStream (TEDIT.STREAMCHANGEDP TextStream))
             then (TEDIT.PUT TextStream (NC.FetchSubstance Card))
                  (NC.PutProp Card 'FileVersion (NC.FileCardFileVersionNumber Card])
```
)

;;;; Utilities

(DEFINEQ

(NC.FileCardFileVersionNumber
```
  [LAMBDA (Card)                                                       (* fgh%: "17-Dec-85 18:17")
```

(* * Return the current version number of the file reffered to by the file card ID)

(* * fgh |12/17/85| Updated for 1.3)

```
    (FILENAMEFIELD [FULLNAME (fetch (TEXTOBJ TXTFILE) of (TEXTOBJ (NC.FetchTextStream Card]
             'VERSION])
```

(NC.FileCardTitle

```
    [LAMBDA (Card)                                                                    (* rht%: "25-Mar-87 15:40")

            (* * Determine the title for file card ID)

            (* * fgh |12/17/85| Updated for 1.3 and multiple open NoteFiles.)

        (LET ((FileName (NC.FetchSubstance Card)))
             (CONCAT (FILENAMEFIELD FileName 'NAME)
                     "."
                     (OR (FILENAMEFIELD FileName 'EXTENSION)
                         "")])
```

(**NC.FetchTextStream**
```
    [LAMBDA (Card)                                                                    (* fgh%: "17-Dec-85 19:32")

            (* * fgh |12/17/85| Updated for 1.3)

        (NC.FetchUserDataProp Card 'NoteCardTextStream])
```

(**NC.GetFileFromUser**
```
    [LAMBDA (Window DontClearPromptFlg FirstTry)                                       (* rht%: "29-Apr-87 15:00")

            (* * Create a file designator)

            (* * rht 3/25/87%: Changed to call NC.AskYesOrNo.)

            (* * rht 4/29/87%: Removed call to NC.YesP.)

        (LET (FileName FullFileName)
             (SETQ FileName (NC.AskUser "Enter file name" ":  " FirstTry (NULL DontClearPromptFlg)
                                    Window T NIL T))
             (PROG1 (COND
                        ((SETQ FullFileName (INFILEP FileName))
                         (PACKFILENAME 'VERSION NIL 'BODY FullFileName))
                        ([NULL (SETQ FullFileName (FULLNAME FileName 'NEW]
                         (NC.PrintMsg Window T FileName " is not a legal file name." (CHARACTER 13)
                                "Please try again."
                                (CHARACTER 13))
                         (**NC.GetFileFromUser** Window T))
                        [(NC.AskYesOrNo (CONCAT "Do you want me to create " FullFileName)
                                " ? " "Yes" T Window NIL NIL T)
                         (PACKFILENAME 'VERSION NIL 'BODY (CLOSEF (PROG1 (SETQ FileName (OPENSTREAM FileName
                                                                                              'OUTPUT
                                                                                              'NEW))
                                                                (BOUT FileName 32]
                        ((NC.YesP (NC.AskYesOrNo "Do you want to specify another file name?" " -- " "No" T Window NIL
                                NIL T))
                         (**NC.GetFileFromUser** Window DontClearPromptFlg FirstTry))
                        (T NIL))
                    (NC.ClearMsg Window T])
```

(**NC.MakeFileCardCore**
```
    [LAMBDA (Card Title NoDisplayFlg ParamList InterestedWindow RegionOrPosition)
                                                                          ; Edited  5-Aug-88 15:48 by Trigg
```
;;; Make a new card of type File -- Core procedure
```
        ;; fgh 12/17/85 Updated for 1.3 multiple open NF changes
        ;; fgh 6/1/86 Updated with new title bar menu scheme
        ;; rht 3/25/87: Cleaned up lots of outdated cruftiness.
        ;; rht 4/29/87: Changed to match NC.MakeTEditCard.
        ;; rht 8/5/88: Added RegionOrPosition arg and passed to NC.MakeNewCardWindow.  Also added ParamList and InterestedWindow args.
        (LET (FileName TextStream)
             (if (NOT NoDisplayFlg)
                 then (LET ((Window (NC.MakeNewCardWindow Card (OR Title "Creating File card ...")
                                    NIL T RegionOrPosition))
                            (Type (NC.RetrieveType Card)))            ; Make a prompt window 'invisibly' so it gets hooked in.
                          (NC.AttachPromptWindowOffScreen Window)
                          (NC.InstallTitleBarLeftMenu Window Type)
                          (NC.InstallTextTitleBarMiddleMenu Window Type)
                          (WINDOWADDPROP Window 'SHRINKFN (FUNCTION NC.FileCardShrinkFn))
                          (TEDIT NIL Window NIL (NC.MakeTEditPropsList Window T (fetch (Card NoteFile) of Card)))
                          (until [SETQ TextStream (**NC.SetTextStream** Card (WINDOWPROP Window 'TEXTSTREAM]
                             do (BLOCK))
                          (STREAMPROP TextStream 'NoteCardObject Card)
                          (if (SETQ FileName (**NC.GetFileFromUser** Window))
                              then (TEDIT.INCLUDE (TEXTOBJ TextStream)
                                          FileName)
                                   (NC.SetSubstance Card FileName)
                                   (WINDOWPROP Window 'TITLE (NC.SetTitle Card (**NC.FileCardTitle** Card)))
                                   (NC.PutProp Card 'FileName FileName)
                                   (NC.PutProp Card 'FileVersion (**NC.FileCardFileVersionNumber** Card))
```

```
                                    (GIVE.TTY.PROCESS Window)
                                    Window
                          else (NC.DeleteNoteCard Card NIL T)
                                NIL))
              else (SETQ FileName (NC.GetFileFromUser))
                    (NC.SetSubstance Card FileName)
                    (NC.SetTitle Card (NC.FileCardTitle Card))
                   Card])
```

(NC.SetTextStream
```
  [LAMBDA (Card TextStream)                                             (* fgh%: "17-Dec-85 19:30")
```

(* * fgh |12/17/85| Updated for 1.3)

```
   (NC.SetUserDataProp Card 'NoteCardTextStream TextStream)
   TextStream])
```

(NC.FileCardShrinkFn
```
  [LAMBDA (W)                                                          ; Edited  5-Feb-88 23:27 by Trigg
```

;;; This is in order to get the right title on the TEdit icon. This is a kludgy finesse around TEdit's shrunken icon title facility.

  ;; rht 2/5/88: Now just calls TextCard's shrink fn, slightly modifying the shrunken icon title.

```
   (NC.TextCardShrinkFn W (CONCAT "File Card" (CHARACTER 13)
                                  "NC: "])
```

)

(RPAQQ **NC.FileCardIcon** ⌊FILE⌋)

(DEFINEQ

(NC.AddFileCardType
```
  [LAMBDA NIL                                                          ; Edited  5-Dec-87 20:02 by rht:
```

          (* * Add a file card type to the card types list)

```
   (NC.AddCardType 'File 'NoteCard '[(MakeFn ,(FUNCTION NC.MakeFileCard))
                                     (EditFn ,(FUNCTION NC.EditFileSubstance))
                                     (QuitFn ,(FUNCTION NC.QuitFileSubstance))
                                     (GetFn ,(FUNCTION NC.GetFileSubstance))
                                     (PutFn ,(FUNCTION NC.PutFileSubstance))
                                     (MarkDirtyFn ,(FUNCTION NC.MarkFileSubstanceDirty))
                                     (DirtyPFn ,(FUNCTION NC.FileSubstanceDirtyP]
             '((DefaultWidth 350)
               (DefaultHeight 500)
               (LinkAnchorModesSupported ,'Global)
               (DisplayedInMenuFlg T)
               [MiddleButtonMenuItems ,(for Item in (fetch (MENU ITEMS) of TEDIT.DEFAULT.MENU)
                                           collect (if (EQ Item 'Quit)
                                                       then '(Quit (FUNCTION NC.QuitCard)
                                                                   "Close this note card after saving it in the
                                                                   NoteFile.")
                                                     else Item]
               (LinkIconAttachedBitMap ,NC.FileCardIcon])
```

)

(DECLARE%: DONTEVAL@LOAD

(**NC.AddFileCardType**)

(PUTPROP 'File 'ExportSubstanceFn (FUNCTION OPENTEXTSTREAM))
)

FUNCTION INDEX

VARIABLE INDEX

PROPERTY INDEX