

File created: 12-May-88 17:00:32 {DSK}<LISPFILERS>NOTECARDS>COLLAB>NCCOLLABORATION.;3

changes to: (FNS NCCollab.CollaboratizeNoteFile)

previous date: 13-Apr-88 15:49:56 {DSK}<LISPFILERS>NOTECARDS>COLLAB>NCCOLLABORATION.;2

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

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(RPAQQ **NCCOLLABORATIONCOMS**

[(DECLARE%: DONTCOPY (PROPS (NCCOLLABORATION MAKEFILE-ENVIRONMENT)  
(NCCOLLABORATION FILETYPE)))]

;;; Package of handy functions and cardtypes for collaborators.

```
(FILES (FROM NOTECARDS)
  NCCOLLABORATORCARD NCHISTORYCARD)
(GLOBALVARS NCCollab.CollabInfoExtraMenuItems NCCollab.NoteFileIconMiddleMenuItems
  NCCollab.CollaboratorsMenuGreyShade)
[INITVARS (NCCollab.CollaboratorsMenuGreyShade 4096)
  (NCCollab.NoteFileIconMiddleMenuItems '((Collaborator% Info NCCollab.AccessCollaboratorInfo
  "Modify info for a known collaborator name, create
  a new one, or remove an existing one.")
  (FNS NCCollab.OpenNoteFileFn NCCollab.CollaboratizeNoteFile NCCollab.GetCollabInfoBox
  NCCollab.ChangeCurrentCollaborator NCCollab.RemoveCollaboratorCard NCCollab.AccessCollaboratorInfo
  NCCollab.MakeCollaboratorsMenu NCCollab.ListOfCollaboratorCards)
  (FNS NCCollab.HangOnCardUntilDone)
  (P (NCP.AddSessionIconMenuItem 'NoteFile '(| Collaboratize | NCCollab.CollaboratizeNoteFile
  "Collaboratizes a notefile.")
  (NCP.AddNoteFileIconMenuItem '(Collaboratize NCCollab.CollaboratizeNoteFile "Collaboratizes a
  notefile.")
  'Open))
```

(DECLARE%: DONTCOPY

(PUTPROPS **NCCOLLABORATION MAKEFILE-ENVIRONMENT** (:PACKAGE "INTERLISP" :READTABLE "INTERLISP"))

(PUTPROPS **NCCOLLABORATION FILETYPE** :TCOMPL)

;;; Package of handy functions and cardtypes for collaborators.

(FILESLOAD (**FROM** NOTECARDS)  
NCCOLLABORATORCARD NCHISTORYCARD)

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS NCCollab.CollabInfoExtraMenuItems NCCollab.NoteFileIconMiddleMenuItems  
NCCollab.CollaboratorsMenuGreyShade)

(RPAQ? **NCCollab.CollaboratorsMenuGreyShade** 4096)

(RPAQ? **NCCollab.NoteFileIconMiddleMenuItems** '((Collaborator% Info NCCollab.AccessCollaboratorInfo "Modify info for a  
known collaborator name, create a new one, or remove an  
existing one.))

(DEFINEQ

(**NCCollab.OpenNoteFileFn**

[LAMBDA (NoteFile)

; Edited 12-Jan-88 13:54 by pmi:

;;; This gets called at notefile-open time.

;;; pmi 10/21/87: Now prompts for new collaborator name before creating the collaborator card, rather than creating a collaborator card with '??' as the  
;;; title.

(**DECLARE** (GLOBALVARS NCCollab.NoteFileIconMiddleMenuItems))

(LET ((UserName (USERNAME)

Menu CollaboratorCard MenuItemRegion)

(NCP.AddNoteFileIconMiddleButtonItems NoteFile NCCollab.NoteFileIconMiddleMenuItems)

[SETQ Menu (NCCollab.MakeCollaboratorsMenu NoteFile '("-- New Name(s) --" 'NEWNAMES "Create a new  
collaborator information card.")

(NCP.PrintMsg NIL T "Please select Collaborator name(s) ")

(\* Make Menu be positioned next to UserName if present,  
otherwise at "NewNames" entry.)

(SETQ MenuItemRegion (MENUITEMREGION (**for** Item **in** (**fetch** (MENU ITEMS) **of** Menu)

**when** (STREQAL (U-CASE (CAR Item))

```

(U-CASE UserName)
do (RETURN Item) finally (RETURN Item)
Menu))
(replace (MENU MENUOFFSET) of Menu with (CONS (fetch (REGION LEFT) of MenuItemRegion)
(fetch (REGION BOTTOM) of MenuItemRegion)))
(if (EQ (SETQ CollaboratorCard (MENU Menu))
'NEWNAMES)
then
(* Create a new card with unknown title if UserName is on menu, else use UserName.)
[SETQ CollaboratorCard (NCP.CoerceToCard (NCP.CreateCard
'Collaborator NoteFile
(if (for Item in (fetch (MENU ITEMS) of Menu)
thereis (STREQUAL (CAR Item)
UserName))
then (NCP.AskUser "Enter new name(s) for
collaborator(s): " NIL NIL T
(NC.CoerceToInterestedWindow NoteFile
))
else UserName]
(NCCollab.HangOnCardUntilDone CollaboratorCard "DONE" "Fill in parameters" "Selecting DONE
indicates completion of updating this card. Will allow OpenNoteFile to continue.")
(if (NCP.ValidCardP CollaboratorCard)
then (NCCollab.ChangeCurrentCollaborator NoteFile CollaboratorCard])

```

**(NCCollab.CollaboratizeNoteFile**

[LAMBDA (NoteFile)

; Edited 12-May-88 16:43 by pmi

```

;; Initialize given notefile for collaborative use. Make a collaboration card if none exists and register in the notefile. Hang a call to
;; NCCollab.OpenNoteFileFn in the OpenEventsCard for the notefile.
;; rht 4/19/87: Now calls NC.LoadFileFromDirectories rather than FILESLOAD.
;; rht 1/3/88: Fixed bug in call to NC.LoadFileFromDirectories; was calling with unquoted litatom arg.
;; pmi 5/12/88: Now prints a message if notefile is not open, nistead of breaking.

```

```

(if (NCP.OpenNoteFileP NoteFile)
then (LET ((OpenEventsCard (NCP.GetOpenEventsCard NoteFile))
[OpenEventSExp ' (PROGN (NC.LoadFileFromDirectories 'NCCOLLABORATION)
(NCCollab.OpenNoteFileFn NoteFile)
OpenEventsCardWasCachedFlg)
;; Run the collaboration OpenNoteFileFn now.
(NCCollab.OpenNoteFileFn NoteFile)
;; Make sure that file has been historitized.
(NCHist.HistoricizeNoteFile NoteFile)
;; Add call to NCCollab.OpenNoteFileFn to the open events card substance. Since historicizing has already happened, this
;; makes sure that collaboration opennotefilefn precedes history one.
(if (NOT (SETQ OpenEventsCardWasCachedFlg (NCP.ActiveCardP OpenEventsCard)))
then (NCP.CacheCards OpenEventsCard))
[if (NOT (MEMBER OpenEventSExp (NCP.CardSubstance OpenEventsCard)))
then (NCP.CardSubstance OpenEventsCard (CONS OpenEventSExp (NCP.CardSubstance
OpenEventsCard)
OpenEventsCard))
(if (NOT OpenEventsCardWasCachedFlg)
then (NCP.CloseCards OpenEventsCard))
else (LET ((InterestedWindow (NCP.CoerceToInterestedWindow NoteFile)))
(NCP.PrintMsg InterestedWindow T (CONCAT "Can't collaboratize closed notefile: " (
NCP.FileNameFromNoteFile
NoteFile)))
(DISMISS NC.MsgDelay)
(NCP.ClearMsg InterestedWindow T))

```

**(NCCollab.GetCollabInfoBox**

[LAMBDA (NoteFile)

(\* rht%: " 8-Dec-86 22:27")

(\* \* Create a collaboration info card if there isn't one already.)

```

(LET ((Box (NCP.LookupCardByName 'CollabInfo NoteFile)))
(if (NOT (NCP.ValidCardP Box))
then (SETQ Box (NCP.CreateFileBox NoteFile "Collaboration Info" T))
(NCP.MarkAsNotNeedingFiling Box)
(NCP.RegisterCardByName 'CollabInfo Box))
Box])

```

**(NCCollab.ChangeCurrentCollaborator**

[LAMBDA (NoteFile CollaboratorCard)

(\* rht%: "23-Nov-86 17:48")

(\* \* Change current collaborator. If CollaboratorCard is NIL, then ask user to specify.)

```

[OR CollaboratorCard (SETQ CollaboratorCard (MENU (NCCollab.MakeCollaboratorsMenu NoteFile)
(if (NCP.ValidCardP CollaboratorCard)
then (NCP.NoteFileProp NoteFile 'CurrentCollaboratorCard CollaboratorCard)
(NCInsp.InstallParams CollaboratorCard])

```

**(NCCollab.RemoveCollaboratorCard**

[LAMBDA (NoteFile)

(\* rht%: "23-Nov-86 16:47")

(\* \* Remove one of the collaborator cards.)

```
(LET [(CollaboratorCard (MENU (NCCollab.MakeCollaboratorsMenu NoteFile)
  (if (NCP.ValidCardP CollaboratorCard)
      then (NCP.DeleteCards CollaboratorCard))
```

**(NCCollab.AccessCollaboratorInfo**

[LAMBDA (NoteFile Item)

(\* rht%: "23-Nov-86 17:45")

(\* \* Called from NoteFile icon's middle button menu. Bring up a menu of known collaborator names plus options to add a new name or remove one.)

```
(LET [(Result (MENU (NCCollab.MakeCollaboratorsMenu NoteFile ' ("-- New Name(s) --" 'NEWNAMES "Create a new
  collaborator information card.")
  ("-- Remove Name --" 'REMOVENAME "Remove one
  of the collaborator information
  cards.")
  ("-- Change current collaborator --"
  'CHANGECURRENT "Change choice of current
  collaborator name."])
  (COND
    ((NCP.ValidCardP Result)
     (NCP.OpenCard Result))
    ((EQ Result 'NEWNAMES)
     (NCP.CreateCard 'Collaborator NoteFile "??"))
    ((EQ Result 'REMOVENAME)
     (NCCollab.RemoveCollaboratorCard NoteFile))
    ((EQ Result 'CHANGECURRENT)
     (NCCollab.ChangeCurrentCollaborator NoteFile])
```

**(NCCollab.MakeCollaboratorsMenu**

[LAMBDA (NoteFile ExtraMenuItems)

(\* rht%: " 8-Dec-86 22:36")

(\* \* Returns a menu with items corresponding to the collaborators of this notefile. The current collaborator, if any, is shaded.)

```
(DECLARE (GLOBALVARS NCCollab.CollaboratorsMenuGreyShade))
(LET ((ListOfCollaboratorCards (NCCollab.ListOfCollaboratorCards NoteFile))
  ListOfCollaboratorNames Menu CurrentCollaboratorCard)
  (SETQ ListOfCollaboratorNames (for Card in ListOfCollaboratorCards collect (NCP.CardTitle Card)))
  (SETQ CurrentCollaboratorCard (NCP.NoteFileProp NoteFile 'CurrentCollaboratorCard))
  (SETQ Menu (create MENU
    ITEMS _ `(%,@ (for Name in ListOfCollaboratorNames as Card in ListOfCollaboratorCards
      collect (LIST Name Card "Selects this collaborator name or names."))
      %,@ ExtraMenuItems)
    TITLE _ "Collaborator Name(s)")) (* Shade item corresponding to current collaborator.)
  (if (NCP.ValidCardP CurrentCollaboratorCard)
      then (for Item in (fetch (MENU ITEMS) of Menu) when (AND (NCP.ValidCardP (CADR Item))
        (NCP.SameCardP CurrentCollaboratorCard (CADR Item)))
        do (SHADEITEM Item Menu NCCollab.CollaboratorsMenuGreyShade)))
  Menu))
```

**(NCCollab.ListOfCollaboratorCards**

[LAMBDA (NoteFile)

(\* rht%: " 8-Dec-86 22:36")

(\* \* Returns a list of the collaborator cards in given NoteFile.)

```
(LET ((CollabInfoBox (NCCollab.GetCollabInfoBox NoteFile)))
  (if (NCP.ValidCardP CollabInfoBox)
      then (NCP.FileBoxChildren CollabInfoBox])
)
```

(DEFINEQ

**(NCCollab.HangOnCardUntilDone**

[LAMBDA (Card MenuButtonName MenuTitle HelpMessage)

(\* rht%: "23-Nov-86 14:25")

(\* \* Bring up Card, attach menu with title MenuTitle and with a single button having name MenuButtonName and help message HelpMessage.)

```
(LET ((Window (NCP.OpenCard Card))
  [Menu (create MENU
    ITEMS _ `((%, MenuButtonName NIL %, HelpMessage))
    TITLE _ MenuTitle
    MENUFONT _ (FONTCREATE 'HELVETICA 12 'BRR)
    MENUTITLEFONT _ (FONTCREATE 'HELVETICA 10 'BRR])
  WindowRegion)
```

```
(SETQ WindowRegion (WINDOWREGION Window))
(MENU Menu (CONS (fetch (REGION LEFT) of WindowRegion)
                 (PLUS (fetch (REGION BOTTOM) of WindowRegion)
                       (fetch (REGION HEIGHT) of WindowRegion)))
          T])
)
(NCP.AddSessionIconMenuItem 'NoteFile ' (| Collaboratize | NCCollab.CollaboratizeNoteFile "Collaboratizes a
notefile."))
(NCP.AddNoteFileIconMenuItem ' (Collaboratize NCCollab.CollaboratizeNoteFile "Collaboratizes a notefile.")
'Open)
(PUTPROPS NCCOLLABORATION COPYRIGHT ("Xerox Corporation" 1986 1987 1988))
```

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