

File created: 5-Nov-2020 20:02:28 {DSK}<users>arunwelch>skydrive>documents>unix>lisp>lde>notecards>system>NCSEARCHCARD.;5

previous date: 9-Jan-94 20:15:11 {DSK}<users>arunwelch>skydrive>documents>unix>lisp>lde>notecards>system>NCSEARCHCARD.;4

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

;;  
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(RPAQQ **NCSEARCHCARD**COMS  
(

;;; Stuff for the Notecards search card.

```
(DECLARE%: DONTEVAL@LOAD (FILES NCTEXTCARD))
(FNS NCAddStub.SearchCard)
(FNS NC.MakeSearchCard NC.AddSearchCard NC.TitleSearch)
(BITMAPS NC.SearchCardIcon)
(DECLARE%: DONTEVAL@LOAD (P (NC.AddSearchCard)))
(PROP (FILETYPE MAKEFILE-ENVIRONMENT)
      NCSEARCHCARD))
```

;;; Stuff for the Notecards search card.

```
(DECLARE%: DONTEVAL@LOAD
```

```
(FILESLOAD NCTEXTCARD)
)
```

```
(DEFINEQ
```

```
(NCAddStub.SearchCard
```

```
[LAMBDA NIL
```

```
; Edited 6-Dec-88 12:25 by krivacic
```

;;; kirk 18Jun86 Add the Search card stub

;;; rht 11/7/86: Now passes down a \FILLME// field.

```
(NC.AddCardTypeStub 'Search 'Text 'NCSEARCHCARD NIL `((DisplayedInMenuFlg T)
                                                         (LinkIconAttachedBitMap ,NC.SearchCardIcon))
```

```
)
```

```
(DEFINEQ
```

```
(NC.MakeSearchCard
```

```
[LAMBDA (Card Title NoDisplayFlg ParamList InterestedWindow RegionOrPosition)
```

```
; Edited 5-Aug-88 13:53 by Trigg
```

;; Search for cards with specified characteristics and create a list card containing pointers to these cards. For now search is limited to cards whose title contains a specified string.

;; rht 11/8/84: Fixed some confusion between ListCardID and ID variables.

;; fgh 11/17/85 Updated to handle multiple notefiles and crad objects.

;; rht 4/11/86: changed to call NC.ApplySuper.

;; rht 10/21/86: Now deletes card if no search string specified.

;; rg 3/16/87 NC.DeleteNoteCards -> NC.DeleteNoteCard

;; rht 8/5/88: Added RegionOrPosition arg and passed to super's makefn. Also added ParamList and InterestedWindow args.

```
(LET ((NoteFile (fetch (Card NoteFile) of Card))
      SearchString HitCards WindowOrCard Window)
      (SPAWN.MOUSE)
      (SETQ WindowOrCard (NC.ApplySupersFn MakeFn Card (OR Title "SearchCard")
                                                NoDisplayFlg ParamList InterestedWindow RegionOrPosition))
      (NC.ActivateCard Card)
      (SETQ Window (AND (WINDOWP WindowOrCard)
                        WindowOrCard))
      (SETQ SearchString (NC.AskUser "Please enter the search string: " NIL NIL T (OR Window InterestedWindow))))
      (if (OR (EQUAL SearchString "")
              (NOT SearchString))
          then (NC.DeleteNoteCard Card NIL T)
              NIL
          else [NC.SetTitle Card (SETQ Title (OR Title (CONCAT "Cards with %" SearchString "% in title")
                                                    (AND Window (WINDOWPROP Window 'TITLE Title)))
              (RESETLST
               (RESETSAVE (CURSOR WAITINGCURSOR))
               (NC.PrintMsg (OR Window InterestedWindow))
```

```

T "Searching for cards ...")
(SETQ HitCards (NC.TitleSearch NoteFile SearchString))
(TEDIT.INSERT (NC.FetchSubstance Card)
(CONCAT " List compiled on: " (DATE)
(CHARACTER 13)
(CHARACTER 13))
1)
(for HitCard in HitCards unless (EQ HitCard Card) do (NC.InsertLinkBeforeMarker Card HitCard
NC.ListContentsLinkLabel NIL NIL))
(NC.PrintMsg (OR Window InterestedWindow)
NIL "Done!" (CHARACTER 13)))
(BLOCK 250)
(NC.ClearMsg (OR Window InterestedWindow)
T)
WindowOrCard])

```

**(NC.AddSearchCard**

[LAMBDA NIL

; Edited 2-Dec-88 17:29 by krivacic

(\* fgh |11/14/85| Updated to ri of substance type param to add card type.)

```

(NC.AddCardType 'Search 'Text `[ (MakeFn , (FUNCTION NC.MakeSearchCard)
`((LinkDisplayMode Title)
(LinkIconAttachedBitMap ,NC.SearchCardIcon)
(DisplayedInMenuFlg ,T])

```

**(NC.TitleSearch**

[LAMBDA (NoteFile SearchString)

; Edited 11-Jan-89 14:12 by rtk

;;; Searches all cards on NoteFile for ones with SearchString in their title.

;;; rht 3/25/87: Now only looks at non-deleted cards.

;;; bk 12-28-88: Search only valid card types.

;;; Add \* and ? windcards.

```

(LET* ((NULL-STRING "")
(SEARCH-CHARS (UNPACK SearchString))
(NEXT-SEARCH-ITEM NULL-STRING)
(NC.ListOfCardTypes (NC.ListOfCardTypes T))
SEARCH-LIST)
;; Break the search string into wildcard components of "text" "?" or "*"
[for NEXTCHAR in SEARCH-CHARS do (COND
((EQ NEXTCHAR '*')
(SETQ SEARCH-LIST (CONS '* (CONS NEXT-SEARCH-ITEM SEARCH-LIST)))
(SETQ NEXT-SEARCH-ITEM NULL-STRING))
(EQ NEXTCHAR '?')
(SETQ SEARCH-LIST (CONS '? (CONS NEXT-SEARCH-ITEM SEARCH-LIST)))
(SETQ NEXT-SEARCH-ITEM NULL-STRING))
(T (SETQ NEXT-SEARCH-ITEM (CONCAT NEXT-SEARCH-ITEM NEXTCHAR))

;; Add the Last item to the search list
(if (NEQ NULL-STRING NEXT-SEARCH-ITEM)
then (SETQ SEARCH-LIST (CONS NEXT-SEARCH-ITEM SEARCH-LIST)))
;; If there was only one component of text, then add a "*" to each end.
[if [AND (EQ (LENGTH SEARCH-LIST)
1)
(NOT (FMEMB (CAR SEARCH-LIST)
'(* ?))]
then (SETQ SEARCH-LIST (LIST '* (CAR SEARCH-LIST)
'*]
(SETQ SEARCH-LIST (REVERSE SEARCH-LIST))
;; Map through the cards
(NC.MapCards NoteFile [FUNCTION (LAMBDA (Card)
Card]
(FUNCTION (LAMBDA (Card)
(LET ((HAD-A-MISMATCH NIL)
(SEARCH-POS 1)
(BASE-POS 0)
(SEARCH-TITLE (AND (NC.ValidCardP Card)
(NC.RetrieveTitle Card)))
(LAST-PATTERN '?')
(SEARCH-INCREMENT 0))
(AND SEARCH-TITLE (FMEMB (fetch (Card Type) of Card)
NC.ListOfCardTypes)
(PROGN (for SEARCH-PATTERN in SEARCH-LIST while (NOT HAD-A-MISMATCH)
do [COND
((OR (STRING-EQUAL SEARCH-PATTERN "")
(EQ SEARCH-PATTERN '*))
NIL)
(EQ SEARCH-PATTERN '?')


```

```

[SETQ HAD-A-MISMATCH (OR HAD-A-MISMATCH
                          (GREATERP (+ SEARCH-INCREMENT
                                        SEARCH-POS)
                                    (NCHARS SEARCH-TITLE])
                          (SETQ SEARCH-POS (+ SEARCH-POS 1)))
(T (SETQ BASE-POS (STRPOS SEARCH-PATTERN SEARCH-TITLE
                          SEARCH-POS))
  (SETQ HAD-A-MISMATCH (OR (AND (EQ LAST-PATTERN
                                   '?')
                               (NEQ BASE-POS SEARCH-POS
                                   ))
                          (AND (NEQ LAST-PATTERN
                                   '?')
                               (NULL BASE-POS))
                          HAD-A-MISMATCH))
  (SETQ SEARCH-POS (+ (NCHARS SEARCH-PATTERN)
                     (OR BASE-POS 0]
  (SETQ LAST-PATTERN SEARCH-PATTERN))
(AND (NOT HAD-A-MISMATCH)
      (OR (GREATERP SEARCH-POS (NCHARS SEARCH-TITLE))
          (EQ LAST-PATTERN '*])

```

)

(RPAQQ **NC.SearchCardIcon** )

(DECLARE%: DONTEVAL@LOAD

(**NC.AddSearchCard**)  
)

(PUTPROPS **NCSEARCHCARD FILETYPE** :FAKE-COMPILE-FILE)

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

(PUTPROPS **NCSEARCHCARD COPYRIGHT** ("Venue & Xerox Corporation" 1986 1987 1988 1989 1990 1993 1994 2020))

**FUNCTION INDEX**

NC.AddSearchCard .....2    NC.MakeSearchCard .....1    NC.TitleSearch .....2    NCAddStub.SearchCard ....1

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**PROPERTY INDEX**

NCSEARCHCARD .....3

---

**VARIABLE INDEX**

NC.SearchCardIcon .....3

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