

File created: 5-Dec-87 20:06:16 {QV}<NOTECARDS>1.3L>LIBRARY>NCINSPECTORCARD.;1

changes to: (VARS NCINSPECTORCARDCOMS)
(FNS NCInsp.AddInspectorCard)

previous date: 9-Dec-86 00:27:26 {QV}<NOTECARDS>1.3K>LIBRARY>NCINSPECTORCARD.;9

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

::
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(RPAQQ **NCINSPECTORCARDCOMS**
[(DECLARE%: DONTCOPY (PROP MAKEFILE-ENVIRONMENT NCINSPECTORCARD))

::: This card type acts like the session parameters editor allowing you to edit a proplist inside a card. The card's substance contains the proplist mapping
::: properties to values along with other useful info like functions to fetch and store used by the inspector.

```
(FNS NCInsp.FetchFn NCInsp.SelectionFn NCInsp.TogglerFetchFn)
(FNS NCInsp.InspectorMakeFn NCInsp.InspectorEditFn NCInsp.ParamNamesFromPropList NCInsp.InstallParams)
(FNS NCInsp.AddInspectorCard)
(RECORDS INSPECTORPARAMETER)
(DECLARE%: DONTVAL@LOAD (P (NCInsp.AddInspectorCard])
```

(DECLARE%: DONTCOPY

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

::: This card type acts like the session parameters editor allowing you to edit a proplist inside a card. The card's substance contains the proplist mapping
::: properties to values along with other useful info like functions to fetch and store used by the inspector.

(DEFINEQ

(**NCInsp.FetchFn**

[LAMBDA (InspectorCard Parameter) (* rht%: "21-Nov-86 00:23")

(* Fetches the value of Parameter from InspectorCard's substance.)

```
(LET ((ParameterInfo (LISTGET (NCP.CardSubstance InspectorCard)
                               Parameter))
      Value FetchFn)
  (SETQ Value (fetch (INSPECTORPARAMETER PARAMVALUE) of ParameterInfo))
  (SETQ FetchFn (fetch (INSPECTORPARAMETER PARAMFETCHFN) of ParameterInfo))
  (if FetchFn
      then (APPLY* FetchFn Parameter Value InspectorCard)
      else Value])
```

(**NCInsp.SelectionFn**

[LAMBDA (Parameter ValueFlg Window) (* rht%: "21-Nov-86 01:09")

(* Actions to be taken when the user selects an item in the Inspector.
Get for a new value.)

```
(LET ((Card (NCP.CardFromWindow Window))
      ParameterInfo Answer SelectionFn Value)
  (SETQ ParameterInfo (LISTGET (NCP.CardSubstance Card)
                               Parameter))
  (SETQ Value (fetch (INSPECTORPARAMETER PARAMVALUE) of ParameterInfo))
  (SETQ SelectionFn (fetch (INSPECTORPARAMETER PARAMSELECTIONFN) of ParameterInfo))
  (if [AND SelectionFn (NEQ 'NOTCHANGED (SETQ Answer (APPLY* SelectionFn Parameter Value Card)]
      then (replace (INSPECTORPARAMETER PARAMVALUE) of ParameterInfo with Answer)
          (NCP.MarkCardDirty Card)
          (INSPECTW.REDISPLAY Window Parameter))
      (INSPECTW.SELECTITEM Window])
```

(**NCInsp.TogglerFetchFn**

[LAMBDA (Parameter Value) (* rht%: "20-Nov-86 23:19")

(* Return Yes if non-nil, No if nil.)

```
(if Value
    then 'Yes
    else 'No])
```

(DEFINEQ

(NCInsp.InspectorMakeFn

[LAMBDA (Card Title NoDisplayFlg InspectorParamsPropList) (* rht%: "8-Dec-86 18:01")

(* This is the Make fn for Inspector cards. Currently the parameters, values, fns, etc. must be provided in InspectorParamsPropList. One day we'll have an interface with which to get them from the user. Create an interlisp inspector in a notecard.)

```
(NCP.CardSubstance Card InspectorParamsPropList)
(if NoDisplayFlg
  then Card
  else (LET ((ParamNames (NCInsp.ParamNamesFromPropList InspectorParamsPropList))
            Window Type)
        (SETQ Window (INSPECTW.CREATE Card ParamNames (FUNCTION NCInsp.FetchFn)
            NIL NIL NIL NIL (OR Title "Untitled")
            (FUNCTION NCInsp.SelectionFn)
            NIL NIL))
        (SETQ Type (NC.RetrieveType Card))
        (NCP.SetUpTitleBar Window Type)
        (WINDOWADDPROP Window 'SHRINKFN (FUNCTION NC.TextCardShrinkFn))
        Window])
```

(NCInsp.InspectorEditFn

[LAMBDA (Card Substance RegionOrPosition) (* rht%: "23-Nov-86 13:00")

(* This is the EditFn for the Inspector card type. Just brings up an inspector in a card window on the props stored in the card's substance.)

```
(LET ((Window (NC.FetchWindow Card))
      Region Title Type)
  (if (WINDOWP Window)
    then (TOTOPW Window)
        (if RegionOrPosition
          then (SHAPEW Window (NC.DetermineDisplayRegion Card RegionOrPosition))
          (RPTQ 2 (FLASHW Window))
          Window)
    else (SETQ Window (INSPECTW.CREATE Card (NCInsp.ParamNamesFromPropList Substance)
            (FUNCTION NCInsp.FetchFn)
            NIL NIL NIL NIL (NC.RetrieveTitle Card)
            (FUNCTION NCInsp.SelectionFn)
            (if (REGIONP RegionOrPosition)
              then (NC.DetermineDisplayRegion Card RegionOrPosition)
              else RegionOrPosition)
            NIL))
        (SETQ Type (NC.RetrieveType Card))
        (NC.InstallTitleBarLeftMenu Window Type)
        (NC.InstallTitleBarMiddleMenu Window Type)
        (NC.InstallTitleBarButtonEventFn Window (FUNCTION NC.TitleBarButtonEventFn))
        (WINDOWADDPROP Window 'SHRINKFN (FUNCTION NC.TextCardShrinkFn)))
    Window])
```

(NCInsp.ParamNamesFromPropList

[LAMBDA (ParamsPropList) (* rht%: "20-Nov-86 22:37")

(* Get the list of Param names from a params proplist.)

```
(for PropPair on ParamsPropList by (CDDR PropPair) collect (CAR PropPair])
```

(NCInsp.InstallParams

[LAMBDA (Card) (* rht%: "21-Nov-86 17:28")

(* Take the parameter values from Card's substance and install them on the notefile.)

```
(for ParameterPropPair on (NCP.CardSubstance Card) by (CDDR ParameterPropPair)
  do (APPLY* (fetch (INSPECTORPARAMETER PARAMINSTALLFN) of (CADR ParameterPropPair))
            (CAR ParameterPropPair)
            (fetch (INSPECTORPARAMETER PARAMVALUE) of (CADR ParameterPropPair))
            Card])
```

)

(DEFINEQ

(NCInsp.AddInspectorCard

[LAMBDA NIL ; Edited 5-Dec-87 20:02 by rht:

(* Create the Inspector card type.)

```
(NCP.CreateCardType 'Inspector 'List `[(MakeFn ,(FUNCTION NCInsp.InspectorMakeFn))
  (EditFn ,(FUNCTION NCInsp.InspectorEditFn))
  '((DisplayedInMenuFlg NIL])
```

)

```
{MEDLEY}<notecards>library>ncinspectorcard.;1
```

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```
(DECLARE%: EVAL@COMPILE
```

```
(RECORD INSPECTORPARAMETER (PARAMVALUE PARAMFETCHFN PARAMSELECTIONFN PARAMINSTALLFN))  
)
```

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

```
(NCInsp.AddInspectorCard)  
)
```

```
(PUTPROPS NCINSPECTORCARD COPYRIGHT ("Xerox Corporation" 1986 1987))
```

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