

File created: 29-Nov-88 15:06:14 {PHYLUM}<BURWELL>LISP>ARMODES.;10

changes to: (RECORDS AR.ENVIRONMENT)
(VARS ARMODESCOMS)
(FNS AR.MODE AR.ADD.TO.BACKGROUND.MENU AR.MODE.SUBITEMS)

previous date: 29-Nov-88 14:40:17 {PHYLUM}<BURWELL>LISP>ARMODES.;9

Read Table: XCL

Package: INTERLISP

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(RPAQQ **ARMODESCOMS**

;; provide a mechanism for change the database which the AR system uses

;; the interface to switch modes

(FNS AR.MODE)
(GLOBALVARS AR.MODE)

;; things for the background menu interface to mode changes

(FNS AR.ADD.TO.BACKGROUND.MENU AR.MODE.SUBITEMS)
(FILES DEFAULTSUBITEMFN)
(VARS (AR.MODE.SUBITEMS)
(\AR.ENVIRONMENTS))
(GLOBALVARS AR.MODE.SUBITEMS \AR.ENVIRONMENTS)

;; the ar environment -- everything you need to switch modes

(RECORDS AR.ENVIRONMENT)
(GLOBALVARS AR.ENVIRONMENTS)

;; installation

(P (AR.ADD.TO.BACKGROUND.MENU)

;; if there's nothing set up already assume it's the Lisp mode and construct the environment

```
(|if| (NOT (BOUNDP 'AR.ENVIRONMENTS))
|then|
(LET ((ORIGINALENVIRONMENT (|create| AR.ENVIRONMENT))
(|for| FIELD |in| (RECORDFIELDNAMES 'AR.ENVIRONMENT)
|do|
(RECORDACCESS FIELD ORIGINALENVIRONMENT (RECLOCK 'AR.ENVIRONMENT)
'REPLACE
(EVAL FIELD)))
(SETQ AR.ENVIRONMENTS (LIST 'LISP ORIGINALENVIRONMENT)))
(AR.MODE 'LISP))))
```

;; provide a mechanism for change the database which the AR system uses

;; the interface to switch modes

(DEFINEQ

(AR.MODE

(LAMBDA (MODE)

; Edited 5-Aug-88 18:22 by Burwell

(|if| (NULL MODE)

|then| (PROMPTPRINT "AR mode is " AR.MODE)

AR.MODE

|else| (LET ((ENVIRONMENT.FOR.MODE (LISTGET AR.ENVIRONMENTS MODE)))

(|if| ENVIRONMENT.FOR.MODE

|then| (|if| (OR (FIND.PROCESS 'AR.QUERY.FORM.TEMP)

(FIND.PROCESS 'AR.FORM.TEMP)

(FIND.PROCESS 'AR.FORM.MENU)

(FIND.PROCESS 'AR.FORM)

(FIND.PROCESS 'AR.QUERY.FORM))

|then| (PROMPTPRINT "Please close open AR windows before changing modes.")

|else| (SETQ AR.MODE MODE)

(|for| VAR |in| (RECORDFIELDNAMES 'AR.ENVIRONMENT)

|do| (SET VAR (RECORDACCESS VAR ENVIRONMENT.FOR.MODE (RECLOCK

'AR.ENVIRONMENT))

))

(PROMPTPRINT "AR mode set to " MODE))

|else| (PROMPTPRINT "AR mode " MODE " not recognized."))))))

)

(DECLARE\ :DOEVAL@COMPILE DONTCOPY

(GLOBALVARS AR.MODE)

)

;; things for the background menu interface to mode changes

(DEFINEQ

(AR.ADD.TO.BACKGROUND.MENU

; Edited 2-Aug-88 15:58 by Burwell

```
(LAMBDA NIL
  (|if| (NOT (|for| E |in| |BackgroundMenuCommands| |thereis| (EQUAL "AR Mode" (AND (LISTP E)
                                                                    (CAR E))))))
  |then| (|push| |BackgroundMenuCommands| `("AR Mode" ' (AR.MODE)
                                           "Displays current AR mode."
                                           (EVAL (AR.MODE.SUBITEMS))))
  (SETQ |BackgroundMenu| NIL)))
```

(AR.MODE.SUBITEMS

; Edited 2-Aug-88 15:56 by Burwell

```
(LAMBDA NIL
  (|if| (EQUAL AR.ENVIRONMENTS \\AR.ENVIRONMENTS)
    |then| AR.MODE.SUBITEMS
    |else| (LET ((MODES (|for| MODE |in| AR.ENVIRONMENTS |by| (CDDR MODE) |collect| MODE)))
      (SETQ AR.MODE.SUBITEMS (|for| MODE |in| MODES
                                |collect| `(,MODE ' (AR.MODE ' ,MODE)
                                             , (CONCAT "Set AR mode to " MODE))))
      (SETQ \\AR.ENVIRONMENTS (COPY AR.ENVIRONMENTS)
            AR.MODE.SUBITEMS))))
)
```

(FILESLOAD DEFAULTSUBITEMFN)

(RPAQQ AR.MODE.SUBITEMS NIL)

(RPAQQ \\AR.ENVIRONMENTS NIL)

(DECLARE\ : DOEVAL@COMPILE DONTCOPY

(GLOBALVARS AR.MODE.SUBITEMS \\AR.ENVIRONMENTS)
)

:: the ar environment -- everything you need to switch modes

(DECLARE\ : EVAL@COMPILE

```
(RECORD AR.ENVIRONMENT (AR.NO.MESSAGE.FLG AR.INDEX.DEFAULT.FILE.NAME AR.INFO.FILE.NAME AR.DIRECTORY
  AR.FORM.FORMAT AR.FORM.SPECS AR.SUBMIT.NUM.FILE.NAME AR.DISPLAY.FIELDS
  AR.SUMMARY.FIELDS AR.CLEANUP.SORT.ORDER AR.SORT.SPEC.ITEMS AR.QUERY.SPEC.ITEMS
  AR.INDEX.CACHE.FILE.NAME AR.IDENTIFICATION.STRING AR.INTERESTING.SUBMIT.FIELDS))
)
```

(DECLARE\ : DOEVAL@COMPILE DONTCOPY

(GLOBALVARS AR.ENVIRONMENTS)
)

:: installation

(AR.ADD.TO.BACKGROUND.MENU)

:: if there's nothing set up already assume it's the Lisp mode and construct the environment

```
(|if| (NOT (BOUNDP 'AR.ENVIRONMENTS))
  |then| (LET ((ORIGIALENVIRONMENT (|create| AR.ENVIRONMENT))
              (|for| FIELD |in| (RECORDFIELDNAMES 'AR.ENVIRONMENT) |do| (RECORDACCESS FIELD ORIGIALENVIRONMENT
                                                                                   (RELOOK 'AR.ENVIRONMENT)
                                                                                   'REPLACE
                                                                                   (EVAL FIELD))))
    (SETQ AR.ENVIRONMENTS (LIST 'LISP ORIGIALENVIRONMENT))
    (AR.MODE 'LISP))
```

(PUTPROPS ARMODES COPYRIGHT ("Xerox Corporation" 1988))

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