

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 (RECLOOK '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 (RECLOOK
'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

```

(LAMBDA NIL ; Edited 2-Aug-88 15:58 by Burwell
  (|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

```

(LAMBDA NIL ; Edited 2-Aug-88 15:56 by Burwell
  (|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 ((ORIGINALENVIRONMENT (|create| AR.ENVIRONMENT))
    (|for| FIELD |in| (RECORDFIELDNAMES 'AR.ENVIRONMENT) |do| (RECORDACCESS FIELD ORIGINALENVIRONMENT
      (RECLOOK 'AR.ENVIRONMENT)
      'REPLACE
      (EVAL FIELD)))
    (SETQ AR.ENVIRONMENTS (LIST 'LISP ORIGINALENVIRONMENT)))
    (AR.MODE 'LISP))

```

```

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

```

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VARIABLE INDEX

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AR.ENVIRONMENT2
