File created:	16-Apr-2018 22:46:19 **{DSK}<Users>kaplan>Local>medley3.5>lispcore>sources>CMLMODULES.;2**
changes to:	(IL:FUNCTIONS REQUIRE)
previous date:	12-Jun-90 16:56:18 {DSK}<Users>kaplan>Local>medley3.5>lispcore>sources>CMLMODULES.;1
Read Table:	XCL
Package:	LISP
Format:	XCCS

```
(IL:RPAQQ IL:CMLMODULESCOMS ((IL:VARIABLES *MODULES*)
                             (IL:FUNCTIONS PROVIDE REQUIRE)
                             (IL:PROP IL:FILETYPE IL:CMLMODULES)
                             (IL:PROP IL:MAKEFILE-ENVIRONMENT IL:CMLMODULES)))


(DEFVAR *MODULES* NIL
   "A list of all modules currently provided to the system.")


(DEFUN PROVIDE (MODULE-NAME)
   "Declare that module-name is provided to the system."
   (DECLARE (SPECIAL *MODULES*))
   (IF (SYMBOLP MODULE-NAME)
       (SETQ MODULE-NAME (SYMBOL-NAME MODULE-NAME)))
   (PUSHNEW MODULE-NAME *MODULES* :TEST #'STRING=)
   MODULE-NAME)


(DEFUN REQUIRE (MODULE-NAME &OPTIONAL (PATHNAME NIL))

   ;; Rewritten by Ron Kaplan, April 2018.  Commonlisp search logic was complicated and broken

   ;; Declare that module-name is needed.  If already loaded do nothing.  If not, load using the pathname, which is a single pathname or list of
   ;; pathnames.  If pathname is not provided use the system default paths ( and directories).

   (DECLARE (SPECIAL *MODULES* *DEFAULT-PATHNAME-DEFAULTS* IL:DIRECTORIES IL:*COMPILED-EXTENSIONS*))
   (UNLESS (MEMBER MODULE-NAME *MODULES* :TEST #'STRING=)
       (LET (FOUND (SEARCHPATHS (CONS (NAMESTRING *DEFAULT-PATHNAME-DEFAULTS*)
                                      IL:DIRECTORIES)))                  ; default is connected directory
                                                                        ; maybe final try should be home?
            (DOLIST (PATHNAME (ETYPECASE PATHNAME
                                (NULL (LIST MODULE-NAME))
                                ((OR SYMBOL STRING PATHNAME) (LIST PATHNAME))
                                (LIST PATHNAME))
                      T)
               (SETQ PATHNAME (NAMESTRING PATHNAME))
               (OR                                      ; first look for a compiled file, then source
                   (SETQ FOUND (IL:FINDFILE-WITH-EXTENSIONS PATHNAME SEARCHPATHS IL:*COMPILED-EXTENSIONS*))
                   (SETQ FOUND (IL:FINDFILE PATHNAME SEARCHPATHS))
                   (CERROR "Don't load file ~S~*." "Can't find file ~S for required module ~S." PATHNAME
                           MODULE-NAME))
               ;; LOAD? loads only if not already loaded or FOUND is newer

               (IL:LOAD? FOUND)))))

(IL:PUTPROPS IL:CMLMODULES IL:FILETYPE :COMPILE-FILE)

(IL:PUTPROPS IL:CMLMODULES IL:MAKEFILE-ENVIRONMENT (:READTABLE "XCL" :PACKAGE "CL"))

(IL:PUTPROPS IL:CMLMODULES IL:COPYRIGHT ("Venue & Xerox Corporation" 1986 1987 1988 1990 2018))
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FUNCTION INDEX

PROPERTY INDEX

VARIABLE INDEX