

FileSystem

COLLABORATORS

	TITLE : FileSystem		
ACTION	NAME	DATE	SIGNATURE
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

FileSystem

1.1 FileSystem

Prozeduren

Close	Delete	GetPos
Length	Lookup	ReadByteBlock
ReadBytes	ReadChar	SetPos
WriteByteBlock	WriteBytes	WriteChar

Typ-Deklarationen

CHARPtr	File	FileMode
FileModeSet	Response	

1.2 TMP:Modula-2/FileSystem.def

```
DEFINITION MODULE FileSystem;
(*$ LargeVars:=FALSE NameChk:=FALSE *)
(* 2.0 / 29.5.87 / ms *)

FROM SYSTEM IMPORT
  ADDRESS, BYTE;
FROM DosD IMPORT
  FileHandlePtr ;

TYPE
  CHARPtr =POINTER TO CHAR;
  Response =(
    done,notdone,lockErr,openErr,readErr,writeErr,
    seekErr,memErr,inUse,notFound,diskWriteProtected,
    deviceNotMounted,diskFull,deleteProtected,
    writeProtected,notDosDisk,noDisk);
  FileMode =(read,write,noBuffer);
  FileModeSet =SET OF  FileMode ;
  File =RECORD
    bufa,ela,ina,topa:  CHARPtr ;
```

```
    bufPos, filePos: LONGINT;
    file: FileHandlePtr ;
    mode: FileModeSet ;
    eof: BOOLEAN;
    res: Response ;
END;

PROCEDURE Lookup(VAR f: File ; name: ARRAY OF CHAR;
                 bufferSize: CARDINAL; new: BOOLEAN);
PROCEDURE Close (VAR f: File );
PROCEDURE Delete(VAR f: File );
PROCEDURE SetPos(VAR f: File ; pos: LONGINT);
PROCEDURE GetPos(VAR f: File ; VAR pos: LONGINT);
PROCEDURE Length(VAR f: File ; VAR pos: LONGINT);
PROCEDURE ReadChar(VAR f: File ; VAR ch: CHAR);
PROCEDURE WriteChar(VAR f: File ; ch: CHAR);
PROCEDURE ReadByteBlock(VAR f: File ;
                       VAR block: ARRAY OF BYTE);
PROCEDURE WriteByteBlock(VAR f: File ;
                        VAR block: ARRAY OF BYTE);
PROCEDURE ReadBytes(VAR f: File ; adr: ADDRESS;
                   len: LONGINT; VAR actual: LONGINT);
PROCEDURE WriteBytes(VAR f: File ; adr: ADDRESS;
                    len: LONGINT; VAR actual: LONGINT);

END FileSystem.
```
