UML - File system
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FileSystemMember

- name : string
- long: size
- date : Date
- parent : String

+FileSystemMember(name : string, size: long)
+getters and setters

FileSystem

- root : Directory
- membersHashMap:
  HashMap<String, FileSystemMember>

+FileSystem()
+addFile(parent:String, name:String, size:int)
+addDir(parent: String, name: String)
+delete(name:string)
+deleteDir(dir : Directory)
+deleteFile(file: File)
+showFileSystem()
+printSystem(dir : Directory, i:int)
+createFile(name:String, int:Size)
+createDir(name:String, parent: String)

extends by

extends by

Directory

- name: String
- date: Date
- subDirs: HashSet<Directory>
- filesInDir : HashSet<File>
- parent: String

+Directory(name :String , parent: String)
+addFile(file : File)
+ addSubDir(dir: Directory)
+represent(depth :int)
+getters and setters

File

- name : string
- long: size
- date : Date

+File(name : String, size: long)
+represent(depth : int)
+getters and setters

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