FileNode

- nom: String
- type: FileType
- parent: FileNode
actual_file: File
- children: Map<String, FileNode>
- image_filetypes: String[]

+ FileNode(nom: String, parent: FileNode, type: FileType, actual_file: File)
+ findChild (name: String): FileNode
+ getNom(): String
+ setName(nom: String): void
+ getChildren(): Collection<FileNode>
+ getParent(): FileNode
+ setParent(p: FileNode): void
+ addChild(name: String, childNode: FileNode): void
+ isDirectory(): Boolean
+ buildTree(file: File): void
+ findFileExtension(file: File): String
+ buildTreeWithImage(): ArrayList<PhotoNode>
+ openInFinder(): String
+ findImagesWithTag (tagWeAreLookingFor: String): ArrayList<PhotoNode>
+ main (args: String[])

PhotoNode

- tags: ArrayList<String>
+ allTags: ArrayList<String>

+ PhotoNode(name: String, parent: FileNode, file: File)
+ isValidTag(newTag: String): Boolean
+ addTagToPhoto(newTag: String): void
+deleteTagFromPhoto(toDelete: String): void
+ stripOfTags(name: String): String
+ confirmRename(): String
+ confirmRename(renameTo): void
+ untilNextWhitespace(s: String, i: int): String
+ setTags(): void
+getTags(): ArrayList<String>
+ initializeTags(): void
+ createNewTag(toName: String): boolean
+ deleteTag(tagName: String): boolean
+ photosWithTag(al: ArrayList<PhotoNode>, tagName: String): ArrayList<String>
+ mostCommonTag(al: ArrayList<PhotoNode>): String
+ mostTags(al: ArrayList<PhotoNode>): PhotoNode
+ toString(): String
+ main (args: String[])

<<instantiate>>

<<enum>>
FileType

+ FileType

<<Interface>>
Serializable

LogEntry

- serialVersionUID: long
- currName: String
- entries: ArrayList<String[]>

+ LogEntry(currName: String)
+ newName(newName: String): void
+ getRevertedName(index: int): String
+ toString(): String
+ getCurrName(): String
+ setCurrName(newName: String): void
+ main (args: String[])

PhotoRenamerShell

- file: File
+ log: ArrayList<LogEntry>

+PhotoRenamerShell(file: File)
+ getFile(): File
+ readySet(): ArrayList<PhotoNode>
+ readySet(f: File):
ArrayList<PhotoNode>
+ run(): void
+ buildLog(photos:
ArrayList<PhotoNode>): void
+ deserializeLog(): void
+ serializeLog(): void
+ displayLog(currName: String): void
+ getLog(currName: String): LogEntry
+ main (args: String[])

<<instantiate>>

Tag

- tags: ArrayList<String>

+ newTag(newTag: String): void
+ deleteTag(toDelete: String): void
+ main(args: String[]): void

<<java.lang>>
Exception

UnexpectedFileTypeException

+UnexpectedFileTypeException(message
: String)