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

<<instantiate>>

Tag

- tags: ArrayList<String>

+ newTag(newTag: String): void

+ deleteTag(toDelete: String): void

+ main(args: String[]): void

<<java.lang>>

Exception

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[])

UnexpectedFileTypeException

+UnexpectedFileTypeException(message: String)

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[])

<<Interface>>

Serializable