



## PhotoRenamerShell

```
- file: File
+ log: ArrayList<LogEntry>

+ PhotoRenamerShell(file: File)
+ getFile(): File
+ readySet(): ArrayList<PhotoNode> {exceptions =
    UnexpectedFileTypeException, IOException}
+ readySet(f: File): ArrayList<PhotoNode> {exceptions
    = UnexpectedFileTypeException, IOException}
+ run(): void {exceptions = IOException,
    UnexpectedFileTypeException, URISyntaxException}
+ buildLog(photos: ArrayList<PhotoNode>): void
+ deserializeLog(): void
+ serializeLog(): void
+ displayLog(currName: String): void
+ getLog(currName :String): LogEntry
```



## LogEntry

```
- serialVersionUID: long = 1
- currName: String
- entries: ArrayList<String[]>

+ LogEntry (currName: String)
+ newName(newName: String): void
+ getRevertedName(index: int): String
+ toString(): String
# getCurrName(): String
# setCurrName(newName: String): void
```



<<interface>>  
**Serializable**

## PhotoRenamer

```
- photos: ArrayList<PhotoNode>
- instance PhotoRenamer():
- currentPhoto: PhotoNode
- currentIndex: int
- directory: File
- masterlist: JList<String>
- currentTags: JList<String>
- photoTags: DefaultListModel<String>
- jMasterList: DefaultListModel<String>
- dWindow: JFrame
- iFrame: JFrame
- panelEast: JPanel
- panelCenter: JPanel
- panelWest: JPanel
# imageInformation: JPanel
# noTagName: JLabel
# yesTagName: JLabel
# actualImage: JPanel
# imageLabel: JLabel
# imIcon: ImageIcon
# currentTagsScrollPane: JScrollPane

- PhotoRenamer()
- PhotoRenamer(file: File) {exceptions =
    UnexpectedFileTypeException, IOException}
+ getInstanceOf(): PhotoRenamer
+ buildDWindow(): JFrame
+ buildImageTagger(): void {exceptions =
    UnexpectedFileTypeException, IOException}
+ buildPanelEast(): void
+ updateIcon(): void
+ buildImagePanel(): void
- buildImageInfoPanel(): void
+ buildPhotoTagsPanel(): void
+ buildTagFunctionsPanel(): JPanel
+ PhotoNode getCurrentPhoto(): PhotoNode
+ setCurrentPhoto(currentPhoto: PhotoNode): void
+ getDirectory(): File
+ setDirectory(directory: File): void
+ nextPhoto(): void
+ previousPhoto(): void
# setCurrentTags(currentTags: JList<String>): void
# getPhotoTags():DefaultListModel<String>
# setPhotoTags(photoTags: DefaultListModel<String>): void
# getjMasterList():DefaultListModel<String>
# setjMasterList(jMasterList: DefaultListModel<String>): void
# getdWindow(): JFrame
# setdWindow(dWindow: JFrame): void
# getiFrame(): JFrame
# setiFrame(iFrame: JFrame): void
# getPanelEast():JPanel
# setPanelEast(panelEast: JPanel): void
# getPanelCenter(): JPanel
# setPanelCenter(panelCenter: JPanel): void
# getPanelWest():JPanel
# setPanelWest(panelWest: JPanel): void
```