UML for Gateway
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«interface»
FileListener

update(fileType: String): void

ReadFileListener

- filePaths: ArrayList<String>
- um: UserManager
- tm: TemplateManager
- sm: ScheduleManager
- ls: LoginSystem
- mm: MessageManager

+ ReadFileListener(tm: TemplateManager, sm: ScheduleManager, mm: MessasgeManager, ls: LoginSystem)
- addFilePath(): void
- readWelMsg(): void
- readSerFile(): void
+ update(actionType: String): void

SaveFileListener

- filePaths: ArrayList<String>
- um: UserManager
- tm: TemplateManager
- sm: ScheduleManager
- ls: LoginSystem
- mm: MessageManager
- info: ArrayList<String>

+ SaveFileListener(tm: TemplateManager, sm: ScheduleManager, mm: MessasgeManager, ls: LoginSystem)
+ setInfo(ArrayList<String>): void
- addFilePath(): void
- saveWelMsg(): void
- saveTempPwd(): void
- saveSerFile(actionType: String): void
+ update(actionType: String): void

FileReadWriter

+ events: FilePublisher

+ FileReadWriter(operations: ArrayList<String>)
+ readFile(): void
+ saveFile(actionType: String): void

FilePublisher

- listeners: HashMap<String, ArrayList<FileListener>>

+ FilePublisher(operations: ArrayList<String>)
+ subscribe(eventType: String, listener: FileListener): void
+ unsubscribe(eventType: String, listener: FileListener): void
+ notify(actionType: String): void