Printer

- printerID: String
- brand: String
- model: String
- location: Location
- status: String

+ executePrint(req: PrintRequest): Void
+ reportStatus(): String

Student

- studentID: String
- name: String
- balance: float

+ login(): Boolean
+ uploadDocument(doc: Document): Boolean
+ printDocument(req: PrintRequest): String
+ buyPages(amount: Int): Void
+ viewLog(period: DateRange): Log

PrintingService

- serviceID: String
- defaultPages: Int

+ validateFileType(file: Document): Boolean
+ checkBalance(studentID: String): Boolean
+ logRequest(request: PrintRequest): Void
+ generateReport(period: DateRange): Report

HCMUT_SPSO

- officerID: String
- name: String

+managePrinters(action: String, printerID: String): Void
+ configureSettings(setting: String, value: Any): Void
+ viewReports(period: DateRange): Report
+ viewLogs(studentID: String, period: DateRange): Log