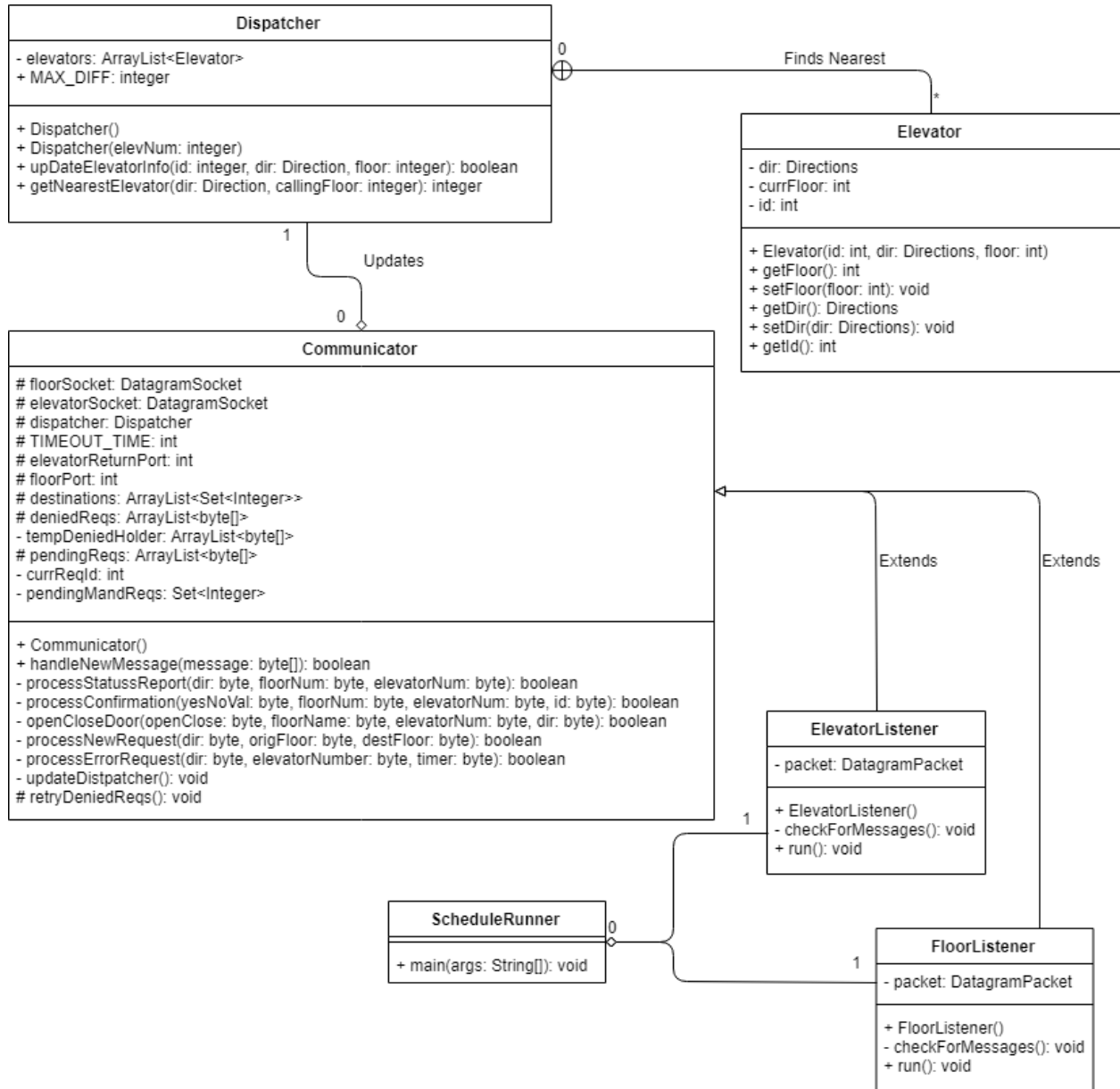
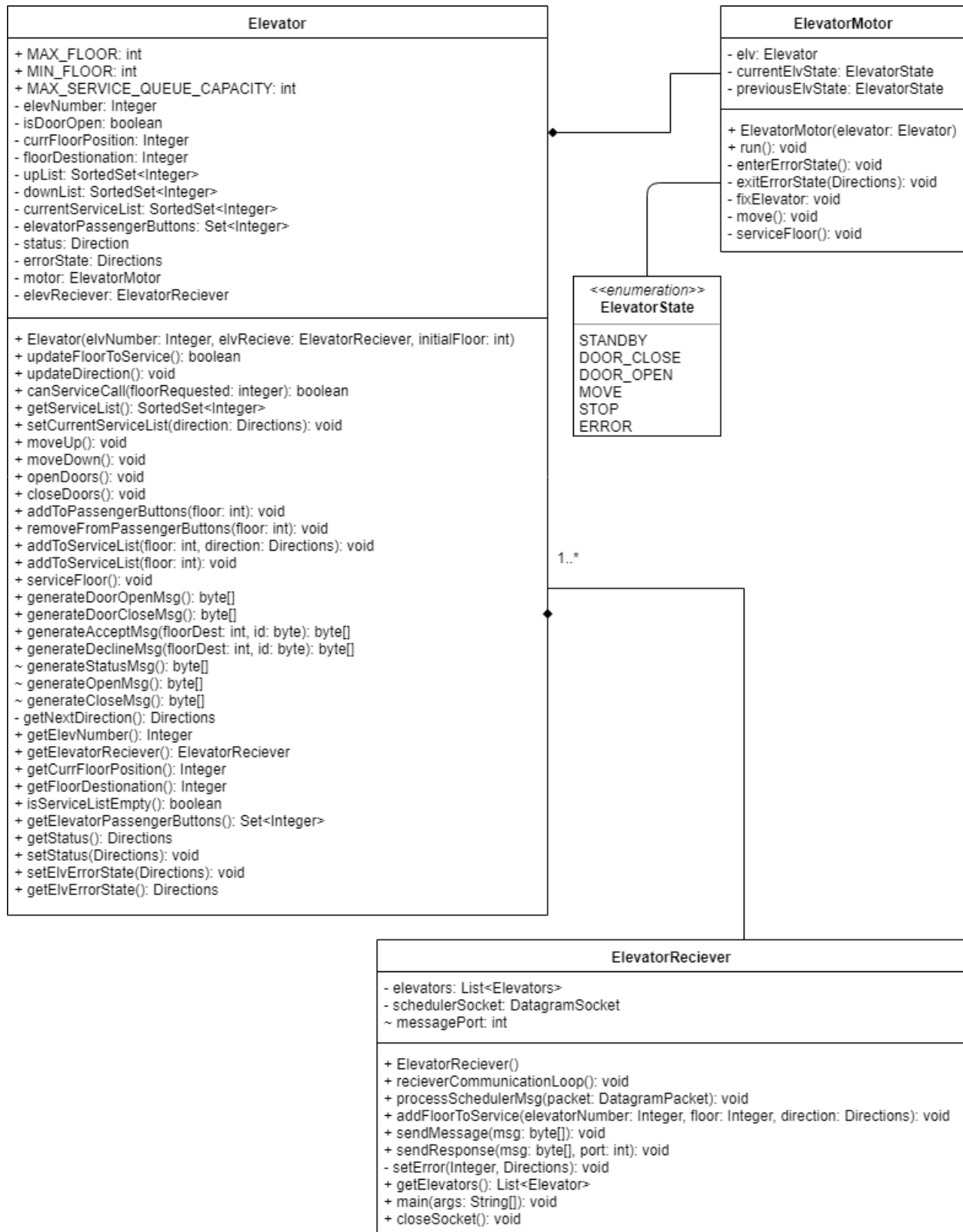


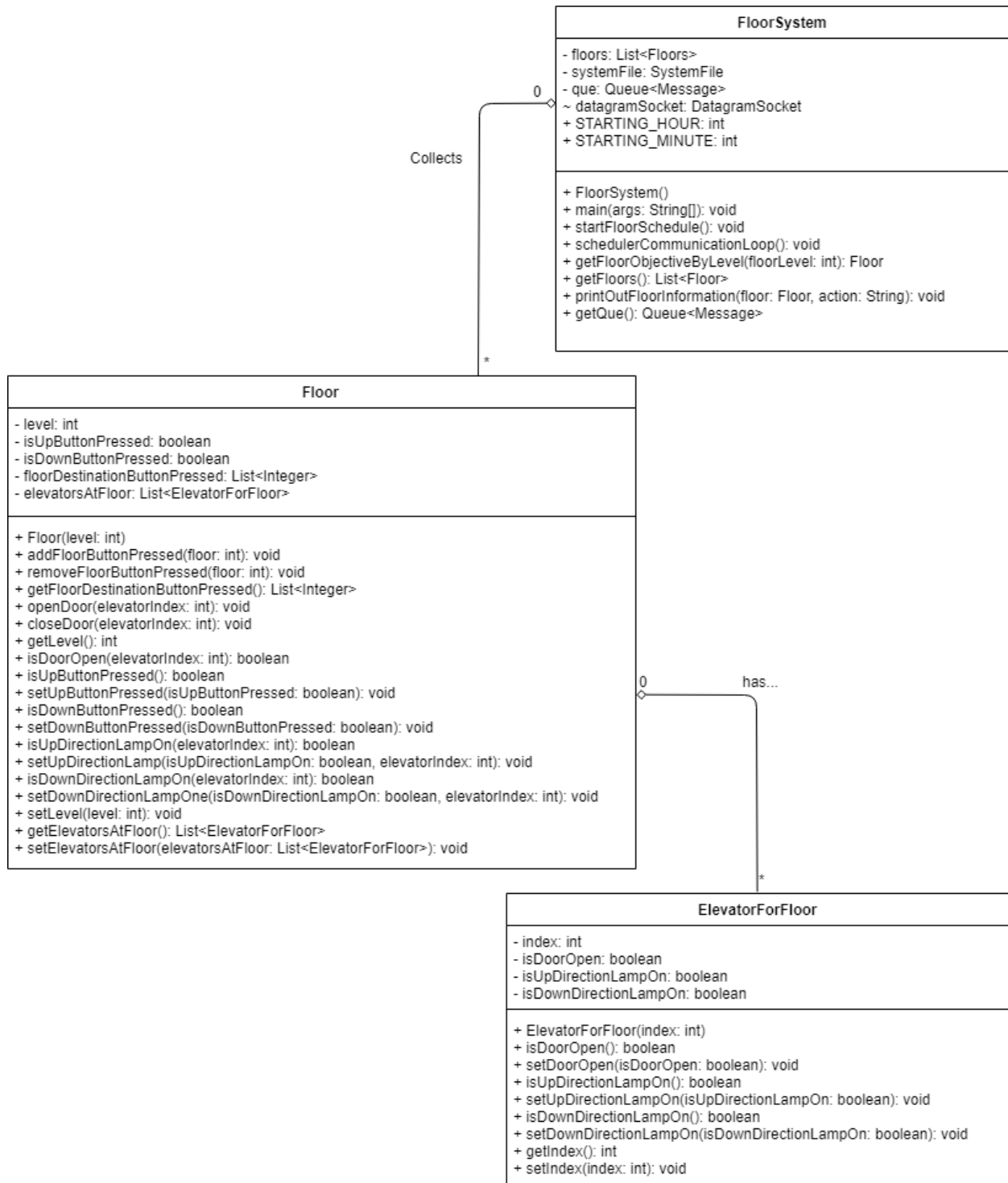
## Scheduler Subsystem



## Elevator Subsystem



## Floor Subsystem



## Resources

Constants
+ ELEVATOR_PORT: int + FLOOR_PORT: int + MESSAGE_LENGTH: int + NUMBER_OF_ELEVATORS: int + LOWEST_FLOOR: int + HIGHEST_FLOOR: int + NUMBER_OF_FLOORS: int + ELEVATOR_TRAVEL_SPEED_MS: int + ELEVATOR_STOP_TIME: int + SCHED_IP_ADDRESS: String + FLOOR_SYS_IP_ADDRESS: String + ELEVATOR_SYS_IP_ADDRESS: String + FORMATTER: SimpleDateFormat + ERROR: byte + NEW_REQUEST_FROM_FLOOR: byte + REQUEST_RECEIVED: byte + OPEN_CLOSE_DOOR: byte + NEW_ELEVATOR_DESTINATION: byte + ELEVATOR_INFO_REQUEST: byte + CONFIRM_VOL_DESTINATION: byte + STATUS_REPORT: byte + YES: byte + NO: byte + OPEN: byte + CLOSE: byte + MANDATORY: byte + VOLUNTARY: byte
- Constants()

<<enumeration>> Directions
UP DOWN STANDBY ERROR_DEFAULT ERROR_DOOR ERROR_MOVE
+ isOpposite(dir1: Directions, dir2: Directions): boolean + isError(Directions): boolean + getDirByInt(val: int): Directions + getIntByDir(dir: Directions): int

Message
- time: LocalTime - startingFloor: int - direction: Directions - destinationFloor: int - messageQueue: Queue<Message> - ELEMENTS_IN_MESSAGE: int
+ Message(time: LocalTime, startingFloor: int, direction: Direction, destinationFloor: int) + getTime(): LocalTime + getStartingFloor(): int + getDirection(): Directions + getDestinationFloor(): int + getMessageQueue(): Queue<Message> + toString(): String

SystemFile
+ FILEPATH: String + FILENAME1: String + FILENAME2: String + FILENAME3: String - filename: String
+ SystemFile(filename: String) - validateFloorRange(floor: int): boolean + readValidateAndCreatMessages(): void - validateLine(lineInfo: String): boolean - readFile(): ArrayList<String> + testReadFile(): ArrayList<String> + testValidateLine(lineInfo: String): boolean