







| Constants |
|---|
| + ELEVATOR_PORT: int + FLOOR_PORT: int + MESSAGE_LENGTH: int + NUMBER_OF_ELEVATORS: int + LOWEST_FLOOR: int + HIGHEST_FLOOR: int + NUMBER_OF_FLOORS: int + 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 + ELEVATOR_TRAVEL_SPEED_MS: byte |
| - Constants() |

| SystemFile |
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| + FILEPATH: String + FILENAME1: 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 |

| <<enumeration>> Directions |
|---|
| UP DOWN STANDBY |
| + isOpposite(dir1: Directions, dir2: 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 |