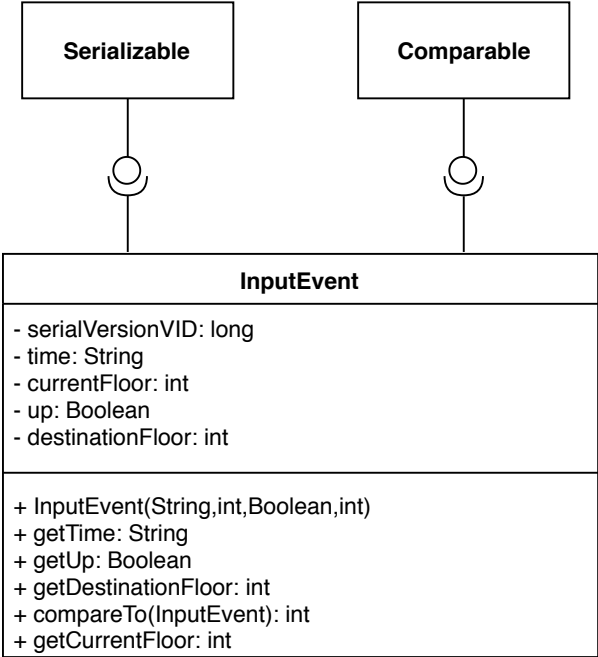


FloorSubsystem
<ul style="list-style-type: none"> - sendReceive: DatagramSocket - SEND_PORT: int - RECEIVE_PORT: int - INPUT_PATH: String - currentLine: int - eventList: ArrayList<InputEvent> - BYTE_SIZE: int + floorNum: int + upButton: boolean + downButton: boolean - doorOpen: boolean - doorClosed: boolean - upLamp: boolean - downLamp: boolean + elevatorPresent: boolean
<ul style="list-style-type: none"> + FloorSubsystem(int) + getCurrentFloor: int + isElevatorPresent: boolean + readInputEvent: void + eventListToByteArray: byte[] + sendEventList: void

Scheduler
<ul style="list-style-type: none"> - FLOOR_COUNT: int - ELEVATOR_COUNT: int - eventList: ArrayList<InputEvent> - upRequests: ArrayList<InputEvent> - downRequests: ArrayList<InputEvent> - elevatorTaskQueue: ArrayList<ArrayList<Integer>> - currentPositionList: ArrayList<Integer> - sendPacket: DatagramPacket - Direction: enum - directionList: ArrayList<Direction> - BYTE_SIZE: int - FLOOR_RECEIVE_PORT:int - ELEVATOR_RECEIVE_PORT: int - RECEIVE_PORT: int - sendSocket: DatagramSocket - floorReceiveSocket: DatagramSocket - elevatorReceiveSocket: DatagramSocket
<ul style="list-style-type: none"> + Scheduler() + receiveInputEventList: void + receiveFromElevator: void - byteArrayToList(byte[]): ArrayList(InputEvent) + processRequests: void + taskListToByteArray(int): byte[] + sendTask(int): void



ElevatorSubSystem

- elevatorNumber: int
- + elevatorLamp: ArrayList<Boolean>
- + buttonList: ArrayList<Boolean>
- Byte_Size: int
- nextFloorList: ArrayList<Integer>
- timeBtwFloors: int
- doorDelay: int
- doorOpen: Boolean
- currentFloor: int
- nextFloor: int
- goingUP: Boolean
- goingDown: Boolean
- GROUND_FLOOR: int
- sendPacket: DatagramPacket
- receivePacket: DatagramPacket
- sendSocket: DatagramSocket
- receiveSocket: DatagramSocket
- RECEIVE_PORT: int

- + ElevatorSubSystem(int,int)
- + elevatorState: void
- + runElevator: void
- + howManyFloor: int
- + runMotor: void
- + openDoor: void
- + closeDoor: void
- + buttonPushed(int): void
- + elevatorOpenDoorAtFloor(int): void
- + elevatorCloseDoorAtFloor(int): void
- + updateGoing_UporDOWN: void
- + updateNextFloor: void
- + receiveTaskList: void
- byteArrayToList(byte[]): ArrayList<Integer>
- + getSendPacket: DatagramPacket
- + getReceivePacket: DatagramPacket
- + setSendPacket(DatagramPacket): void
- + setReceivePacket(DatagramPacket): void
- + getSendSocket: DatagramSocket
- + getReceiveSocket: DatagramSocket
- + setSendSocket(DatagramSocket): void
- + setReceiveSocket(DatagramSocket): void
- + getButtonList: ArrayList<Boolean>
- + getElevatorLamp: ArrayList<Boolean>
- + setButtonList(ArrayList<Boolean>): void
- + setElevatorLamp(ArrayList<Boolean>): void
- + getTimerBtwFloors: int
- + getDoorOpen: Boolean
- + setDoorOpen(Boolean): void
- + getElevatorNumber: int
- + setElevatorNumber(int): void
- + getCurrentFloor: int
- + setCurrentFloor(int): void
- + getNextFloor: int
- + setNextFloor(int): int
- + isGoingUP: Boolean
- + setGoingUP(Boolean): void
- + isGoingDown: Boolean
- + setGoingDown(Boolean): void
- + toString: String