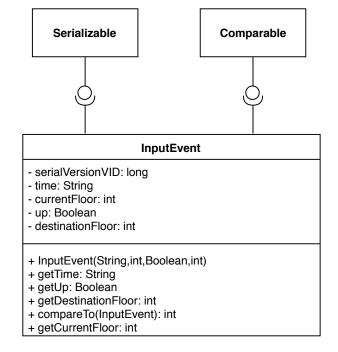
FloorSubsystem sendReceive: DatagramSocket - SEND PORT: int - RECEIVE_PORT: int - INPUT PATH: String - currentLine: int eventList: ArrayList<InputEvent> - BYTE SIZE: int + floorNum: int + upButton: boolean + downButton: boolean doorOpen: boolean doorClosed: boolean - upLamp: boolean - downLamp: boolean + elevatorPresent: boolean + FloorSubsystem(int) + getCurrentFloor: int

+ isElevatorPresent: boolean

+ eventListToByteArray: byte[]

+ readInputEvent: void

+ sendEventList: void



Scheduler

- 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
- + 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: ArravList<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