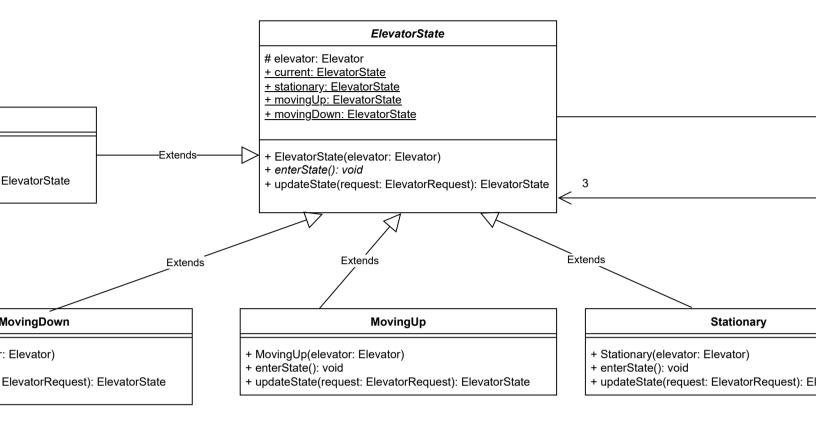
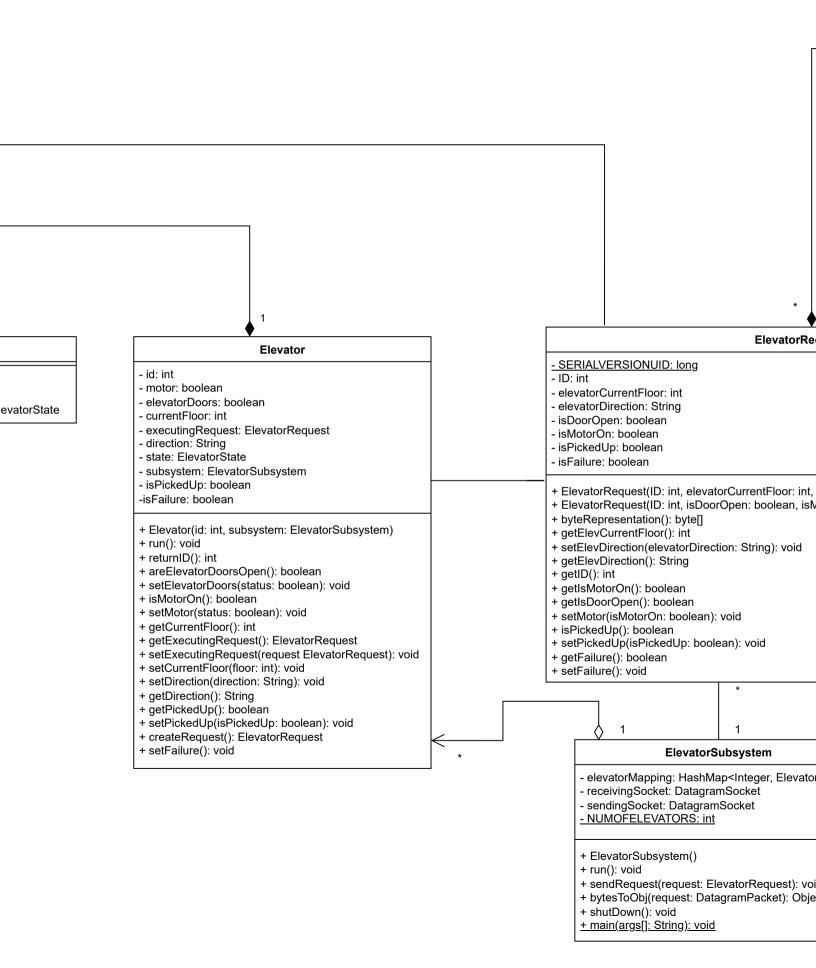
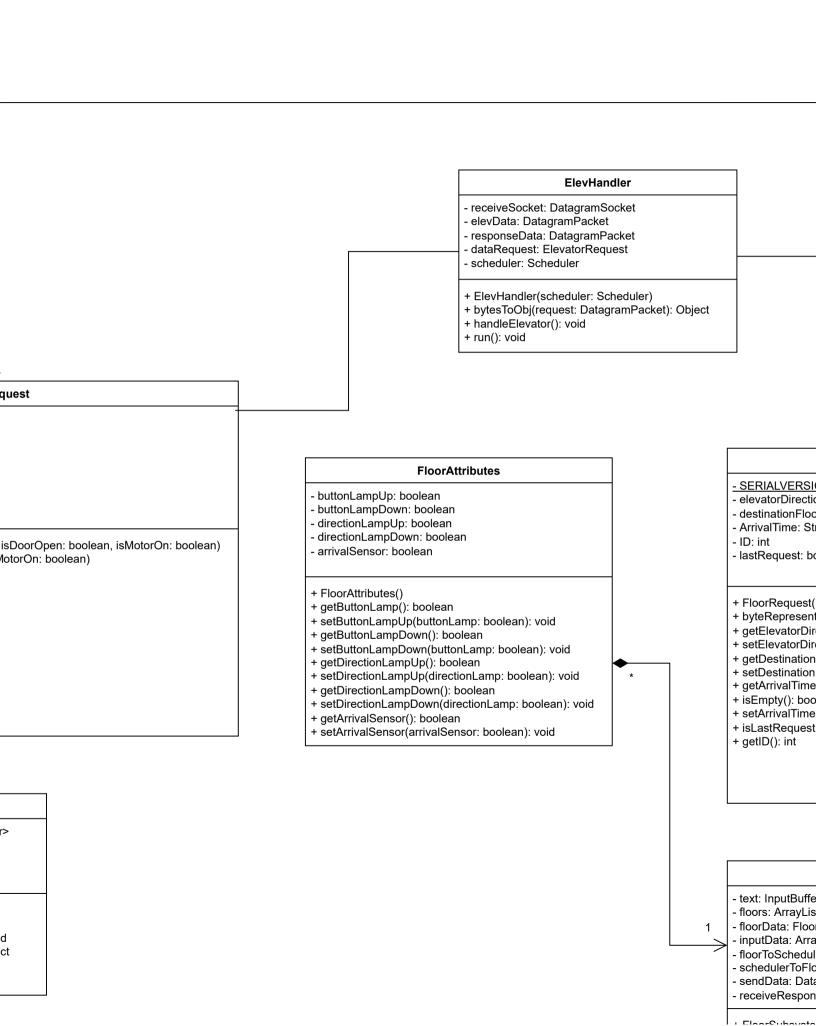
Failure

- + Failure(elevator: Elevator) + enterState(): void + updateState(request: ElevatorRequest):

+ MovingDown(elevato + enterState(): void + updateState(request:





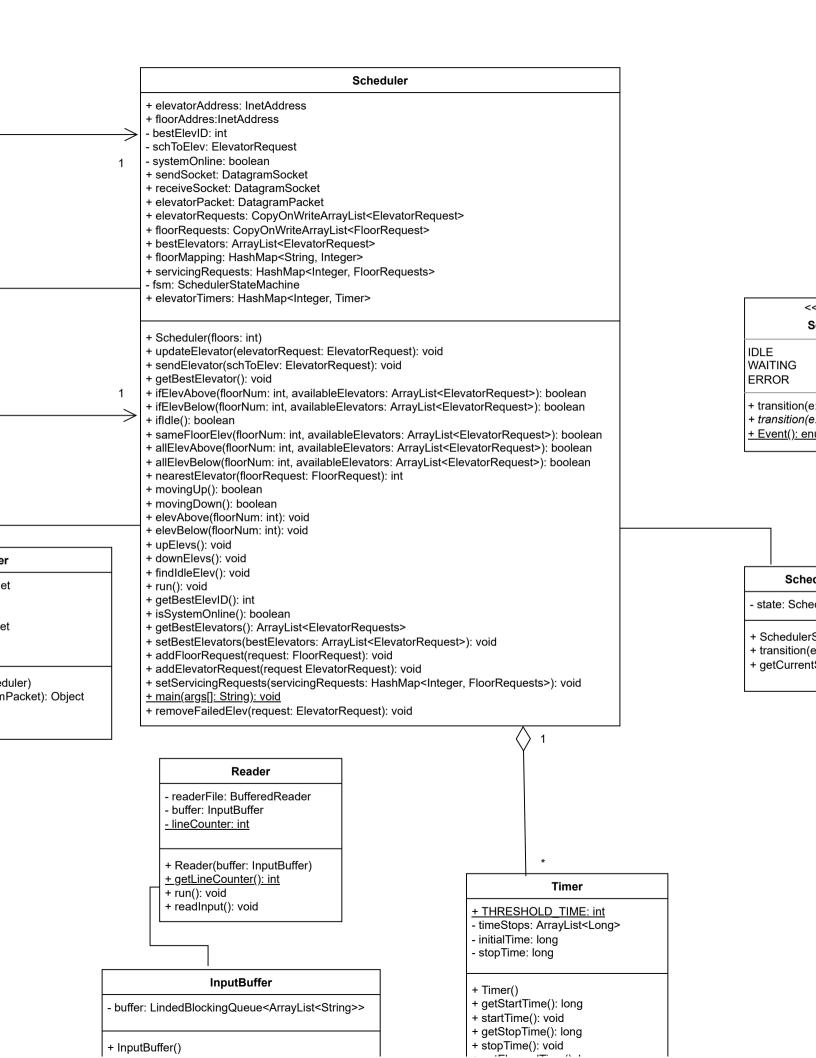


FloorRequest ONUID: long on: String r: int FloorHandle ring - receiveSocket: DatagramSock oolean - sendSocket: DatagramSocket - floorData: DatagramPacket - responseData: DatagramPack ID: int, arrivalTime: String, elevatorDirection: String, destinationFloor: int, isLastRequest: boolean) - dataRequest: FloorRequest tation(): byte[] - scheduler: Scheduler ection(): String ection(elevatorDirection: String): void + FloorHandler(scheduler: Sche Floor(): int + bytesToObj(request: Datagrar Floor(destinationFloor: int): void + handleFloor(): void (): String + run(): void lean (arrivalTime: String): void (): boolean

FloorSubsystem

t<ArrayList<FloorAttributes>>

rRequest
yList<String>
er: DatagramSocket
or: DatagramSocket
agramPacket
se: DatagramPacket



enumeration>> chedulerState

Event): SchedulerState : Event): SchedulerState

<u>um</u>



dulerStateMachine

dulerState

StateMachine() : Event): void State(): SchedulerState

+ getInputData()
+ setLamps(): vo
+ resetButtonLat
+ setDirectionalL
+ setArrivalSens
+ createNewRed
+ sendDataToSo
+ sendFloorMes
+ run(): void

+ run(): void + main(args[]: S

: ArrayList<String>
bid

mps(pickUpFloor: int): void
.ampsAllFloors(direction: String, elevatorID: int): void
or(elevatorID: int, currentFloor: int, direction: String): void
quest(isLastRequest: boolean): void
cheduler(isLastRequest: boolean): void
sage(): void

• ()

tring): void

- + getDataFromInputBuffer(): ArrayList<String>+ sendToInputBuffer(data: ArrayList<String>): void+ receiveFromInputBuffer(): ArrayList<String>

+ getElapsed lime(): long + checkFault(): boolean