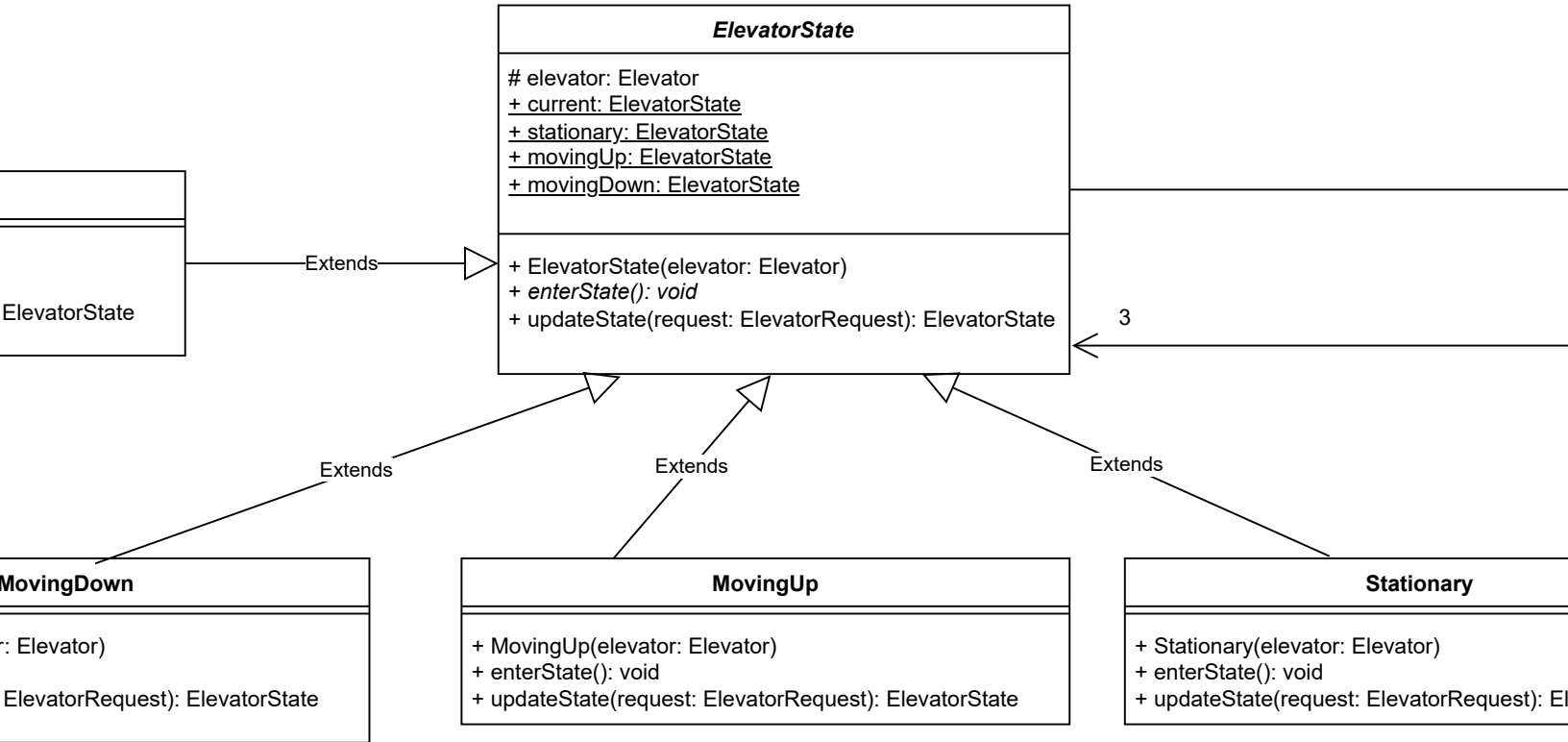
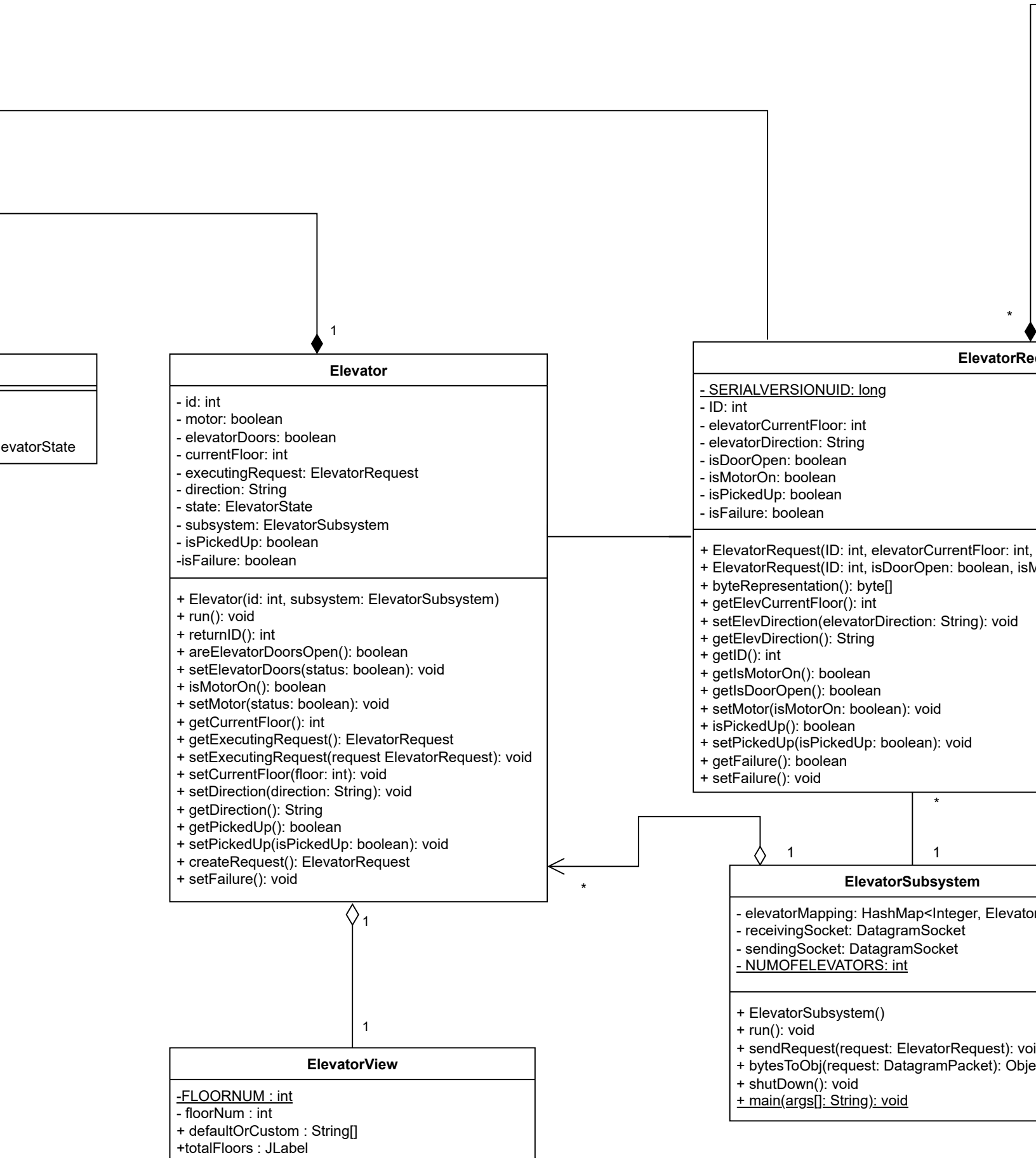
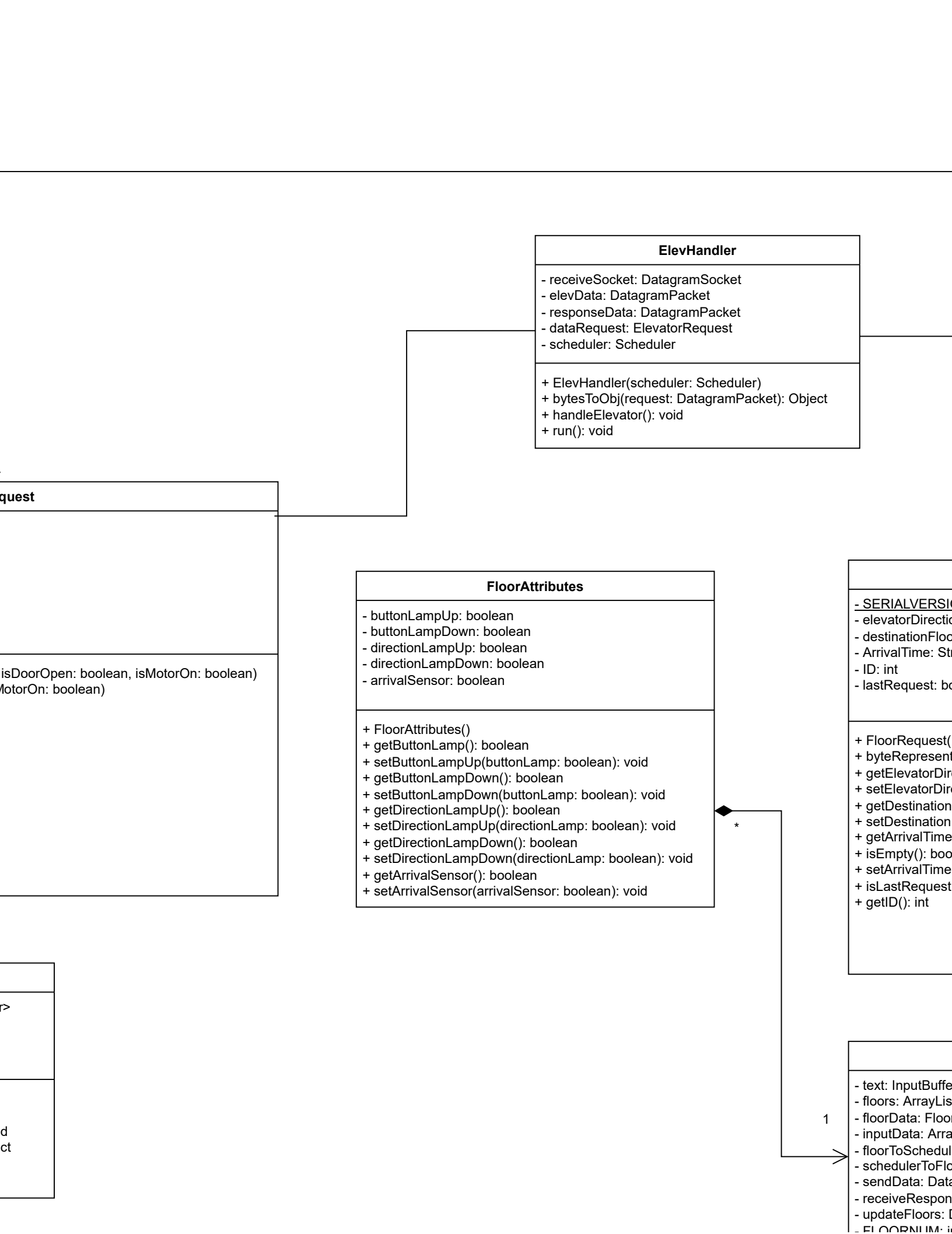


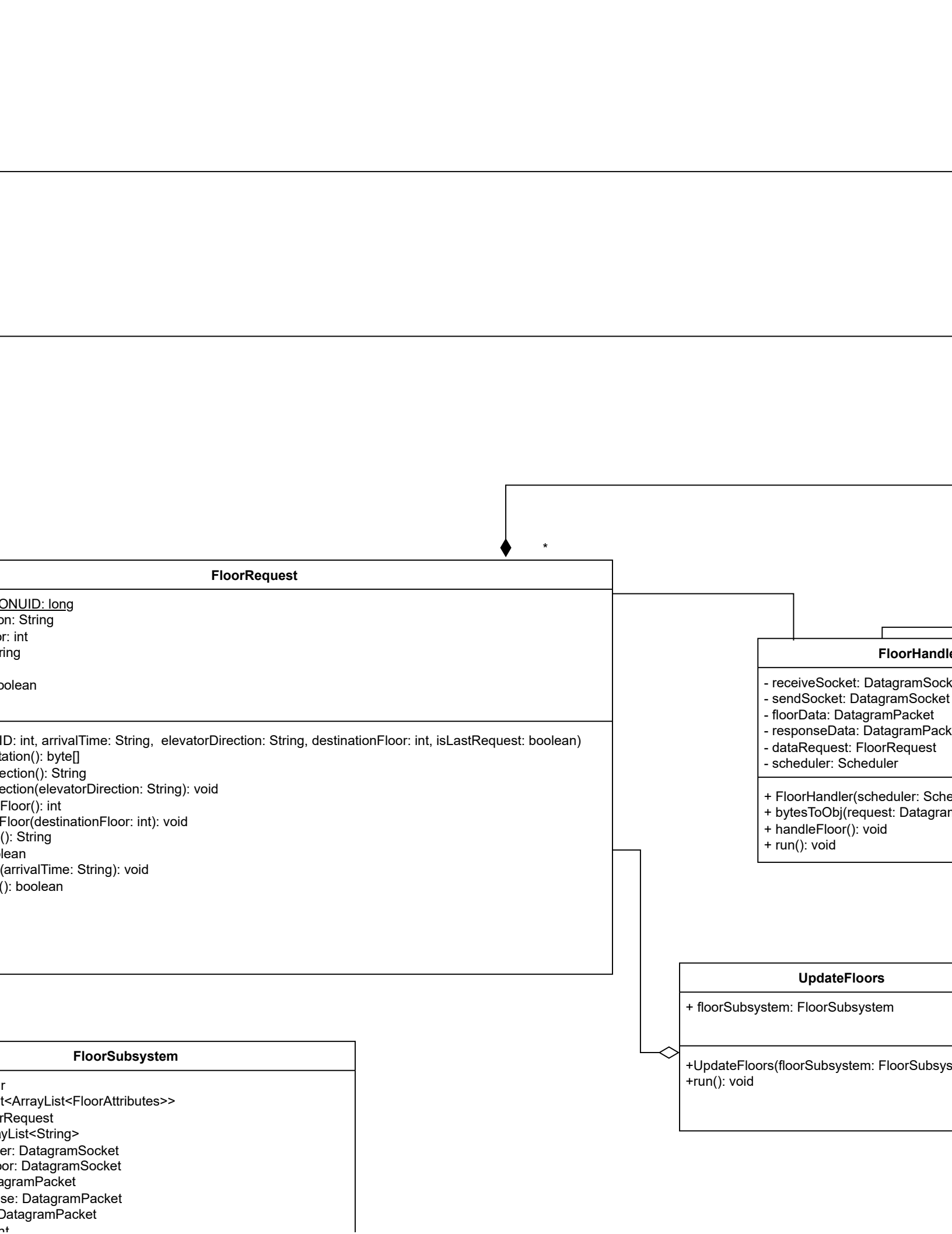
Failure
+ Failure(elevator: Elevator) + enterState(): void + updateState(request: ElevatorRequest):

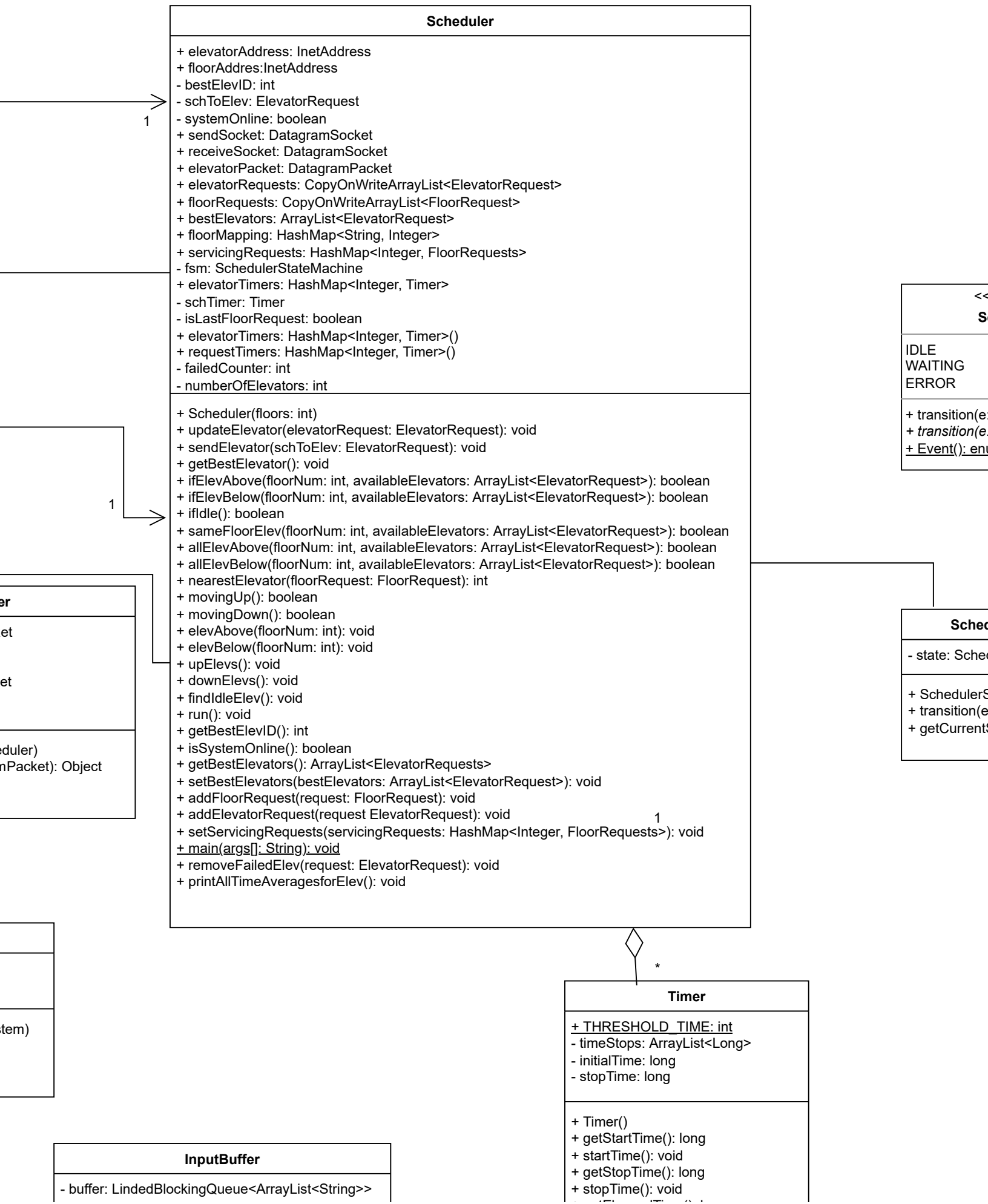
+ MovingDown(elevator) + enterState(): void + updateState(request:

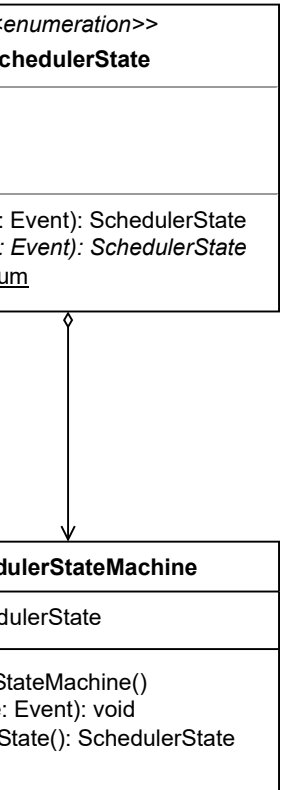













```
+currentFloor: JLabel  
+ doorStatus: JLabel  
+ motorStatus: JLabel  
+ passengerStatus: JLabel  
+ elevatorStatus: JLabel  
+ faultStatus: JLabel  
+ consoleOutput: JTextArea  
+ consoleDisplay: JScrollPane
```

```
+ ElevatorView(elevatorNum : Integer)  
+ ElevatorView()  
+ setUpGui(elevatorNum : Integer) : void  
+ updateCurrentFloor (floor : Integer): void  
+ updateDoorStatus (ifOpen: boolean) : void  
+ updateMotorStatus (ifOn: boolean) : void  
+ updatePassengerStatus (pickedUp: boolean) : void  
+ updateElevatorDirection (direction : String) : void  
+ updateFaultStatus (fault : boolean) : void  
+ writeToConsole (output: String) : void  
+ main(args[]: String): void
```

+ FloorSubsystem
+ getInputData()
+ setLamps(): void
+ resetButtonLamp()
+ setDirectionalLamp()
+ setArrivalSensor()
+ createNewRecord()
+ sendDataToScreen()
+ sendFloorMessage()
+ run(): void
+ updateFloors()
+ bytesToObj(records)
+ main(args[]): String

```
m(numFloors: int, numElevators: int)
: ArrayList<String>
void
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

: void
quest: DatagramPacket) : Object
tring): void
```



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

+ getElapsedTime(): long
+ checkFault(): boolean
+ getSeconds(): double
+ getMinutes(): double
+ logRequestTime(): void
+ returnAvgTimeInSecs(): double
+ getNumRequestsHandled(): Integer

Reader

+ Reader(buffer: InputBuffer)
+ getLineCounter(): int
+ run(): void
+ readInput(): void

- readerFile: BufferedReader
- buffer: InputBuffer
- lineCounter: int

