Floor

- floorNumber: int

downRequests: ArrayList<ElevatorRequest>upRequests: ArrayList<ElevatorRequest>

- floorLampUp: boolean - floorLampDown: boolean - directionLamps: boolean[][] - isFirstFloor: boolean - isLastFloor: boolean

+ addRequest(event: ElevatorRequest): void

+ checkForRequests(): ElevatorRequest

+ setDirectionLamp(elevatorId: int, direction: Direction, state: boolean): void

+ setFloorLamp(direction: Direction, state: boolean): void

+ getUpRequests(): Collection<Object>
+ getDownRequests(): Collection<Object>
+ getDirectionLamps(): boolean[][]
+ getFloorLampUp(): boolean
+getFloorLampDown(): boolean

FloorController

floorSubsystem: FloorSubsystemreceiver: UDPSenderReceiver

+ run(): void

FloorSubsystem

- sender: UDPSenderReceiver

numberOfFloors: intfloors: ArrayList<Floor>

- readInputFile(filename: String): ArrayList<ElevatorRequest>

+ setDirectionLamp(elevatorId: int, floorNumber: int, direction: Direction, state: boolean): void

+ setFloorLamp(floorNumber: int, direction: Direction, state: boolean): void

+ run(): void