Design with Part 1 implementation

RequestInterface

ElevatorInterface

Elevator
maxOccupancy	int
doorOpenTimeTotal	int
newElevatorId	int
stopWaitTimeTotal	int
direction	Direction
doorClosed	boolean
stopWaitTimeLeft	int
takingRequests	boolean
id	int
currentFloor	int
doorOpenTimeLeft	int
outOfService	boolean
floorRequests	boolean[]
maxFloor	int

ElevatorReport
currentFloor	int
outOfService	boolean
direction	Direction
elevatorId	int
floorRequests	boolean[]
endWaitTimer	int
doorOpenTimer	int
isTakingRequests	boolean
doorClosed	boolean

Direction
UP	
display	String
DOWN	
STOPPED	

Request
startFloor	int
endFloor	int

ElevatorSystemStatus
display	String
outOfService	
running	
stopping	

BuildingInterface

BuildingReport
numElevators	int
numFloors	int
downRequests	List<Request>
systemStatus	ElevatorSystemStatus
upRequests	List<Request>
elevatorCapacity	int
elevatorReports	ElevatorReport[]

Building
systemStatus	ElevatorSystemStatus
elevatorCapacity	int
numberOfFloors	int
elevators	List<ElevatorInterface>
numberOfElevators	int
upRequests	List<Request>
downRequests	List<Request>

ElevatorTest
elevatorThreeFloors3Capacity	Elevator
elevatorTestStatic2	Elevator
elevatorTestStatic	Elevator
downThreeRequests	List<Request>
elevatorTenFloors10Capacity	Elevator
upTenRequests	List<Request>
downTenRequestsNotBottom	List<Request>
upTenRequestsNotTop	List<Request>
downTenRequests	List<Request>
upThreeRequests	List<Request>

ElevatorReportTest
report	ElevatorReport

BuildingTest
numberOfFloors	int
elevatorCapacity	int
building	Building
numberOfElevators	int

MainConsole