Sequence Diagram
Group 6

Actor

readData()

:Floor

data.txt

sendInstruction()

:Scheduler

sendFloorAcknowledgement()

receiveInstructionFromFloor() :
InputData

sendStatus()

Elevator1

sendStatus()

Elevator2

sendStatus()

Elevator3

sendStatus()

Elevator4

receiveElevatorStatus()

receiveElevatorStatus()

receiveElevatorStatus()

receiveElevatorStatus()

getElevatorForRequest()

sendToElevator() :
Elevator Stuck

sendToElevator()

receiveInstruction() :
"No current
requests"

receiveInstruction() :
InputData

sendToElevator() :
Doors Stuck Open/Closed

receiveInstruction() :
InputData

sendToElevator()

receiveInstruction() :
"No current
requests"

sendStatus()

sendStatus() : InputData

sendStatus()

sendStatus()

receiveElevatorStatus()

receiveElevatorStatus() : inputData

receiveElevatorStatus()

receiveElevatorStatus()