Elevator Specific Scheduler Manager - State Diagram

Action:
Find best available elevator to schedule the request

FloorRequest

Awaiting next elevator request

ElevatorRequest:
Action:
Return NextFloorToVisit for each elevator

Does the floor request cause an error that puts the elevator out of service?

Yes **No**

User terminates program

Action:
Return NextFloorToVisit for each elevator

No

Are all elevators now out of service?

Yes

All elevators out of service

User terminates program

FloorRequest:
(Any request type)
Action :
Discard request

Is at least one elevator brought back online from the ElevatorRequest?

No **Yes**

ElevatorRequest