

OSP STAGE 2040 for Project FluxVator



Real Use Cases

UI Design

System Architecture

Interaction Diagram(Sequence)

Class Diagram

Ending Remarks

Real Use Cases

1. The Big Picture Remains the Same. (for now.)

Use Case Change Notes



1. The Big Picture Remains the Same. (for now.)

18 actual Use cases in total

6 evident, 12 hidden

Unchanged from essential use cases

Use Case Change Notes



2. Details, Details and More Details.

Use Case Change Notes



2. Details, Details and More Details.

Step by step normal flows

Reference variables & operations for relevance

>Gritty details are subject to changes.

Use Case Change Notes



3. Actual Flow Elaboration

Use Case Change Notes



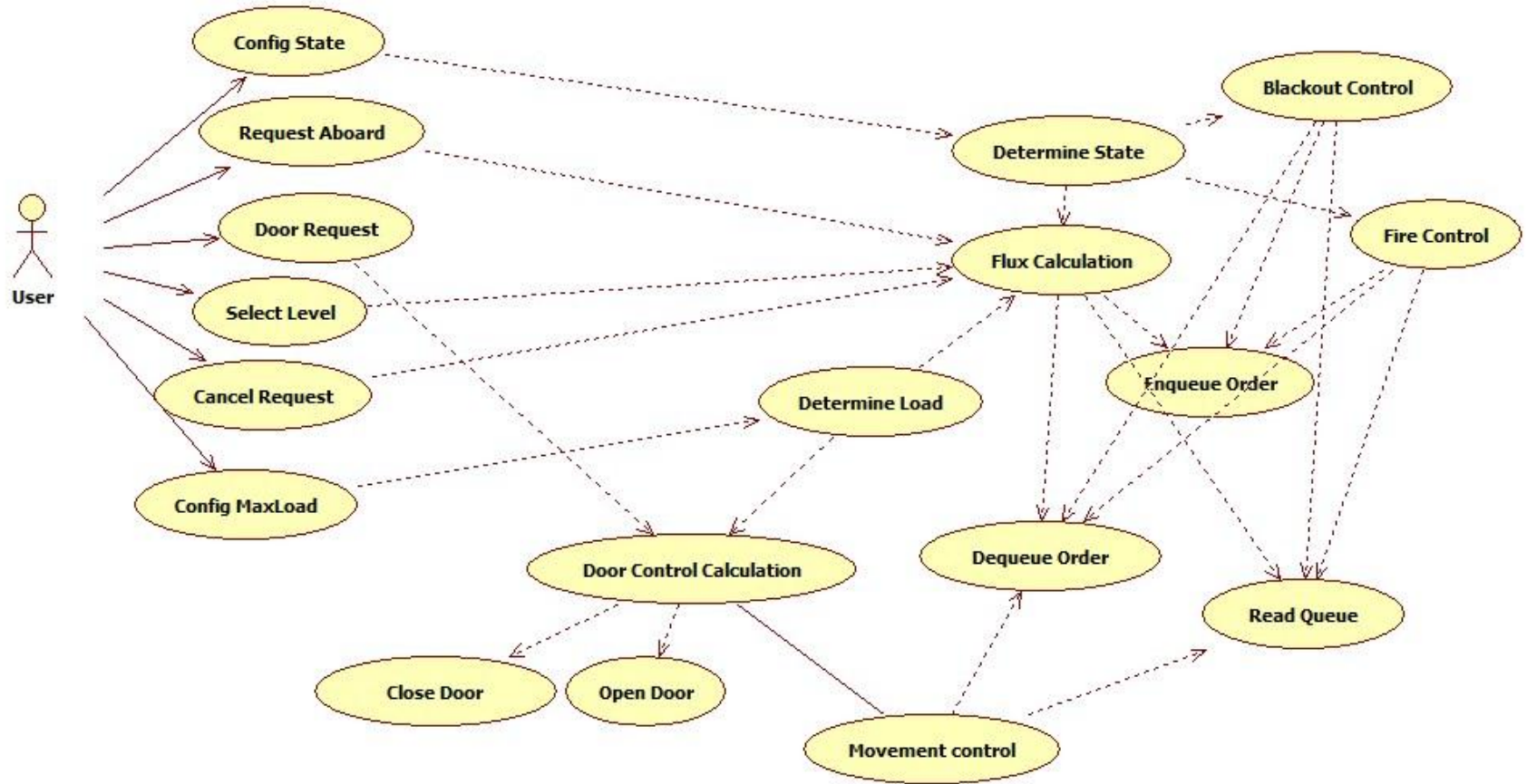
3. Actual Flow Elaboration

Will be done in sequence diagrams.

For more info on use cases,
refer to our 2040 document.

Use Case Change Notes





Use Case Change Notes

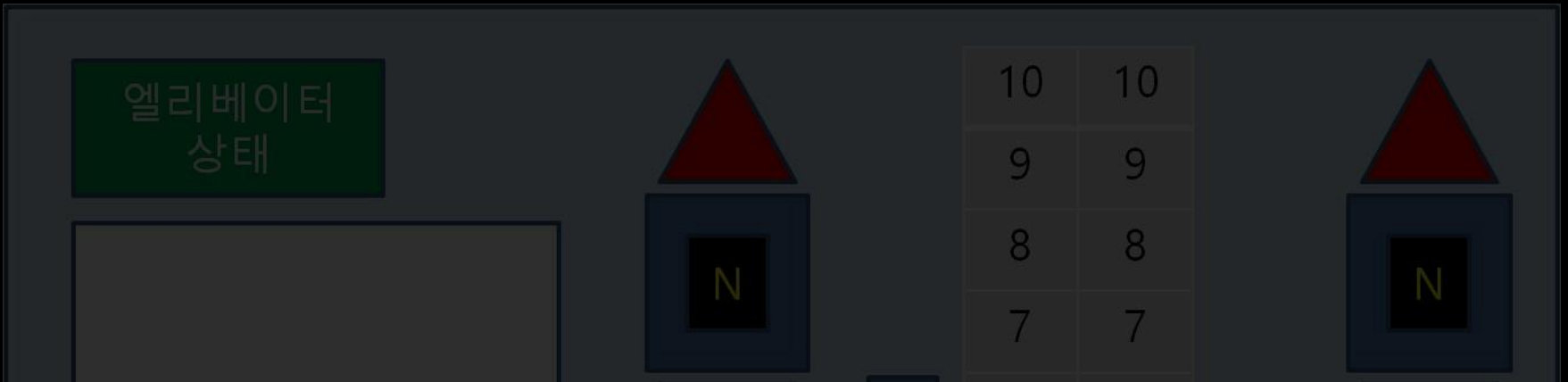


1. The Big Picture Remains the Same.
2. Details, Details, and More Details.
3. Actual Flow Elaboration

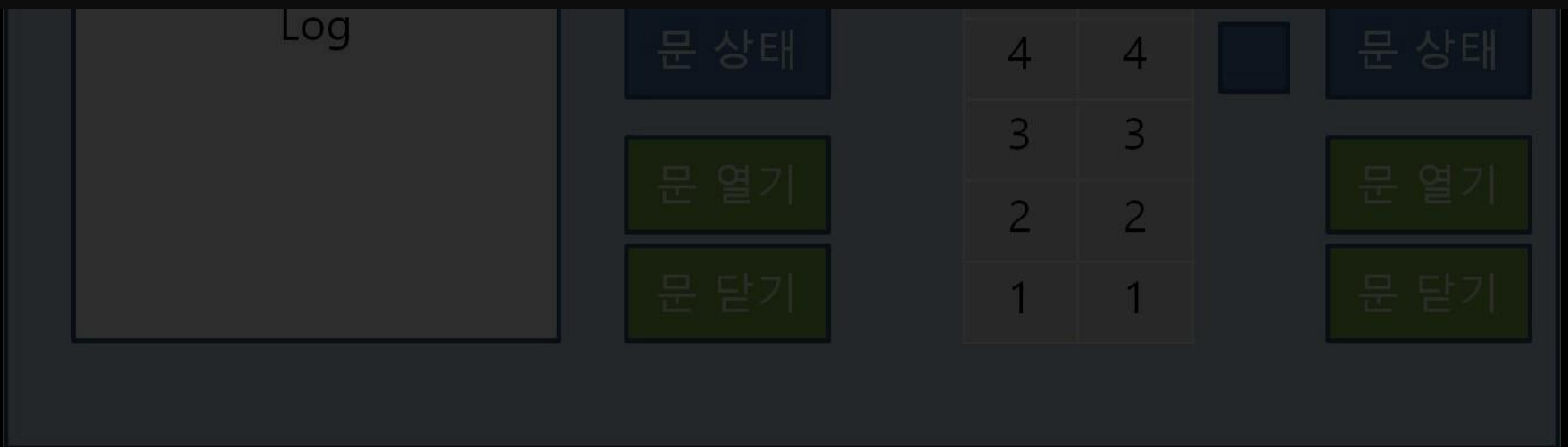
Use Case Change Notes Summary



UI Design



The Bread and Butter



UI Design : Main View

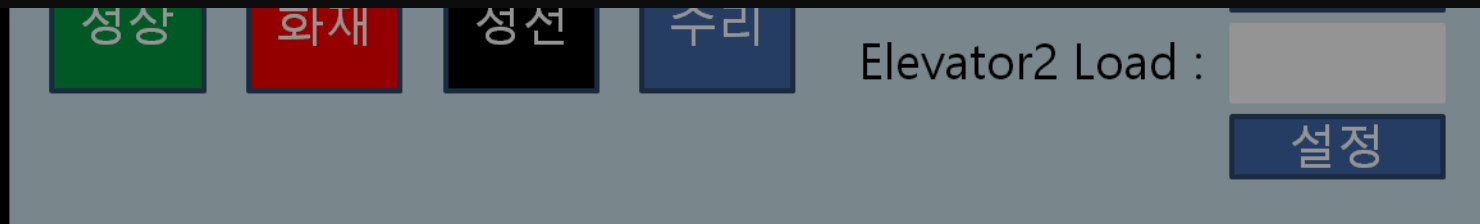




UI Design : Main View



Setting Elevator Status and Maximum Load



UI Design : State & MaxLoad Configuration



정상

화재

정전

수리

Elevator1 Load :

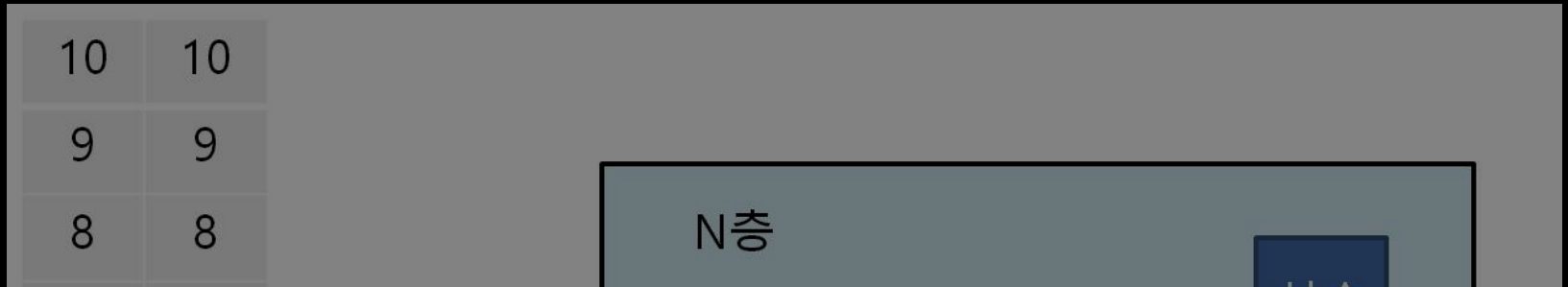
설정

Elevator2 Load :

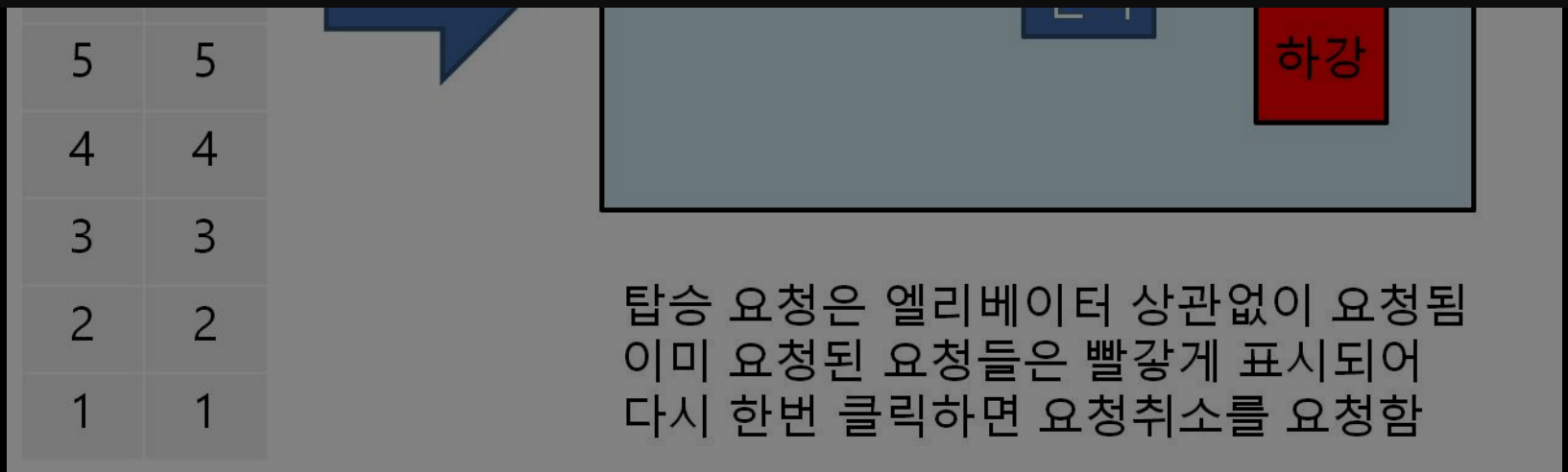
설정

UI Design : State & MaxLoad Configuration





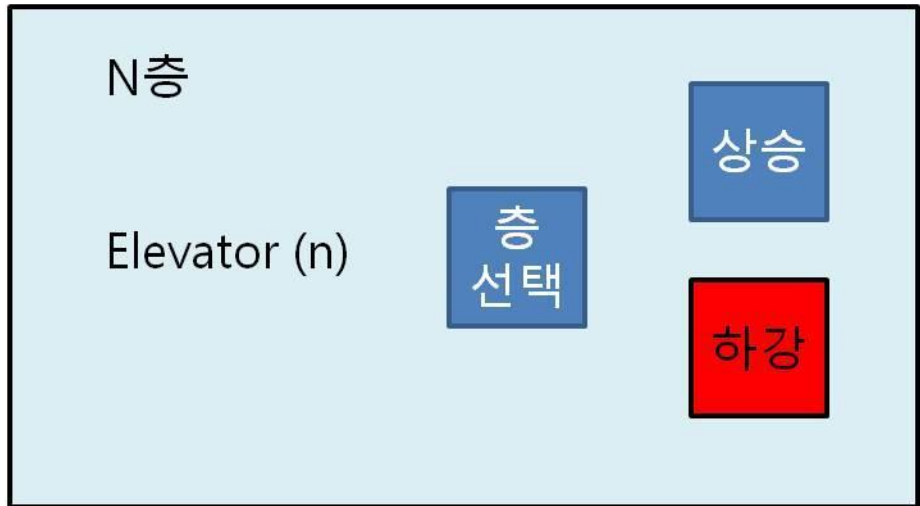
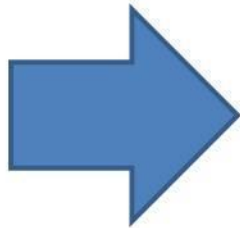
Making a Request (AKA moving the cabin)



UI Design : State & MaxLoad Configuration



10	10
9	9
8	8
7	7
6	7
5	5
4	4
3	3
2	2
1	1



탑승 요청은 엘리베이터 상관없이 요청됨
 이미 요청된 요청들은 빨강게 표시되어
 다시 한번 클릭하면 요청취소를 요청함

UI Design : State & MaxLoad Configuration



System Architecture



Business Object Package

One Package to Rule Them All.

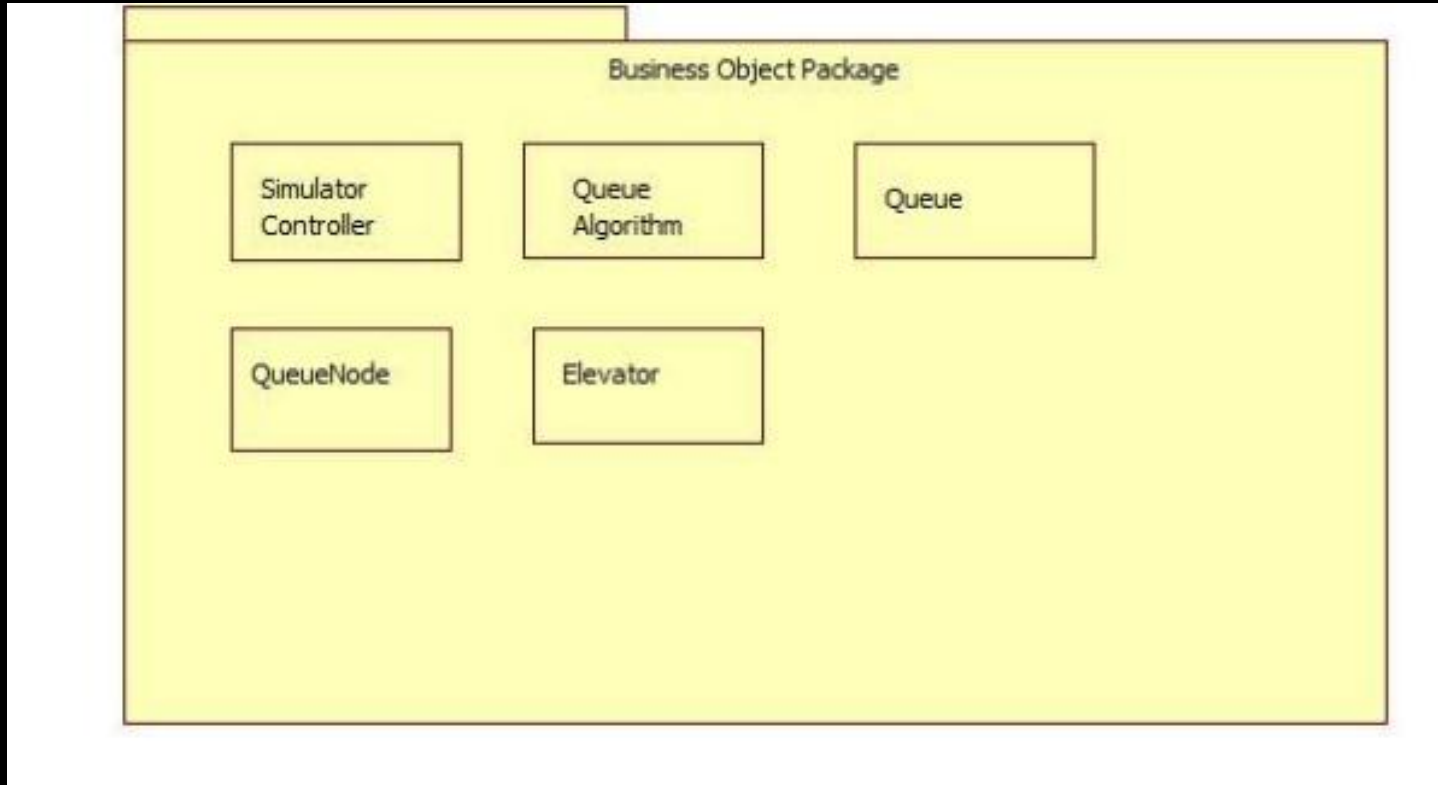


QueueNode

Elevator

System Architecture





System Architecture



Sequence Diagrams

Disclaimer

Since 6 out of 18 use cases are evident ones,
only **six interactions with the user were
visualized.**

Sequence Diagrams

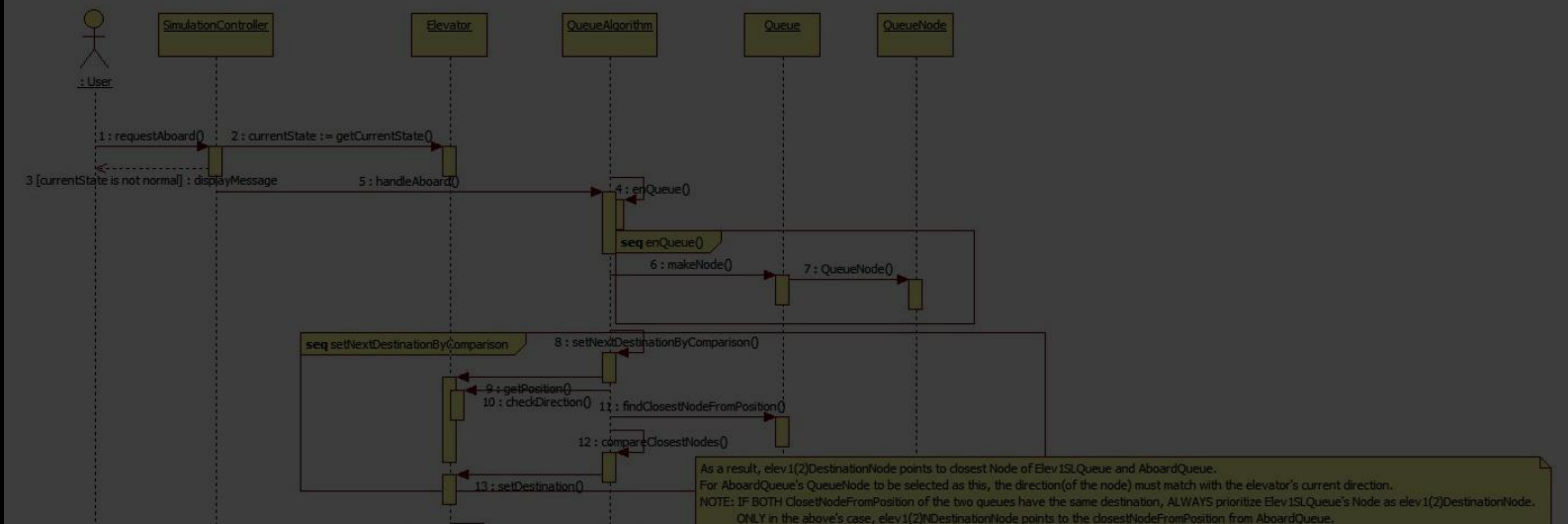


Disclaimer

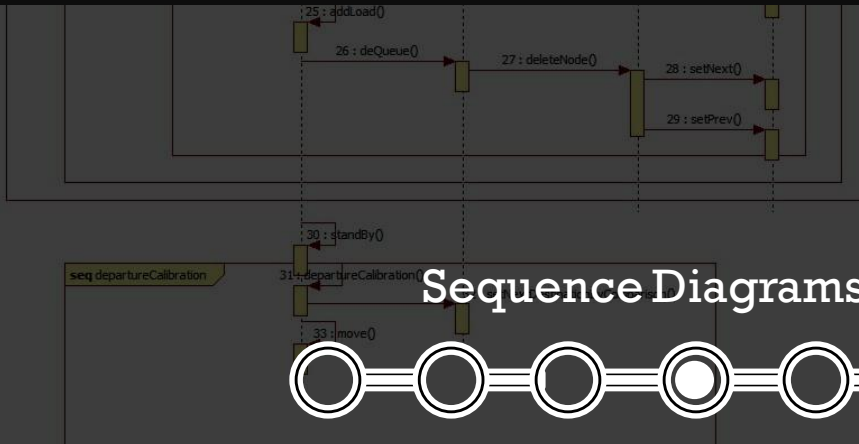
Because of this, we had to **cram in all hidden operations** into those diagrams.
(i.e. massive diagrams)

Sequence Diagrams



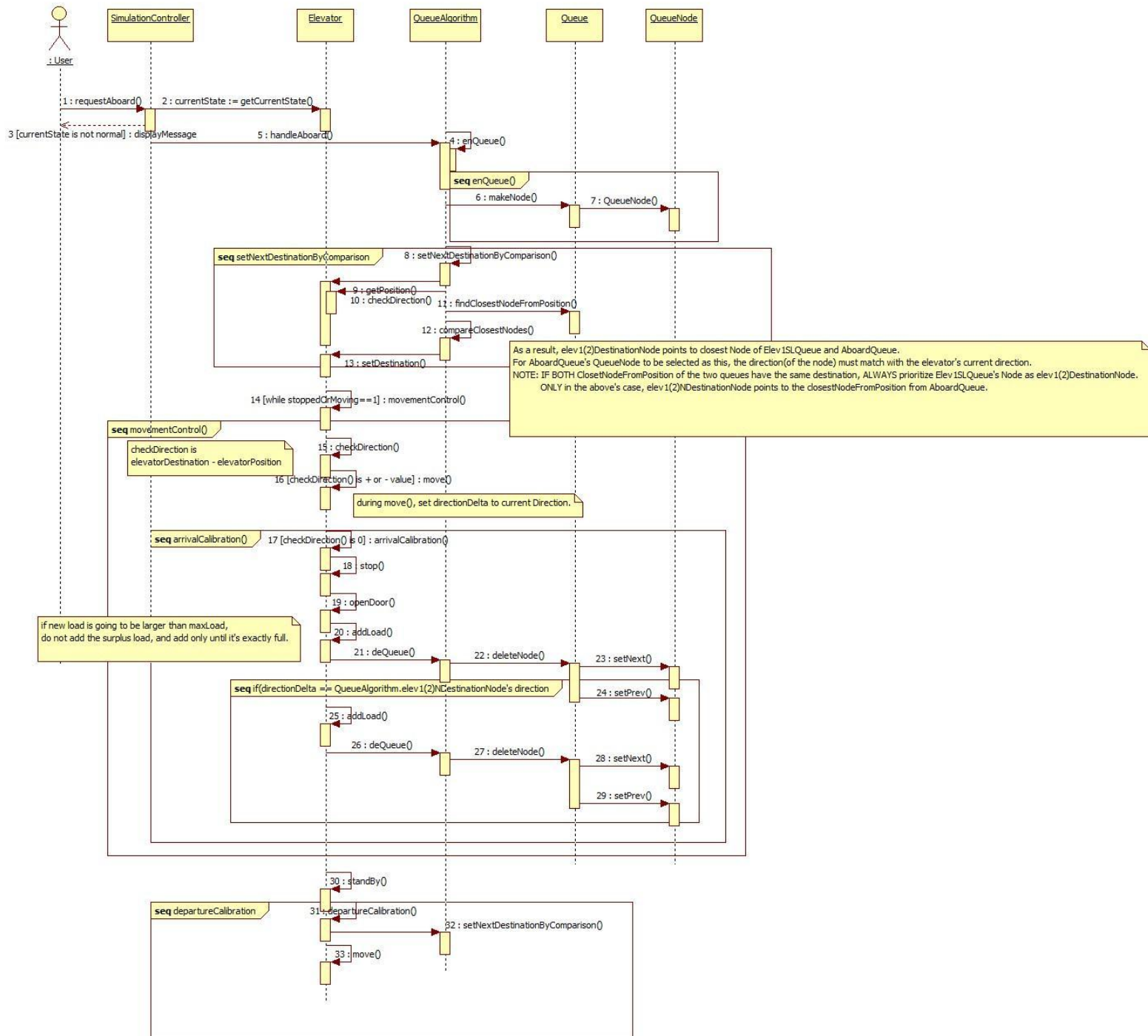


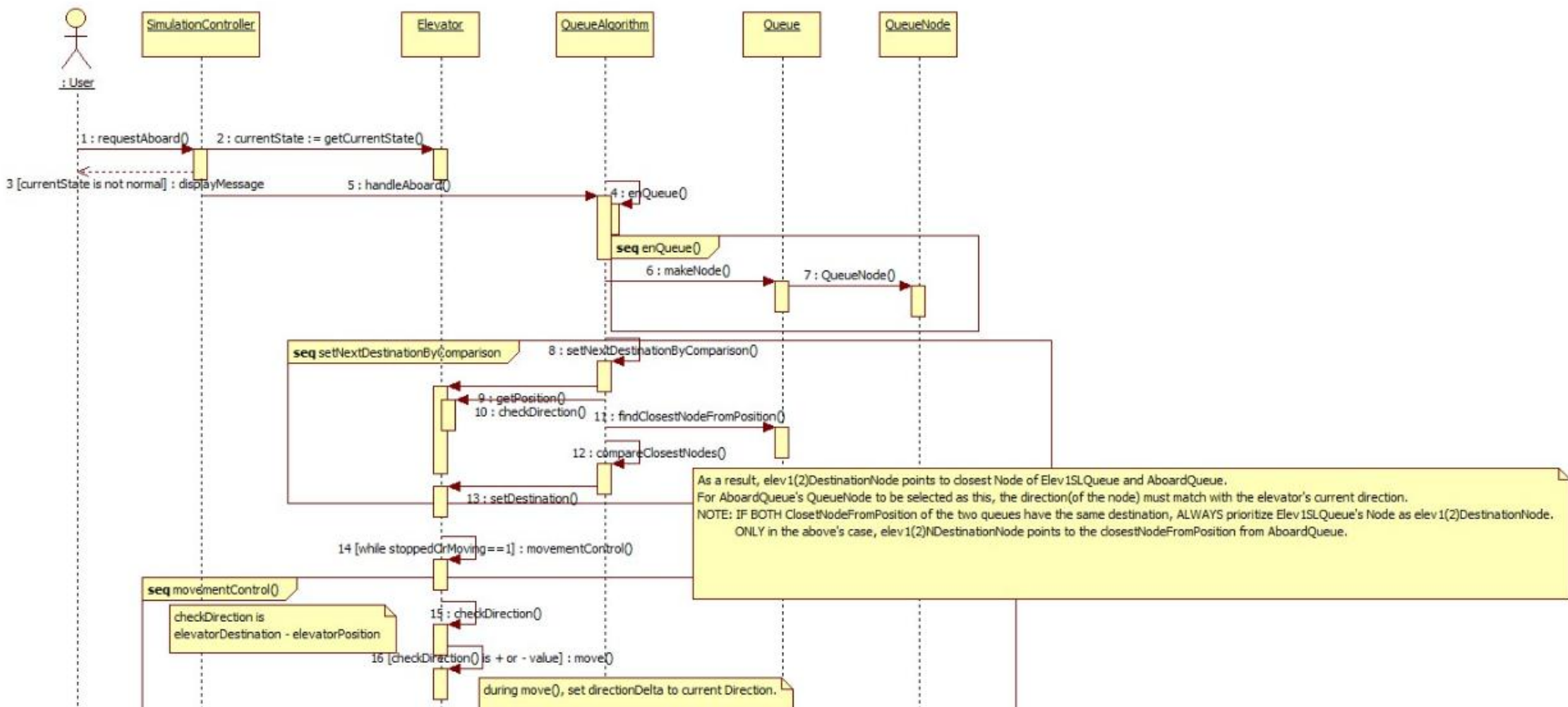
1. Request Aboard



Sequence Diagrams

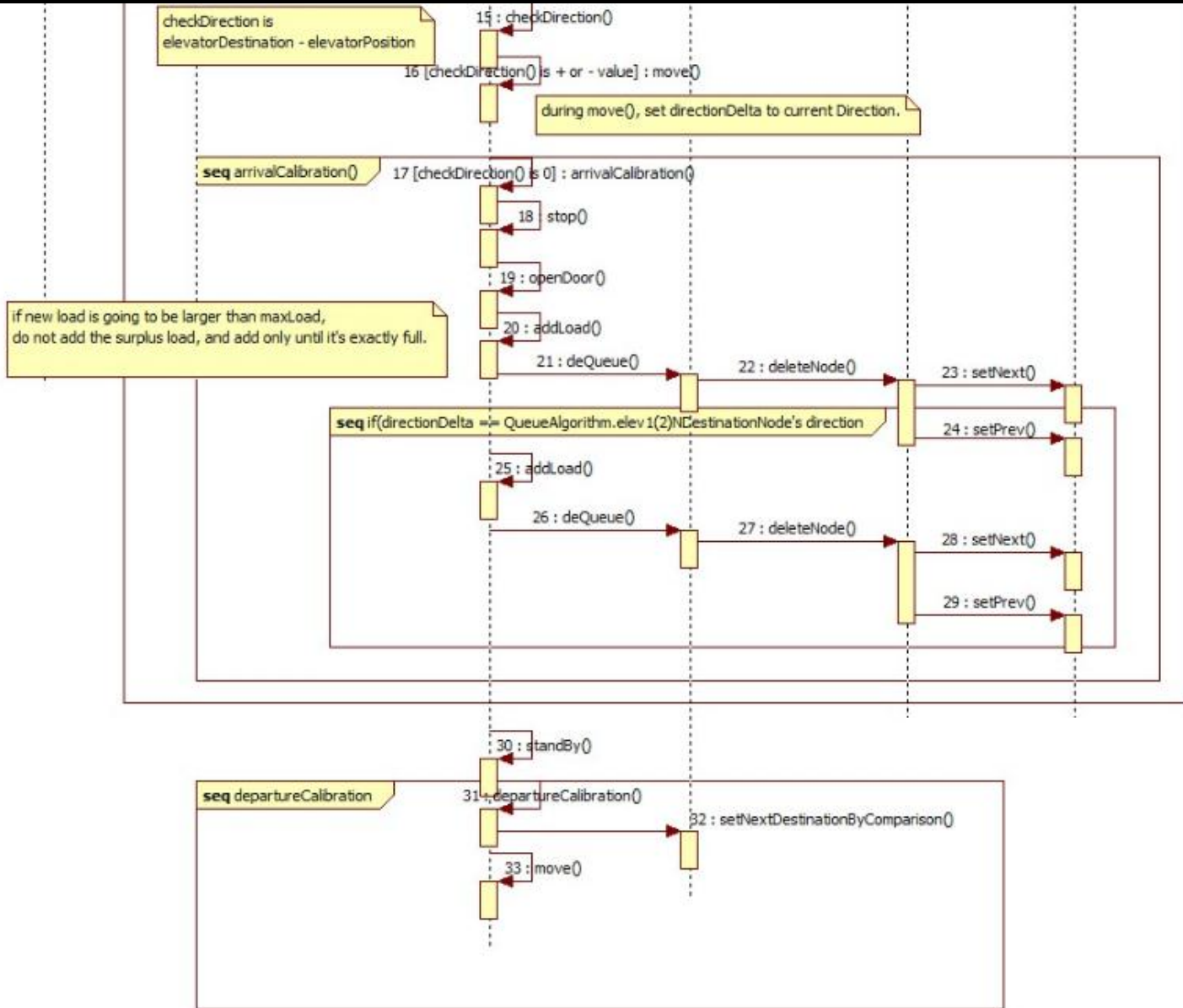


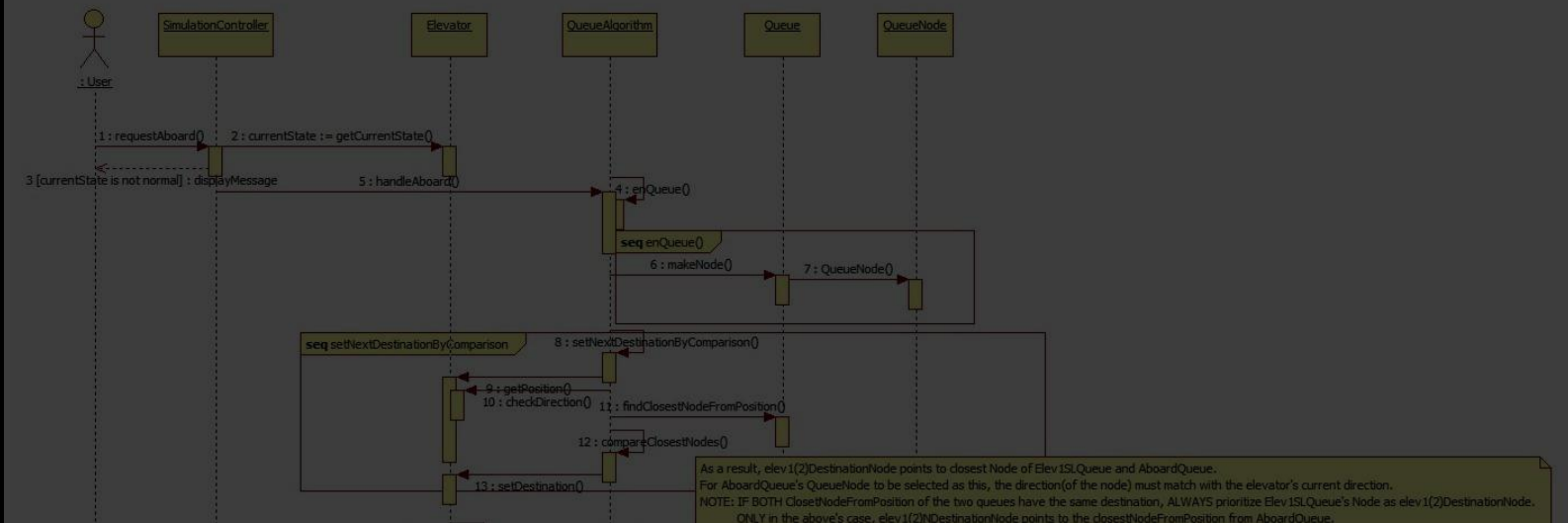




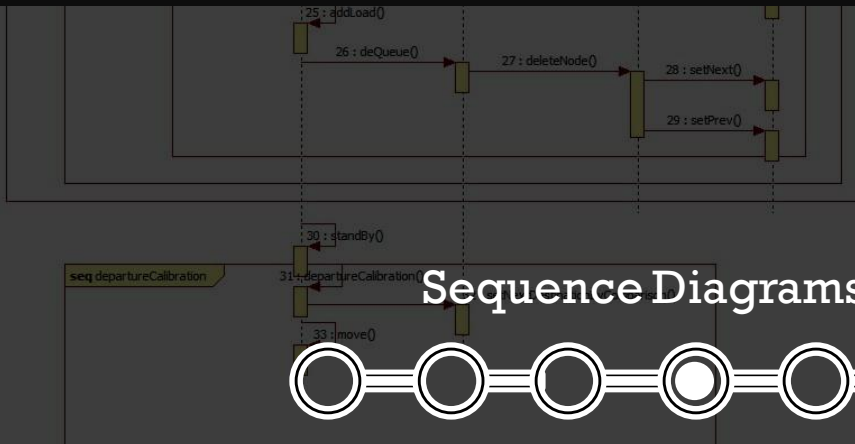
Sequence Diagrams





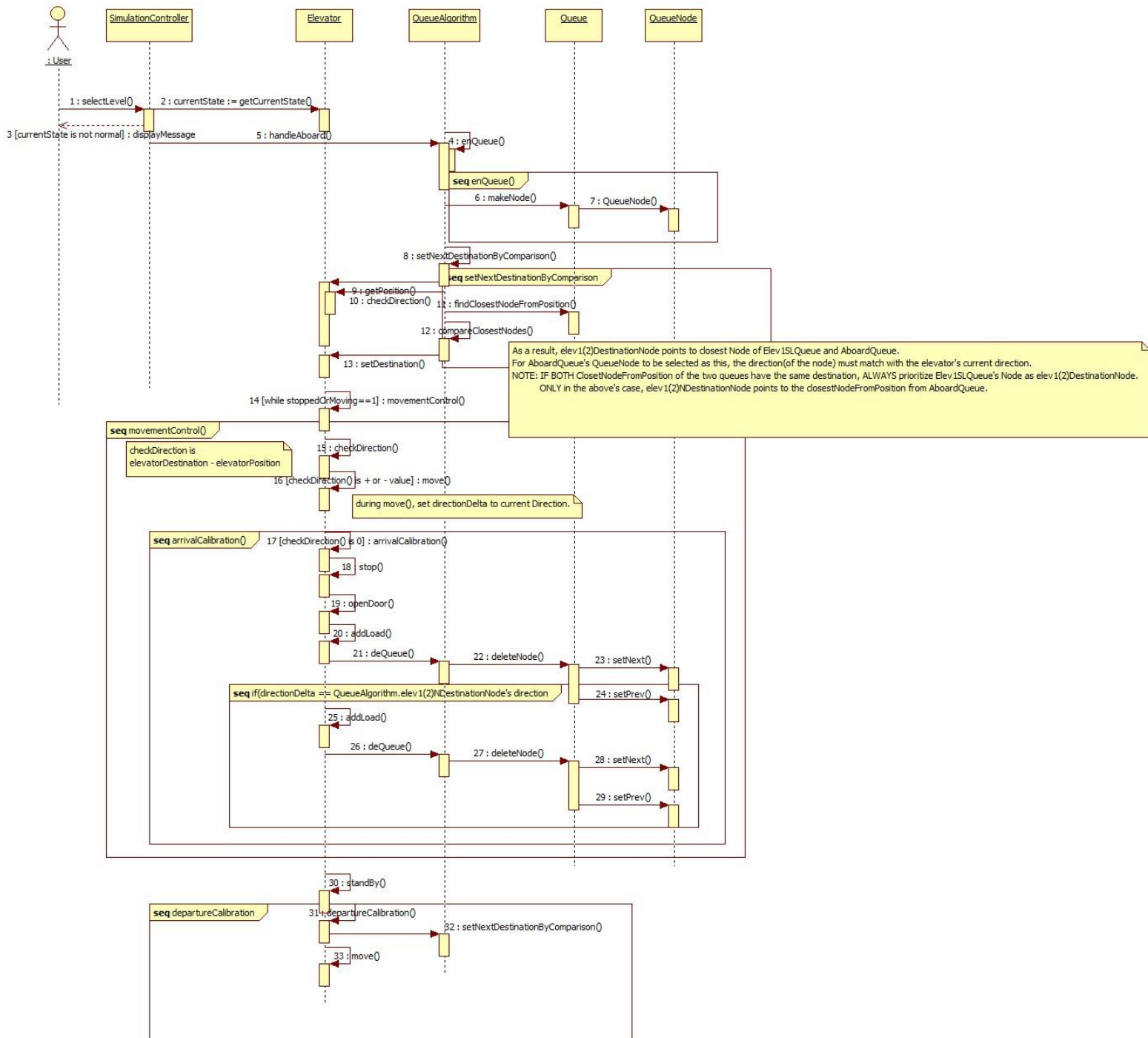


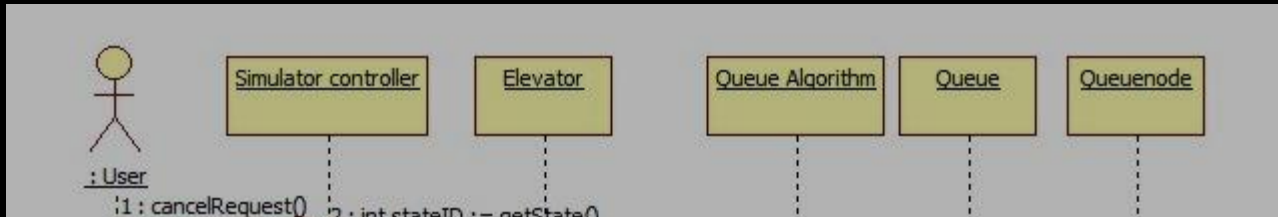
2. Select Level



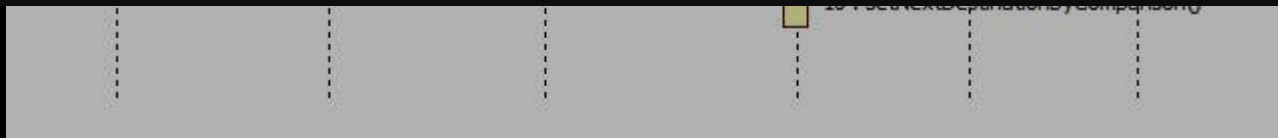
Sequence Diagrams





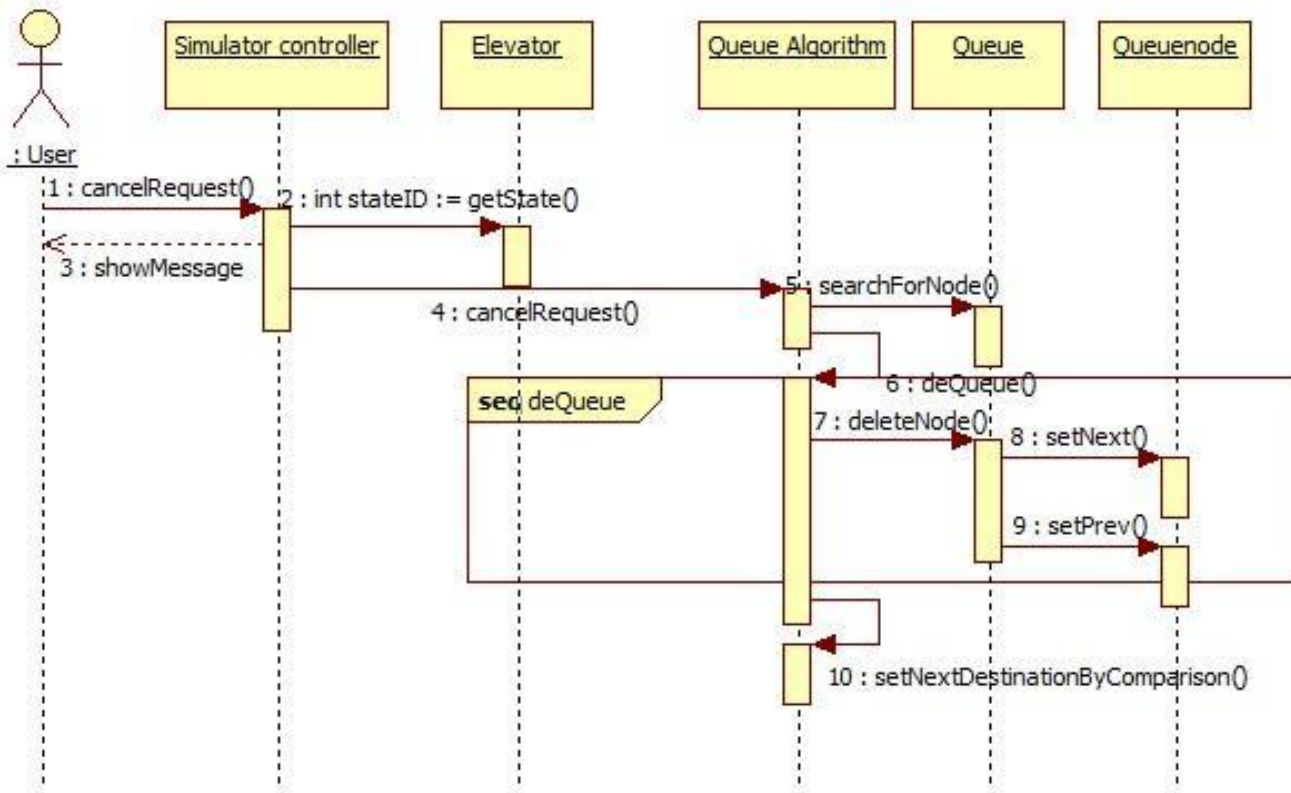


3. Cancel Request



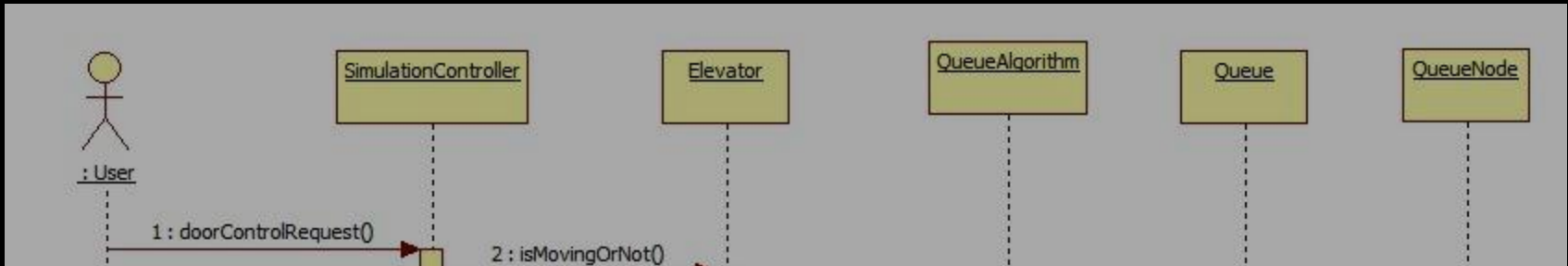
Sequence Diagrams





Sequence Diagrams



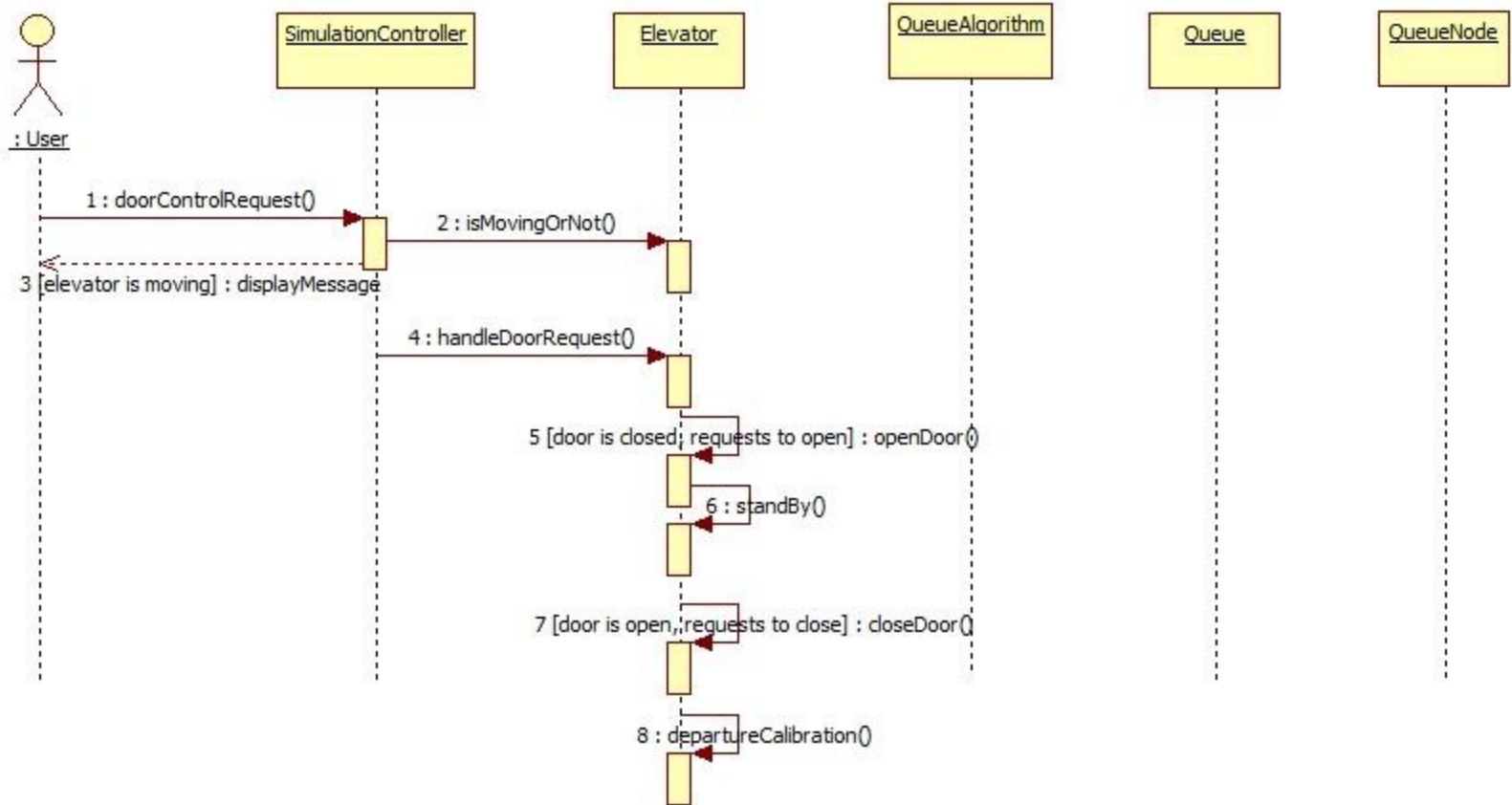


4. Door Control Request



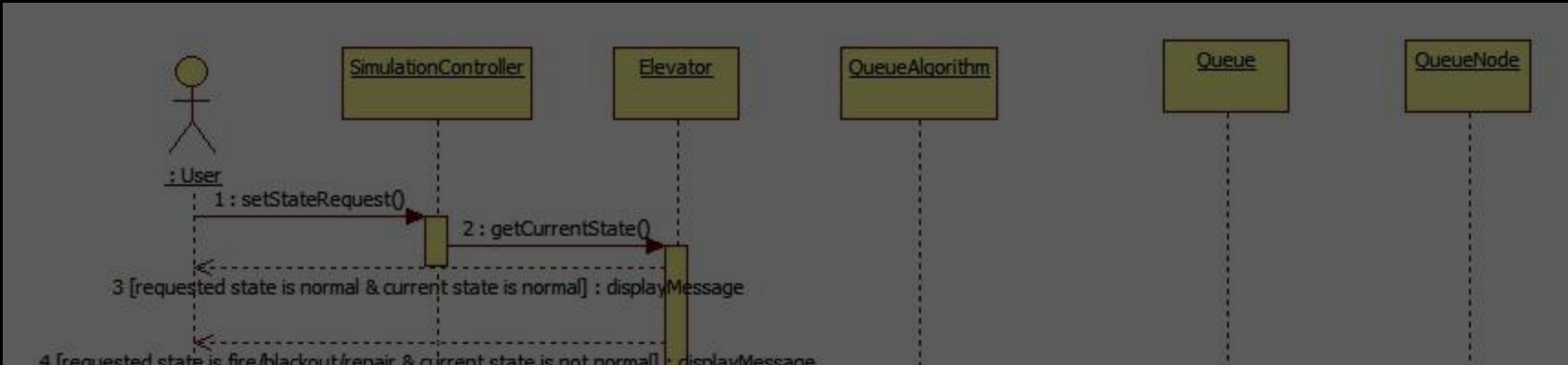
Sequence Diagrams



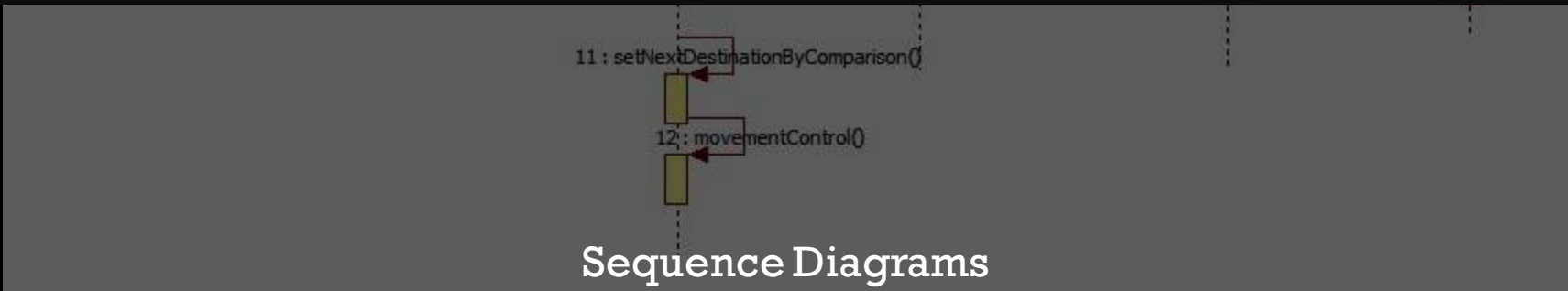


Sequence Diagrams



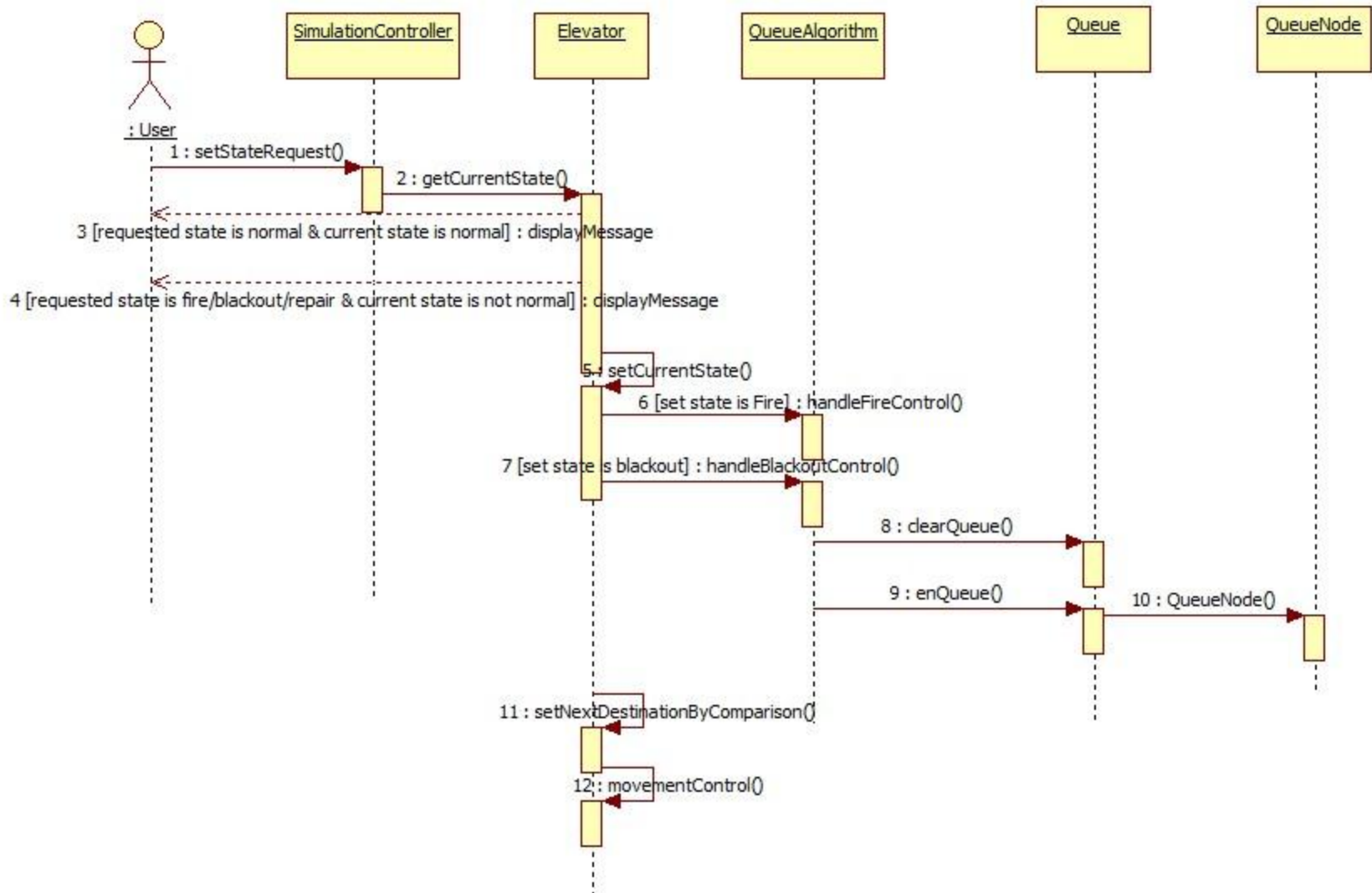


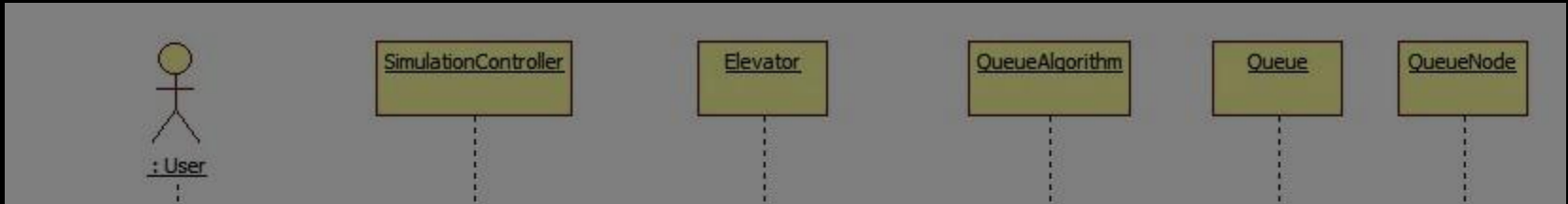
5. Config State



Sequence Diagrams





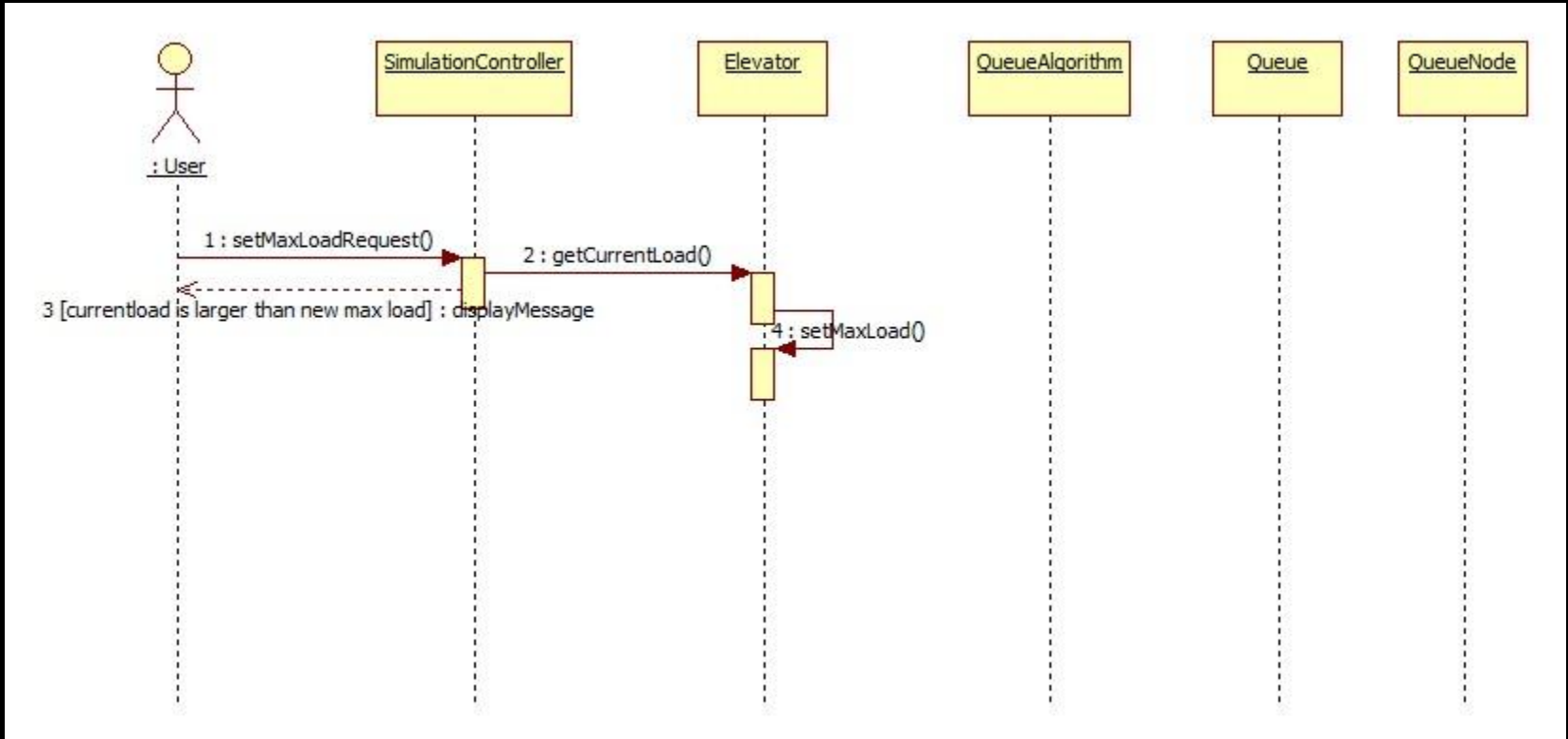


6. Config Maximum Load



Sequence Diagrams

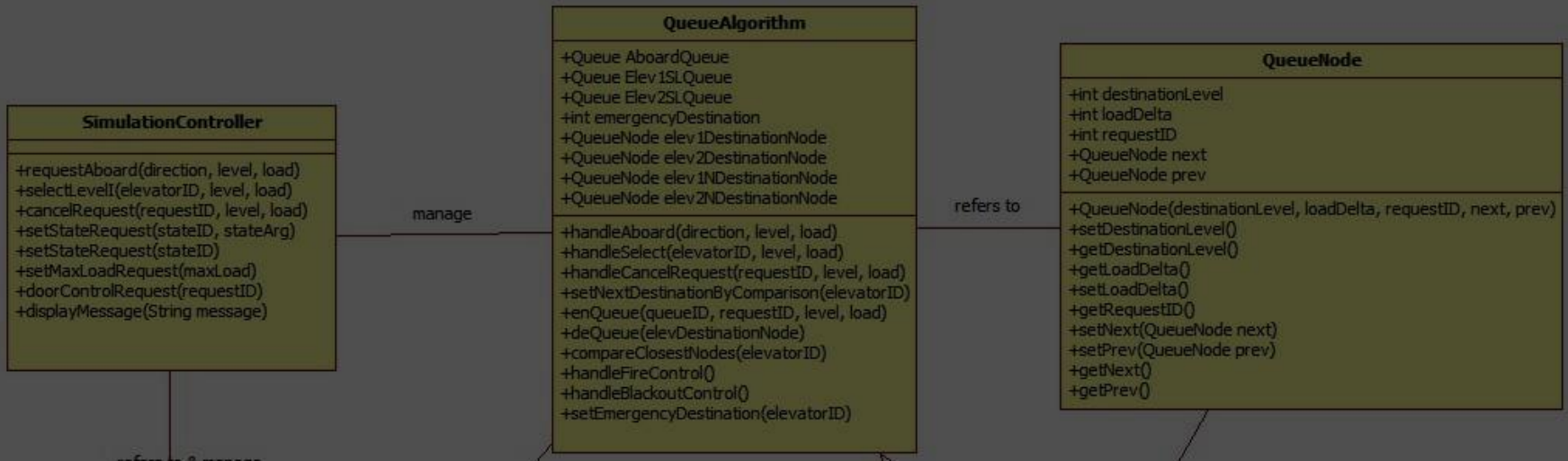




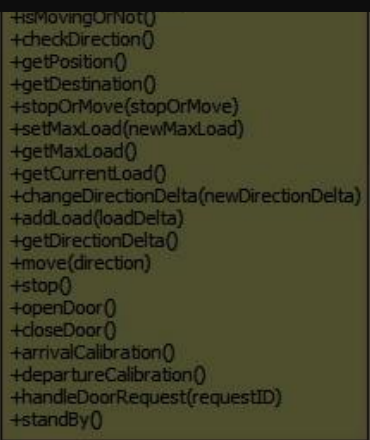
Sequence Diagrams



Class Diagram

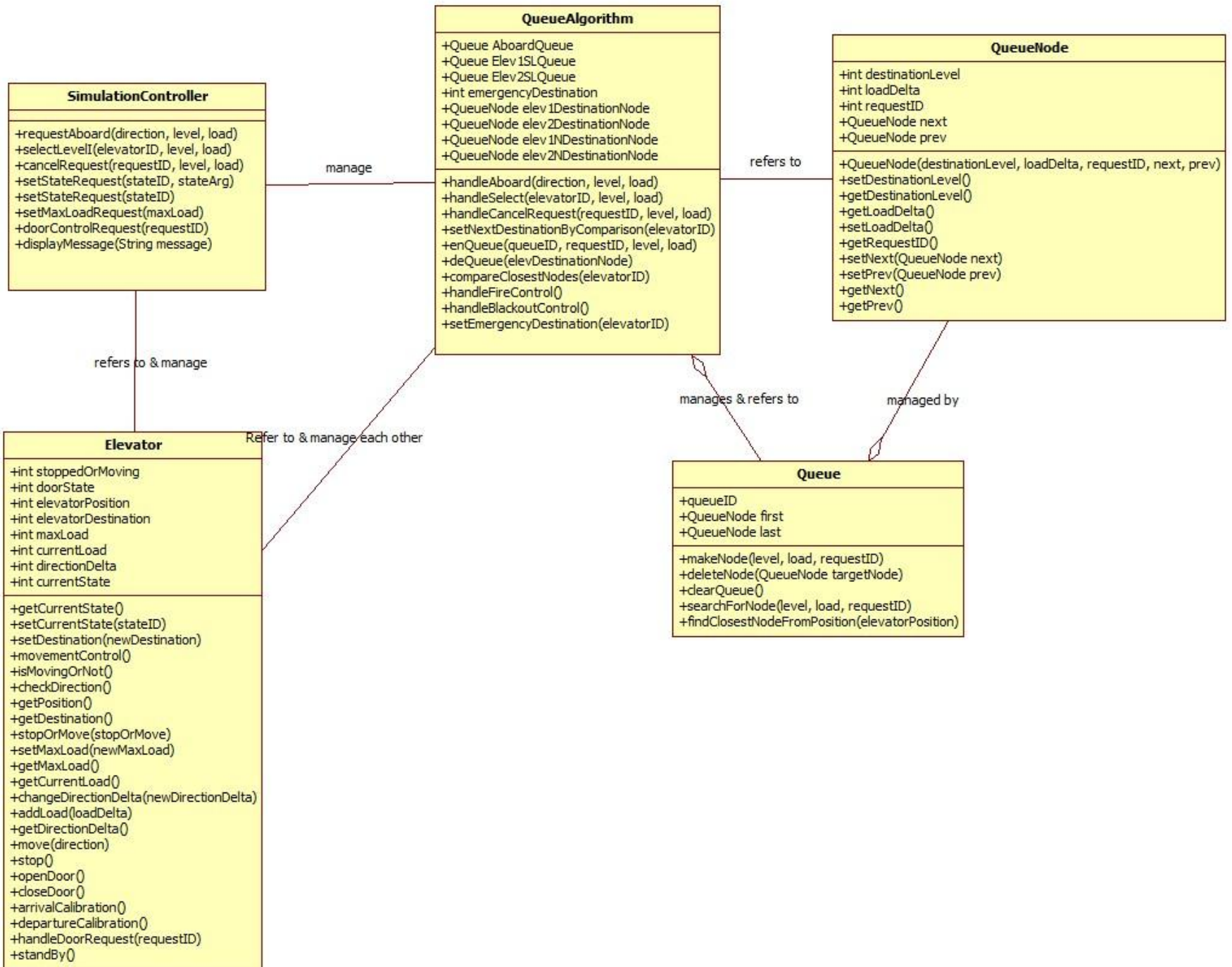


The Result of Our Sequence Diagram
 Contains all necessary variables, operations
 that we deemed necessary for functionality



Class Diagram





Ending Remarks

Sequences Were Made, Class Diagrams Were Had.

Ending Remarks



Possible Risks

Over-simplification of operations

Unintentional bundling of different functions

Encapsulation gone wrong

Irreversible design flaw

Ending Remarks



To-Dos

Actual Code Implementation

Assess for Any Unaccounted Necessary Operations

Possible Document Revisions

Ending Remarks



That is all.