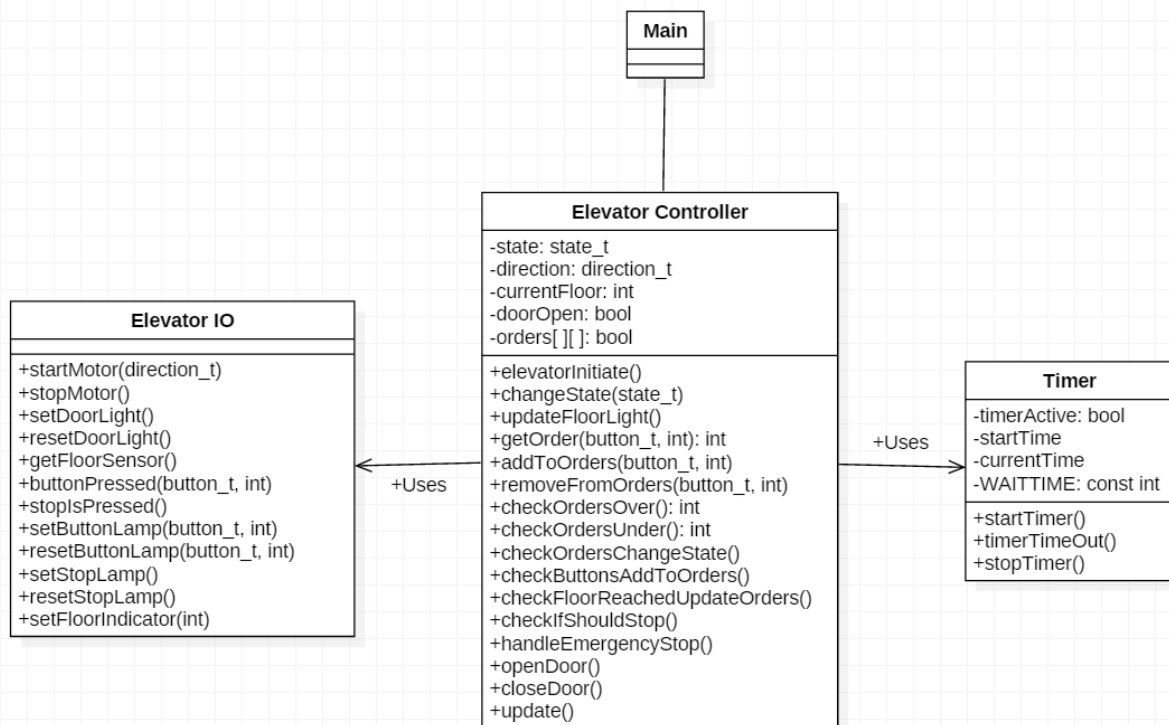
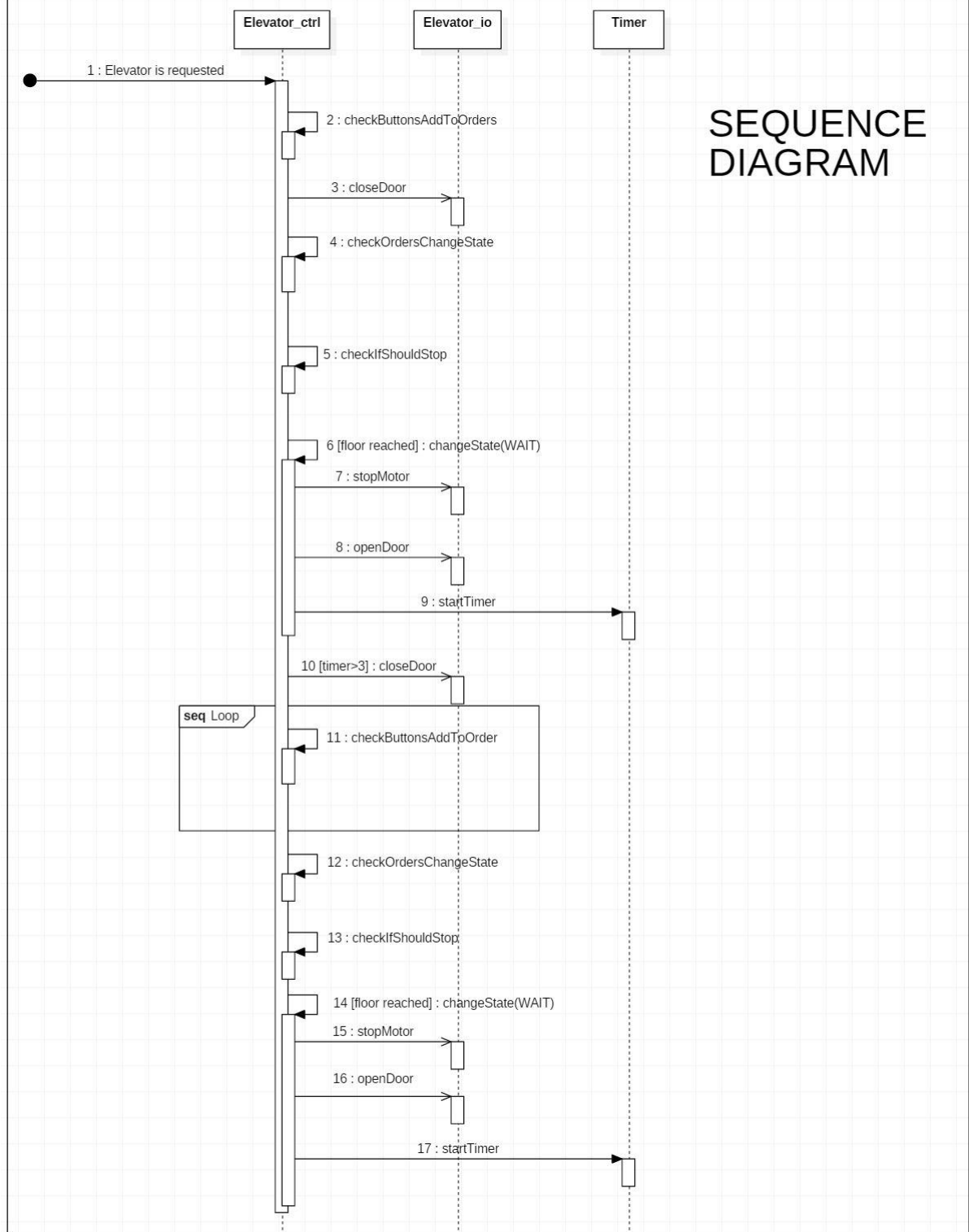


# CLASS DIAGRAM





## Påkrevd scenario

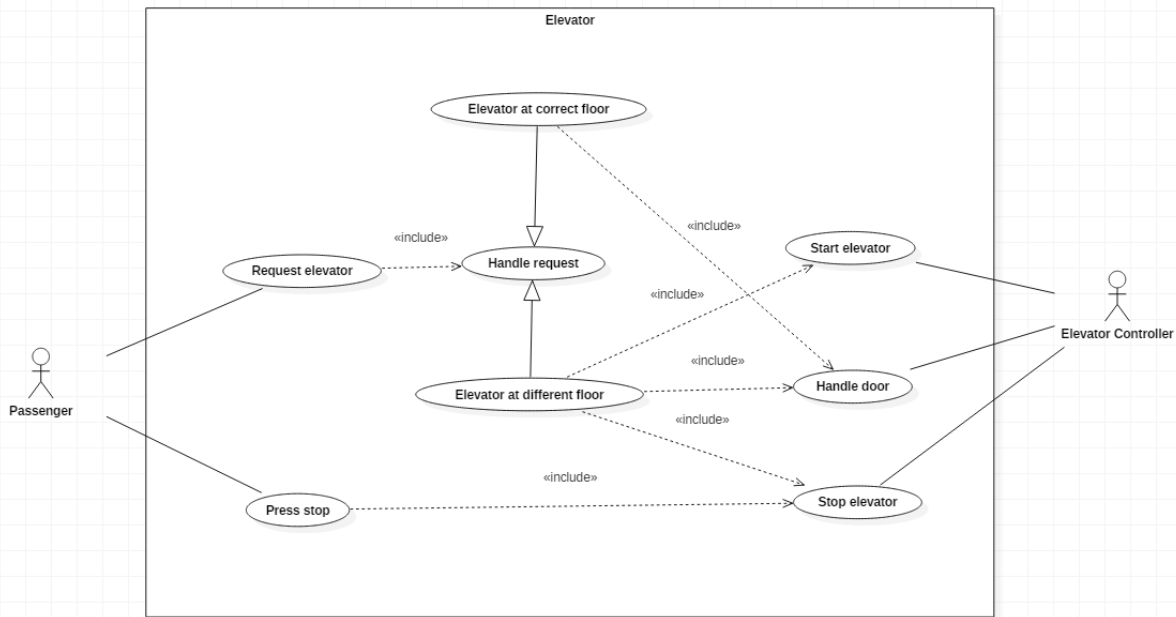
- Heisen står tom og stille i 2. etasje med døra åpen
- En person signaliserer fra 1. etasje at hun ønsker transport oppover
- Når heisen kommer, bestiller hun transport til 3. etasje
- Scenariet avsluttes når heisen befinner seg i 3. etasje og heisdøra åpnes
- For enkelhets skyld antar vi at ingen andre personer interagerer med systemet i løpet av dette scenariet.

(Comment: Sequence diagram scenario is a slightly generalized version of the required scenario)

## Sequence diagram scenario:

- Door closes
- Elevator goes down
- Check if elevator should stop
- Requested floor reached
- Door opens
- Door closes (after three seconds)
- Check for incoming orders
- Elevator goes up
- Requested floor reached
- Door opens

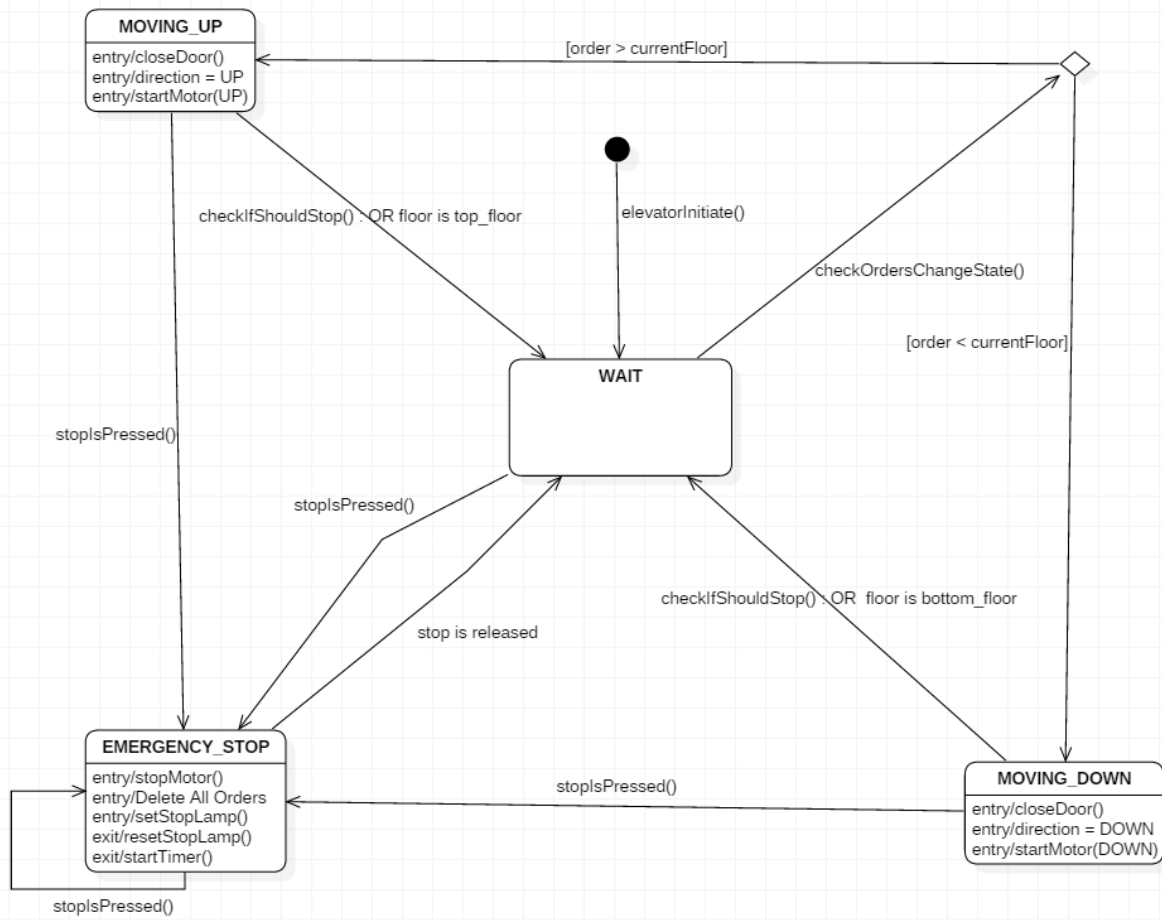
# USE CASE DIAGRAM



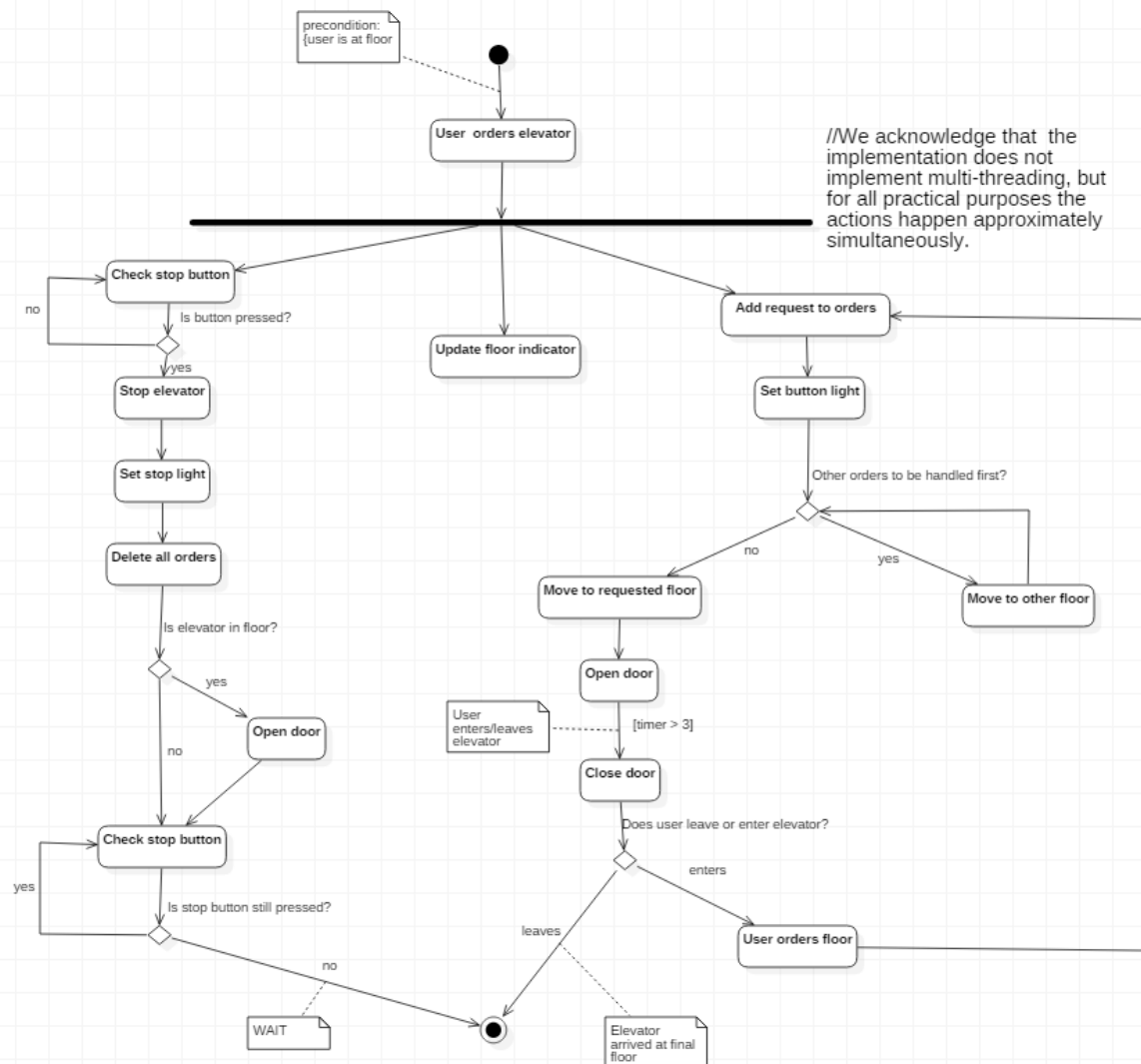
## Use case scenario: user inside elevator

1. User requests floor
2. Elevator goes to requested floor
3. Door opens for 3 seconds
4. Door closes
- 1a: User presses emergency stop
  - .1: Elevator stops
  - .2: Door opens
- 1b: User request multiple floors
  - .1: Add floor to queue
  - .2: Continue

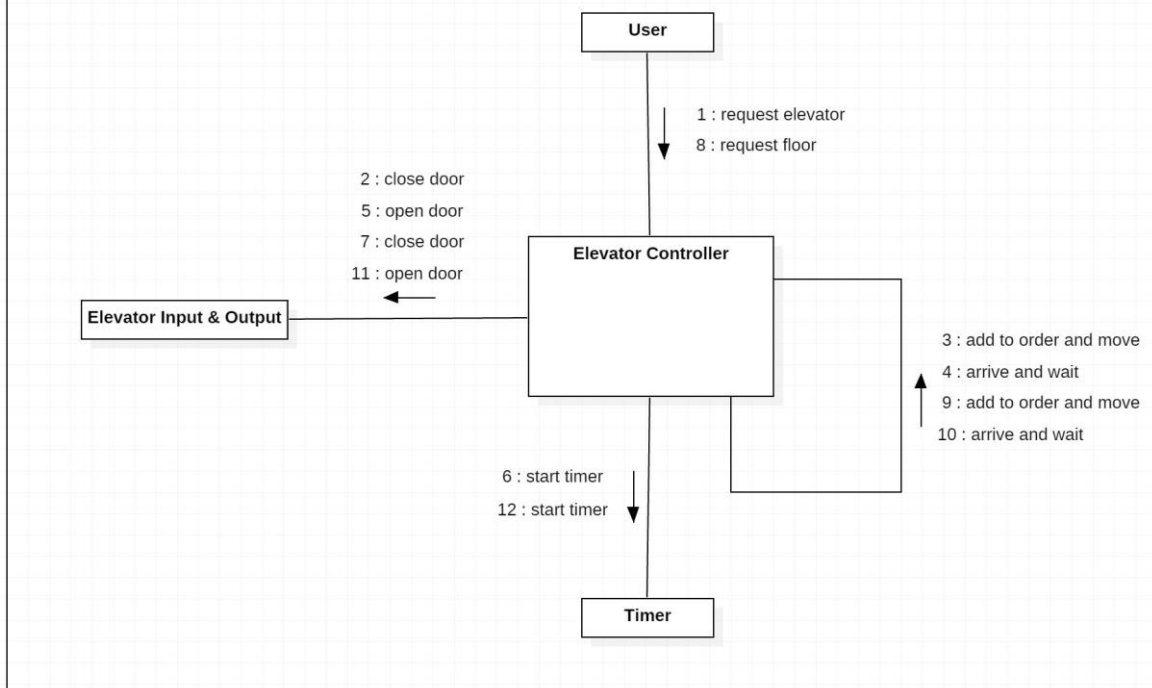
# STATE MACHINE DIAGRAM



# ACTIVITY DIAGRAM



# COMMUNICATION DIAGRAM



## Timing Diagram

