## .

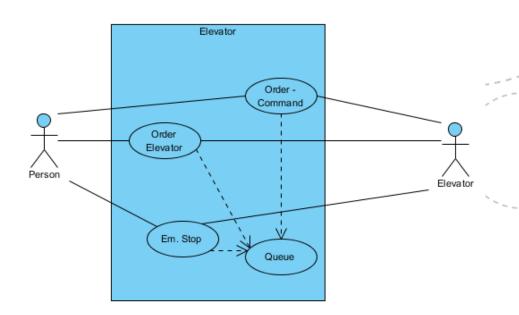
# Heisprosjekt

Presentasjon av dokumentasjon



### Use case

- Pre-condition
- Sucsess-scenario
- Expansions
- Success guaranty
- Minimal guaranty





## Use case

- Pre-condition
  - Power on
  - At a floor
- Trigger:
  - User order a floors from outside panel
- Success-scenario
  - 1. Move elevator
  - 2. Stop elevator at ordered floors
  - 3. User order wanted floor from inside panel
  - 4. Move elevator
  - 5. Stop elevator at ordered floor



## Use Case 2

#### Expansions

- **-** 2
- 2.a Stop button pressed
- 2.b Jump to 5
- 4
- 4.a Stop button pressed
- 4.b Stop elevator
- 4.c Wait for order from innside panel
- 4.d Jump to 4



## Use case 3

- Sucess guaranty:
  - Power on and program running
- Minimal guarany:
  - Elevator stops on a floor



## Class diagram

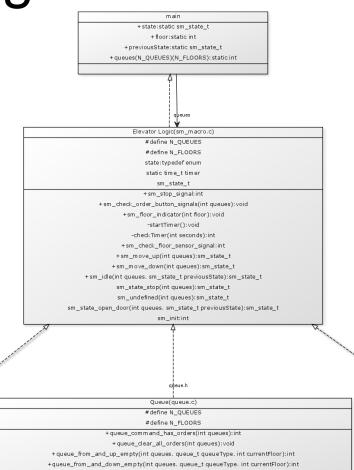
Elevator Control(elev.c)

+elev\_set\_motor\_speed(int value):void

+ elev\_get\_obstruction\_signal: void

+ elev\_get\_floor\_sensor\_signal: void

+elev\_init:int



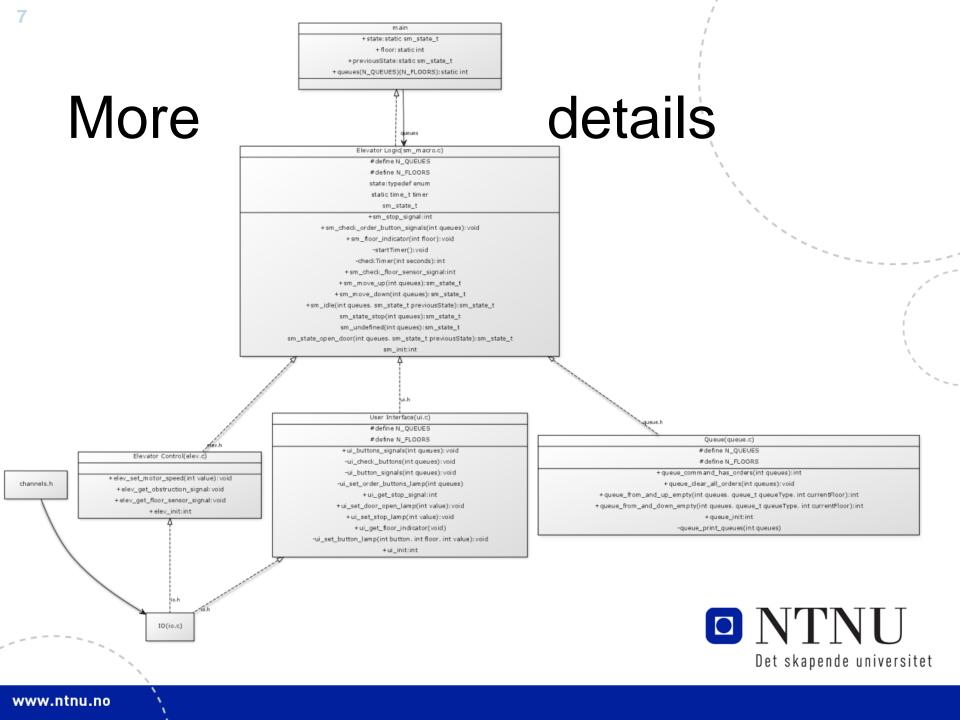
-queue\_print\_queues(int queues)

-ui\_check\_buttons(int queues):void
-ui\_button\_signals(int queues):void
-ui\_set\_order\_buttons\_lamp(int queues)
+ui\_get\_stop\_signal:int
+ui\_set\_door\_open\_lamp(int value):void
+ui\_set\_stop\_lamp(int value):void
+ui\_get\_floor\_indicator(void)
-ui\_set\_button\_lamp(int button. int floor, int value):void

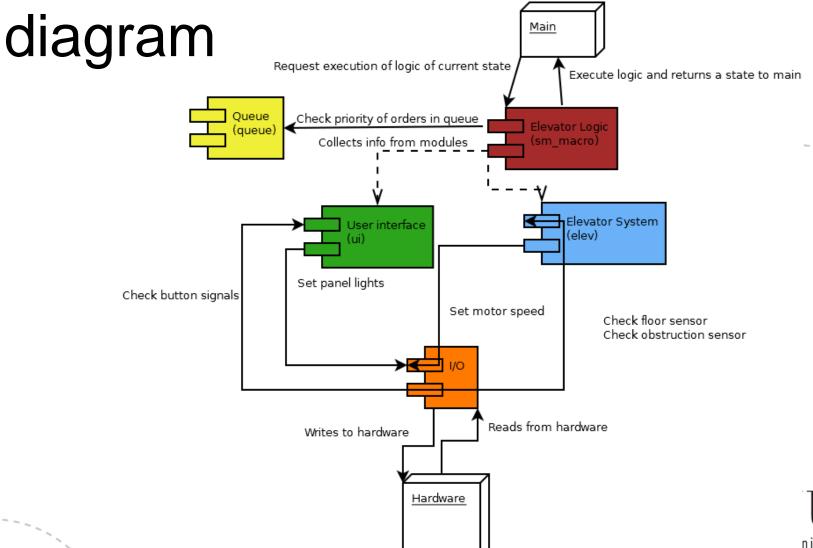
User Interface(ui.c) #define N\_QUEUES #define N\_FLOORS

+ui\_buttons\_signals(int queues):void

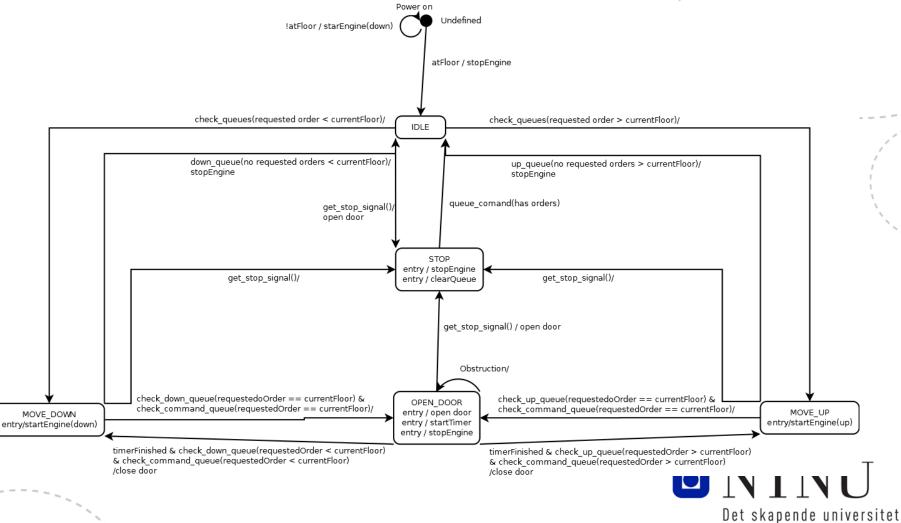
Det skapende universitet



Overview communication



# Tilstandsdiagram



# Tilstandsdigram 2

