Project

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# CLI status window

### LCD Display
- current lvl
- direction :

| • opening door(msg)
| • close door(msg)

### main interface
→ up & down buttons
→ when inside the elevator each floor is listed
→ commands
    → simulate user events
    → simulate events inside elevator
    → maintenance mode.

Lvl

(5d) ☐ 5

(4d 4u) ☐ 4

(3d 3u) ☐ 3

(2d 2u) ☐ 2

(1u) ☐ 1

LED

! emergency button

↑
external
interrupt

# Elevator Control System

- Move Car to Correct floor
- minimize travel time

# Selective Collective Operation

decides shortest path
↳ returns elevator to home

decides shortest path

returns elevator to home

Controller

open-door button → inputs
emergency button ↑
CLI → floor Request buttons
buttons for each floor

outputs → LCD display → Current floor
direction
→ LEDs