

# 10,000 Floors Elevator Design

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## Floor Indicator - Inside & Outside Elevator



This display shows the direction the elevator is travelling in and the floor that it's currently on. Both outside and inside of the elevator, this big display allows for easy viewing of the status of the elevator.

## Floor Selection Panel - Outside Elevator



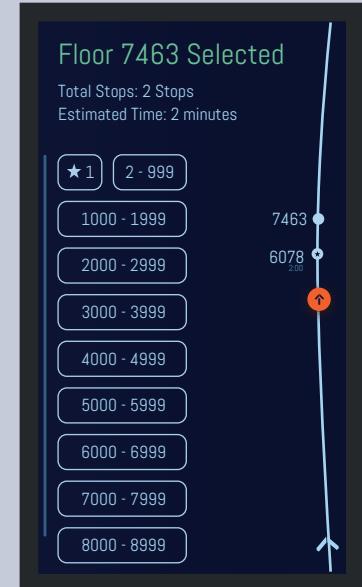
Select Floor Group



Enter Floor Number



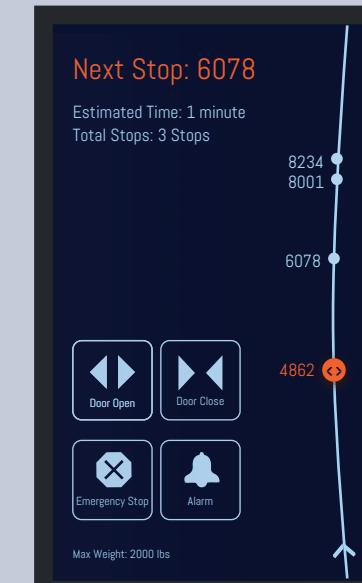
Select Floor Number



View Elevator Status

The user must select their desired floor before getting on the elevator. Using this panel they can not only select a floor, but they can also view the status of the elevator: which direction it's moving in, if it's stopped on a floor, when it's moving and once a floor is selected, time to the user's floor and all other floors selected.

## Floor Display Panel - Inside Elevator



Inside the elevator, there will be a floor indicator to the left side of the door as well as a floor display panel underneath it. The floor display panel is a modified version of the floor selection panel. You can view status of the elevator, all floors selected, time to floors, as well as a few buttons including door open, door close, emergency stop and alarm. The panel does not allow users to select a floor

## Feedback

### Visual Cues:

- The icon ↑ is displayed when the elevator is moving, and the icon ⇄ is displayed when people are getting on or off
- User can see the status of the elevator by looking at the real-time map on the right visible on all the screens
- When a user selects a button, the color changes from blue to orange
- When a floor number is invalid or no numbers are inputted, the select button will be grayed out. Once a valid floor number is inputted, the button will become active again.

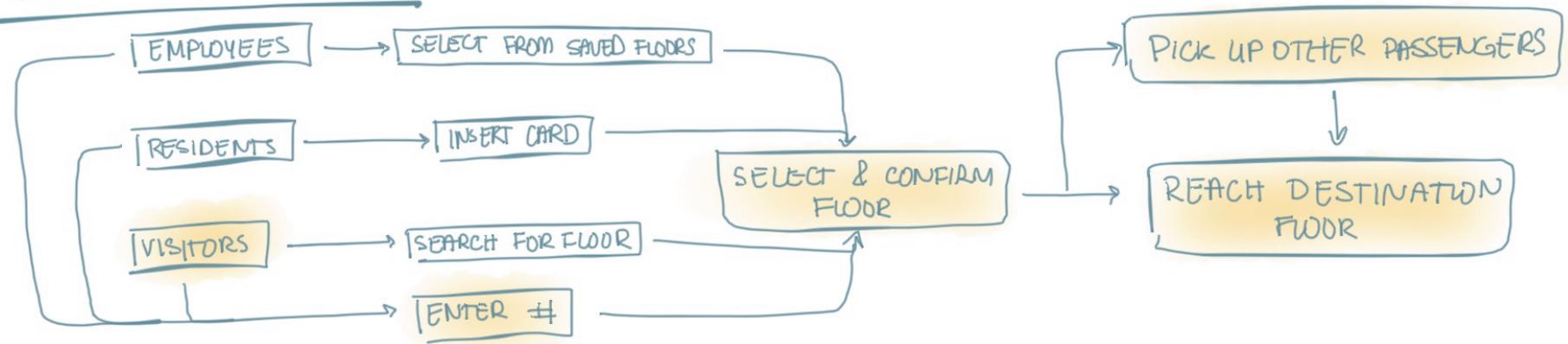
### Auditory Cues:

- There will be a small click every time a user selects a button
- Once a floor is selected, confirmation will be announced as well as displayed on the screen
- A ding will announce the arrival of the elevator on the floor for people waiting to get on
- The floor the elevator is stopping at will be announced for people on the elevator

# Sketches

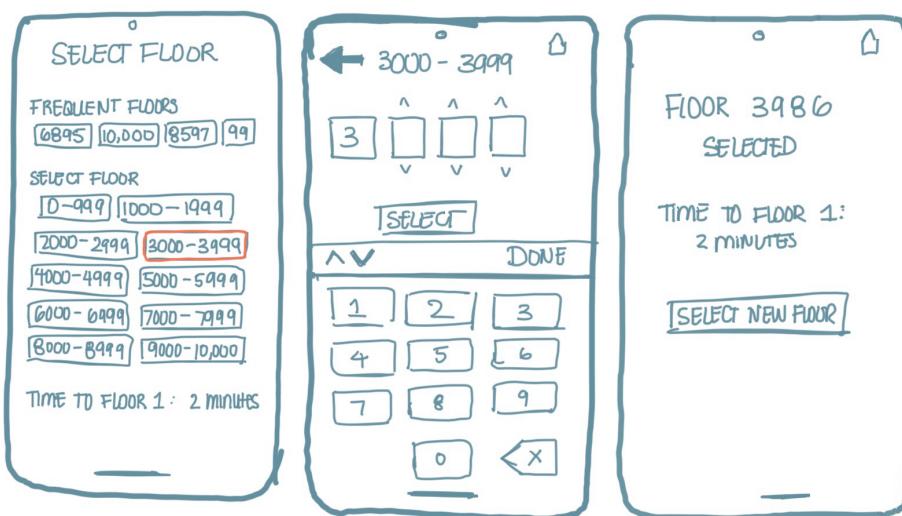
## USER FLOW -

### SCOPE

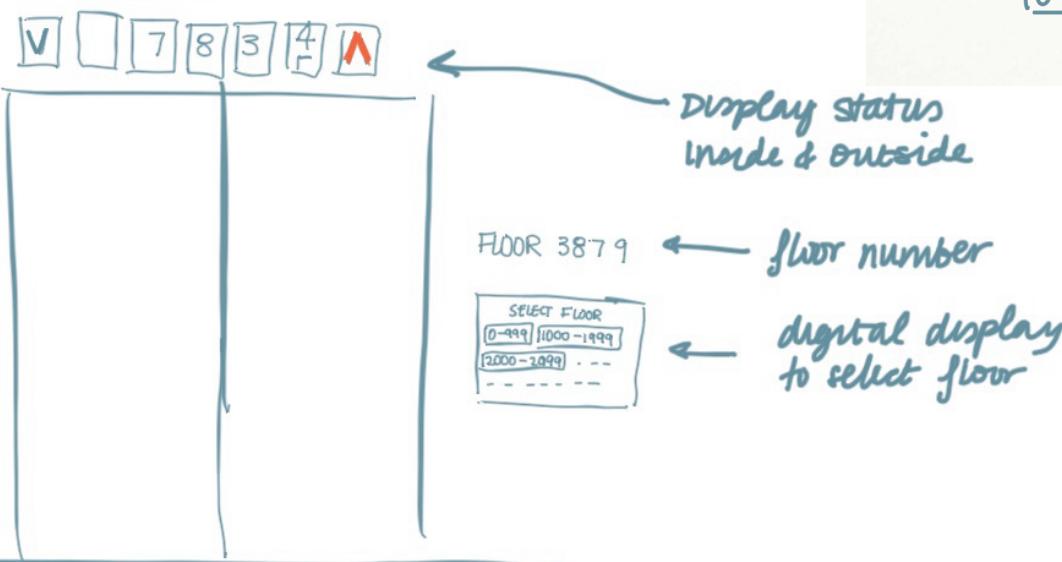


## ELEVATOR REQUIREMENTS

- INPUT FLOOR #
- STATUS OF ELEVATOR (DIRECTION, STOPS, TIME)
- STANDARD BUTTONS
  - DOOR OPEN
  - DOOR CLOSE
  - EMERGENCY STOP
  - ALARM



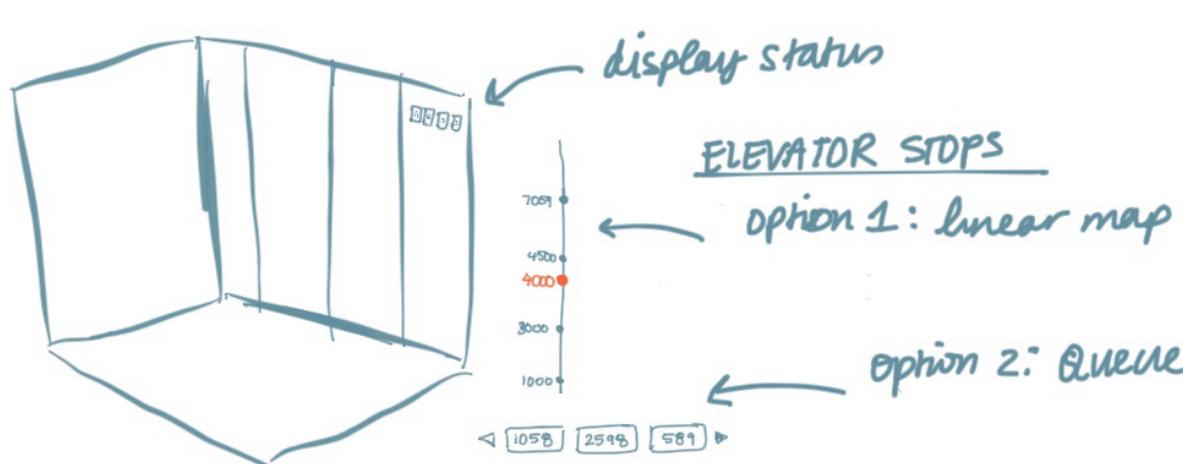
## STATUS OF ELEVATOR



display status  
inside & outside

floor number

digital display  
to select floor



display status

ELEVATOR STOPS

option 1: linear map

option 2: Queue

