FIRST 10

10 elevators exercise

Subject :   Date:

(1)
ETA of elevator
ETA to floor
Physical buttons

→ entered floor (display)

| ### ### | ##### | # | → status |

① ① ③ ④ ⑤
⑥ ⑦ ⑧ ⑨ ⑩
⑨

(2)   ✗✗ (All touch screen)

1) Initially select 100 interval
2) Select 10 interval
3) Select exact floor
→ Current floor highlight
4) When floor selected, ETA display

(3)
876 → Shows current floor
1) App on phone to select floor
2) Tap central panel
3) When tap → ETA

(4)
name ETA
↑   ↑
~~~~~ ##   Text your floor request to the system
~~~~~
~~~~~
→ status

(5)
< ## >   scroll through a carousel to select your floor and only see status when you pass it in the list

worst

(6)
① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
ETA ⑩ status
display

Physical buttons and see ETA in bottom left display

(7)
Status
| a | s | d | f | ... | | | | | |

1) type name of person/dept you are going to
2) When enter → status becomes ETA

(8)
🌐 Status
mic (think drive through)
1) Say floor, name/dept
2) Status ⇒ ETA

(9)
👁 Camera uses face recognition to determine the floor you work on & texts you your ETA

(10)
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | screen, not physical
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32

- list all floors - status highlighted
- time appears when floor selected

Criteria

- **Fast**: Considering the size of this building, it is safe to assume that a lot of people will be waiting for the elevator. Therefore, the user experience would not be optimal if it takes a long time for each user to enter their destination and get the information they need.

- **Durable**: As mentioned above, a lot of people will be using this product all day, every day. Thus, if it is not made of durable products, it is likely the product will break down during a rush and need continuous maintenance which will cause frustration to the user and increase costs for the owner. Minimizing moving parts is a good way to increase durability.

- **Accessible**: This building probably houses millions of people with different backgrounds. It is essential for the product to be inclusive accessible to everyone to provide a positive customer experience and to minimize waiting times. Common issues that may be impacted include smaller people who could not reach the panel or blind people who cannot see the display.

- **Simple**: People using an elevator are often in a rush and doing other things at the same time such as reading an email on their phone. They might also have their hands full. Therefore, the process needs to be as simple as possible to reduce waiting times.

Second 10 sketches

Second 10

①

| Status |

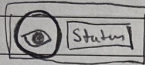1) Tap smartwatch on NFC reader
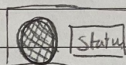
2) ETA is displayed on watch

②

| Status |

1) Text floor to phone number

2) System answers w/ ETA

③

| 👁 | Status |

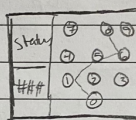1) Camera constantly looking and texts you your ETA when recognizes you

④

| 🌐 | Status |

1) Say your floor

2) Speaker answers w/ ETA

⑤

| STATUS |
| 9000-10000 |
| 8000-9000 |
| 7000-8000 |
| 6000-7000 |
| 5000-6000 |
| 4000-5000 |
| 3000-4000 |
| 2000-3000 |
| 1000-2000 |
| 00-1000 |

1) Enter interval w/ your floor

2) Numbers update to narrow down to your floor (4 clicks)

3) Status updates with ETA

4) Display is reset

⑥

Status

###

1) Use swype motion to enter your # faster (## displayed as you go)

2) ## changes to ETA

⑦

9	6	3	Status
8	5	2	0
7	4	1	stand

(ideal for hands full)

1) Stand on the sign and tap the numbers of the floor

2) Status updates to ETA

⑧

NO CONTROL PANEL

everything is done through an app so there are nothing to maintain and everyone can enter at the same time
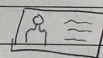
⑨

| Current Floor |
| STOP |

1) No need to enter your destination before entering elevator

2) Just stop when you reach destination

⑩

| Status | | 👤 ≈ |

1) Tap ID badge on reader

2) Status updates to ETA