Call elevator

(Button pushed)

1. **Elevator Workflow Diagram**

* 3 elevators
* Number of floors- any
* 1 panel for each floor (Button Up & Down)
* Single elevator can cater multiple passenger but has max capacity

-Jervy G. Umandap

System reads FloorNumber of button\_Pushed

and its direction (Up or Down)

Find nearest elevator

System gets status of elevators

Calculate: (+/-)

E1 = E1\_current\_floor – button\_Pushed\_floornumber

E2 = E2\_current\_floor – button\_Pushed\_floornumber

E3 = E3\_current\_floor – button\_Pushed\_floornumber

Is E1 < E2

Yes No

Is E1 < E3

Is E2 < E3

No No

Yes Yes

Elevator 3

Elevator 2

Elevator 1

Is the elevator direction will pass the floor of button pushed?

No

Yes

Is the elevator moving in correct direction?

No

Yes

Use Elevator

Door Open

Passenger IN/OUT

Is the elevator not full?

No

Yes

Passenger press destination floor

Door close

Elevator moving in correct direction

Is there elevator call?

Yes

No

Elevator moving in correct direction

Is there elevator call?

Door Open

Passenger IN/OUT

Floor reached

Yes

No

**Wait**