

Elevator System - Design && Diagrams

Special class

→ Elevator System Requirement!




(A) multiple lift & floors
↓
3 lift
↓
8 people or 650 Kg

(B) move   idle

(C) door → open → idle

(D) lift → each floor

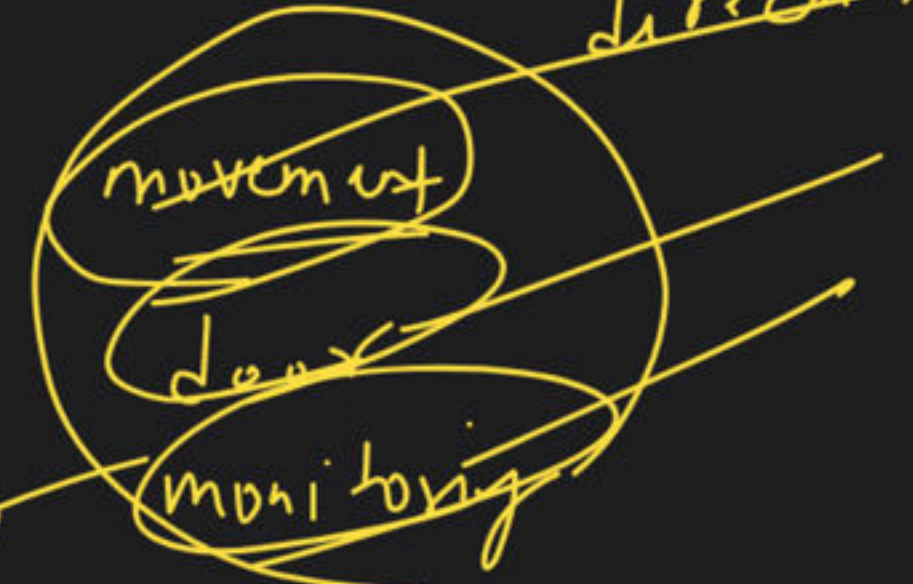
Panel

inside → 1 → 15  
outside → 

Display

inside/outside → Floor no & direction

(E) Elevator system



dispatcher algo

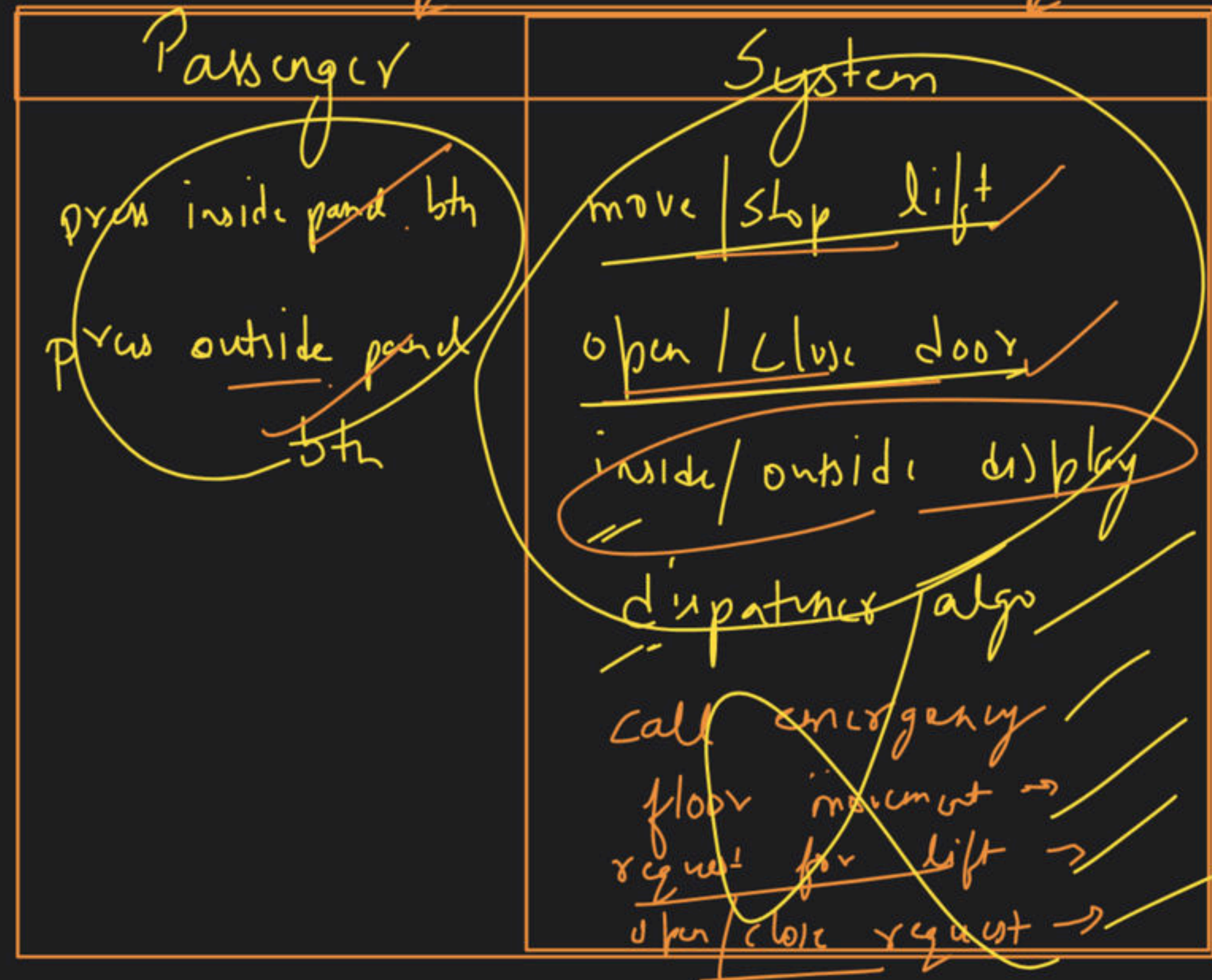
(F) elevator algo - , Optimal algo

Use - Case Diagram

Actor

Passenger

& System or Elevator



generalisation:-

inside panel btn

~~floor request~~

~~door open/close request~~

~~call emergency~~

association

include →

(A) floor request

move / stop lift

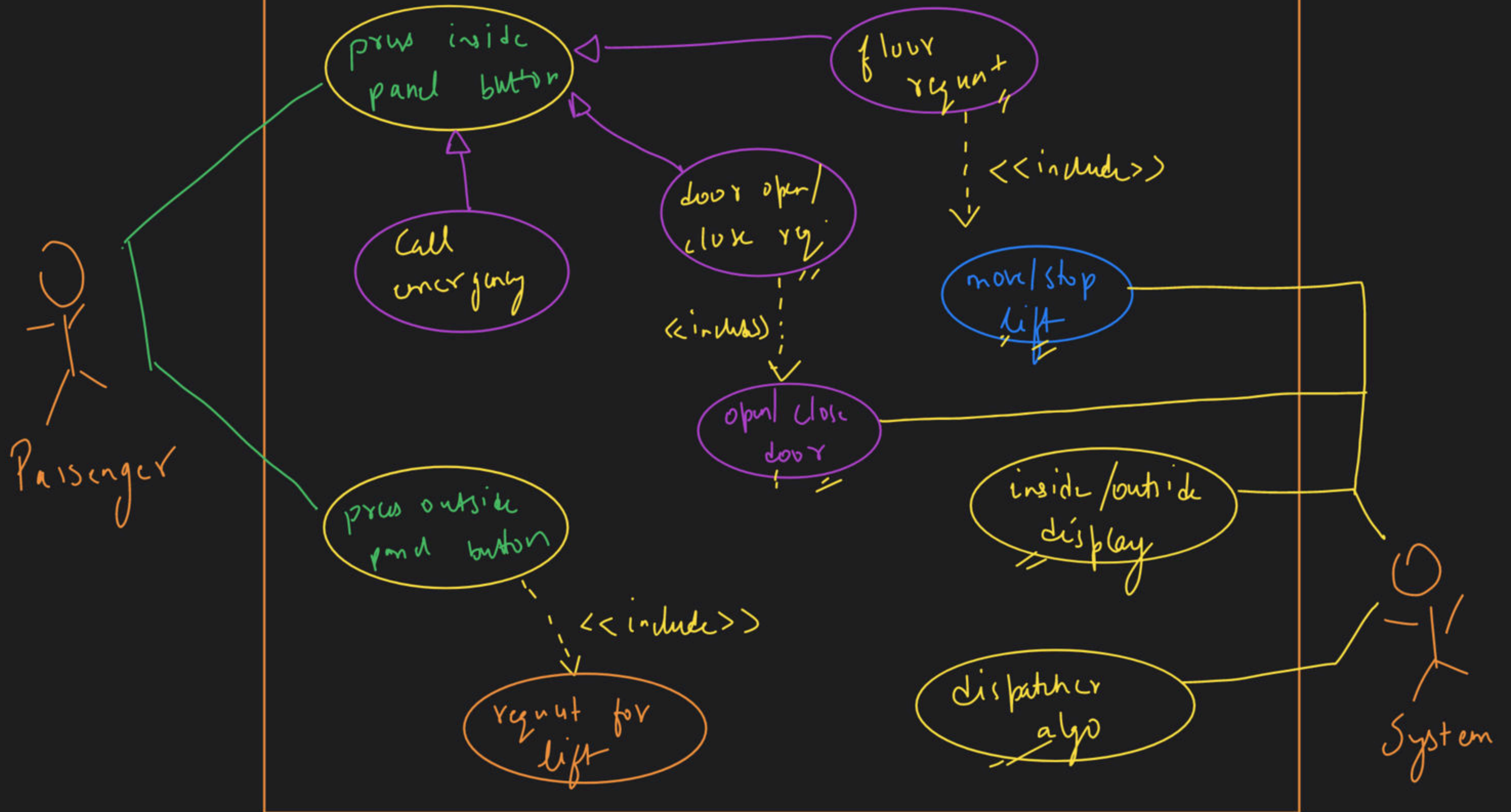
(B) door open/close request

open / close door

(C) outside panel btn

request for elevator

Usc - Car diagram



Class diagram:-

Bottom-Up approach

2min
Obscure



Kal extra
Class → Wed → L.

Use - Case ==
Class ==

review

Tue
Thur
Frid

L.B

Get → doubt

←
Khud se
create

C.D

design pattern

Next
class

→ Relationship → C.D
↓ D.I.P
Code





















































