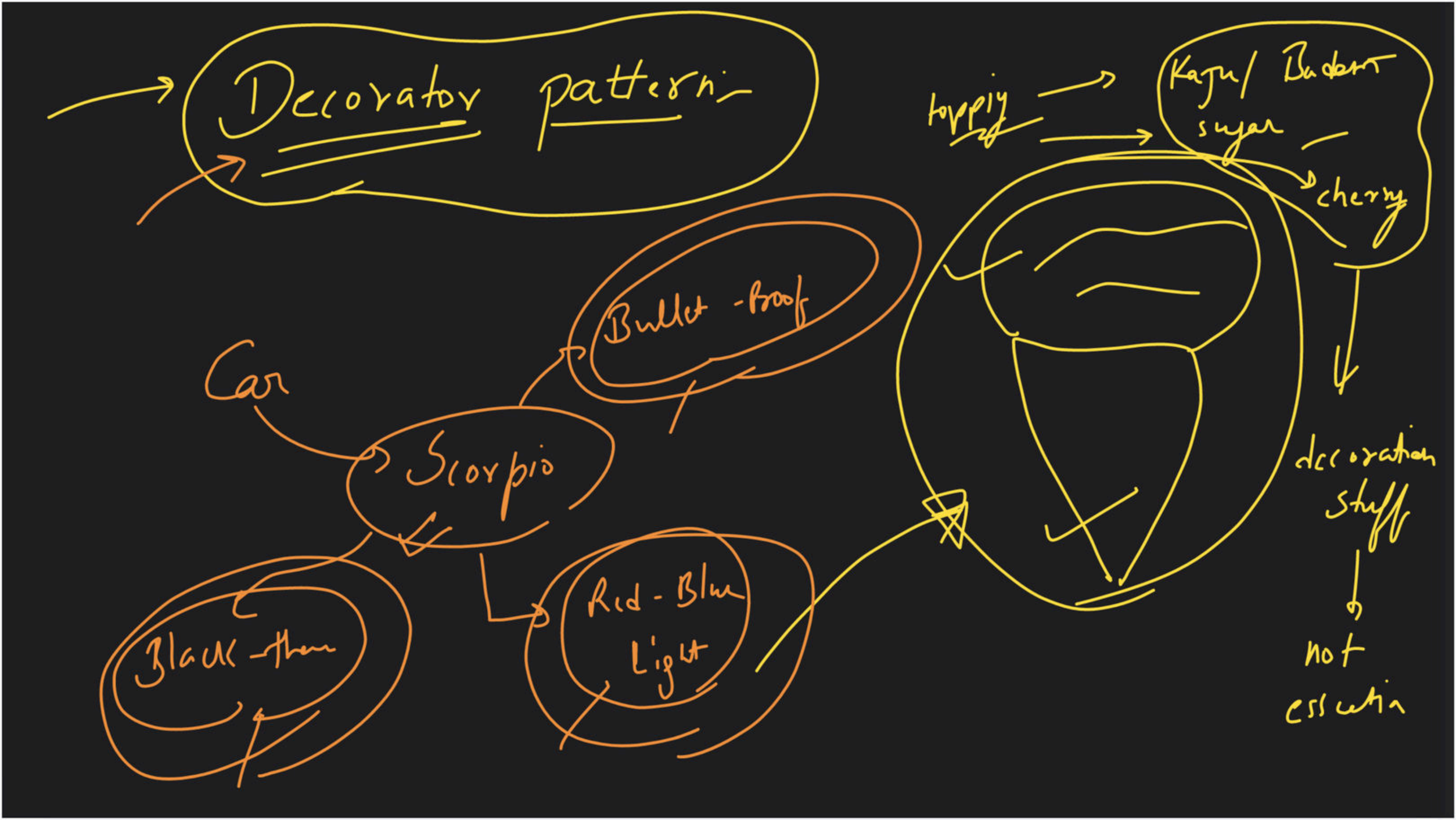
Introduction to Structural Design Patterns, Decorator & Adapter

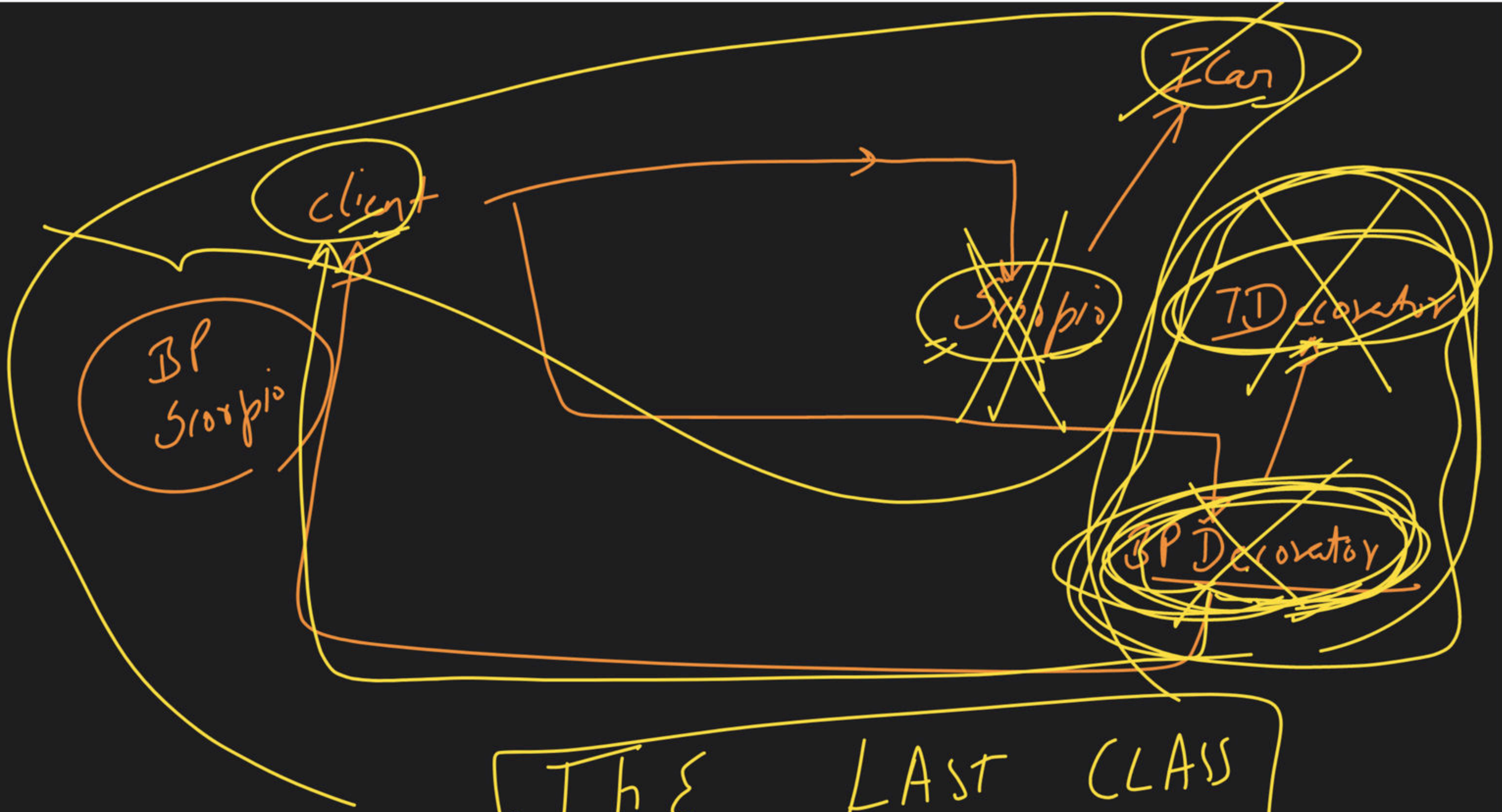
Special class

Love Babbar • Apr 3, 2024

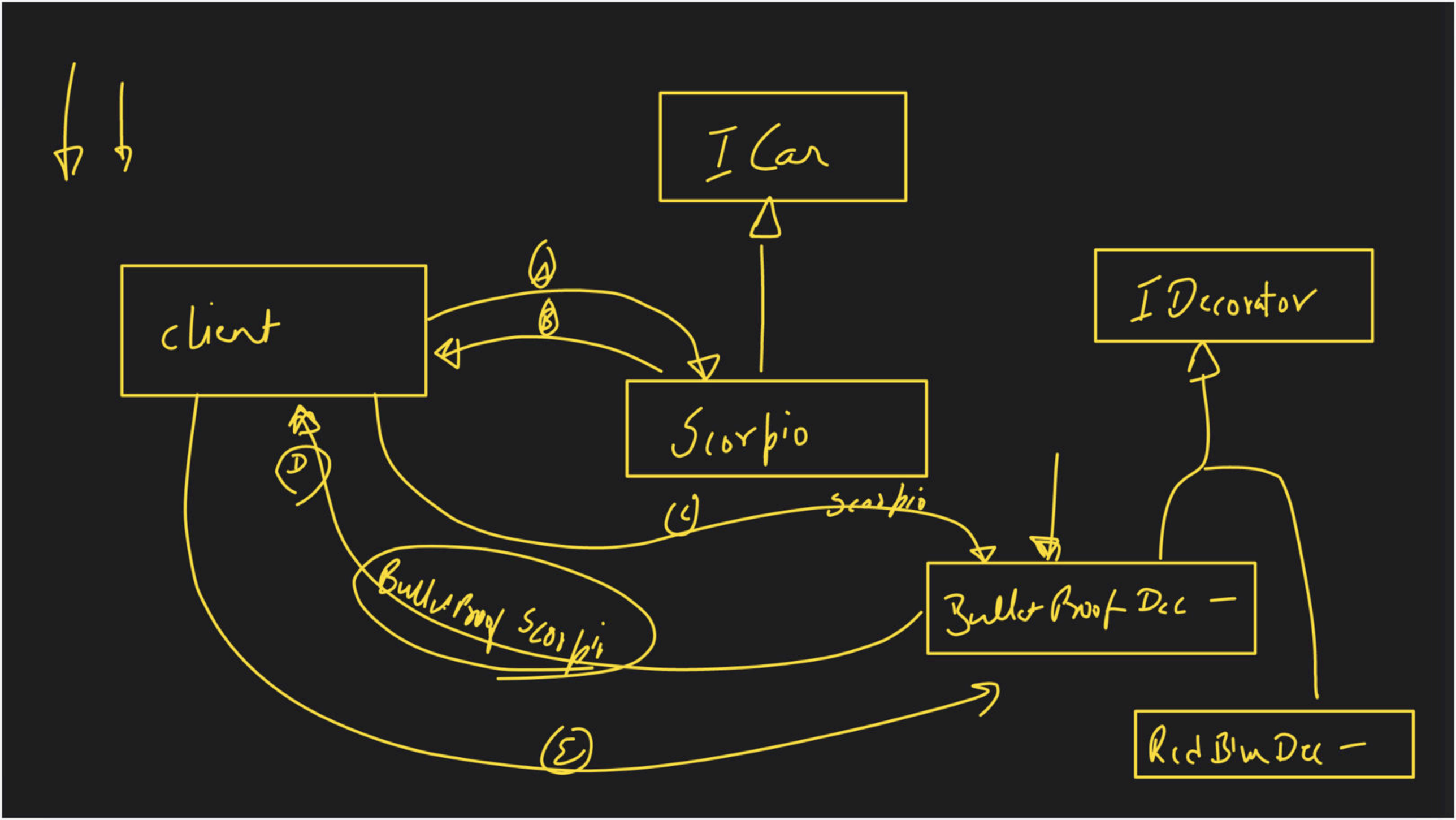
→ Structural Design Pattern:-

focuses on adding new functionality without any need to modify entire system

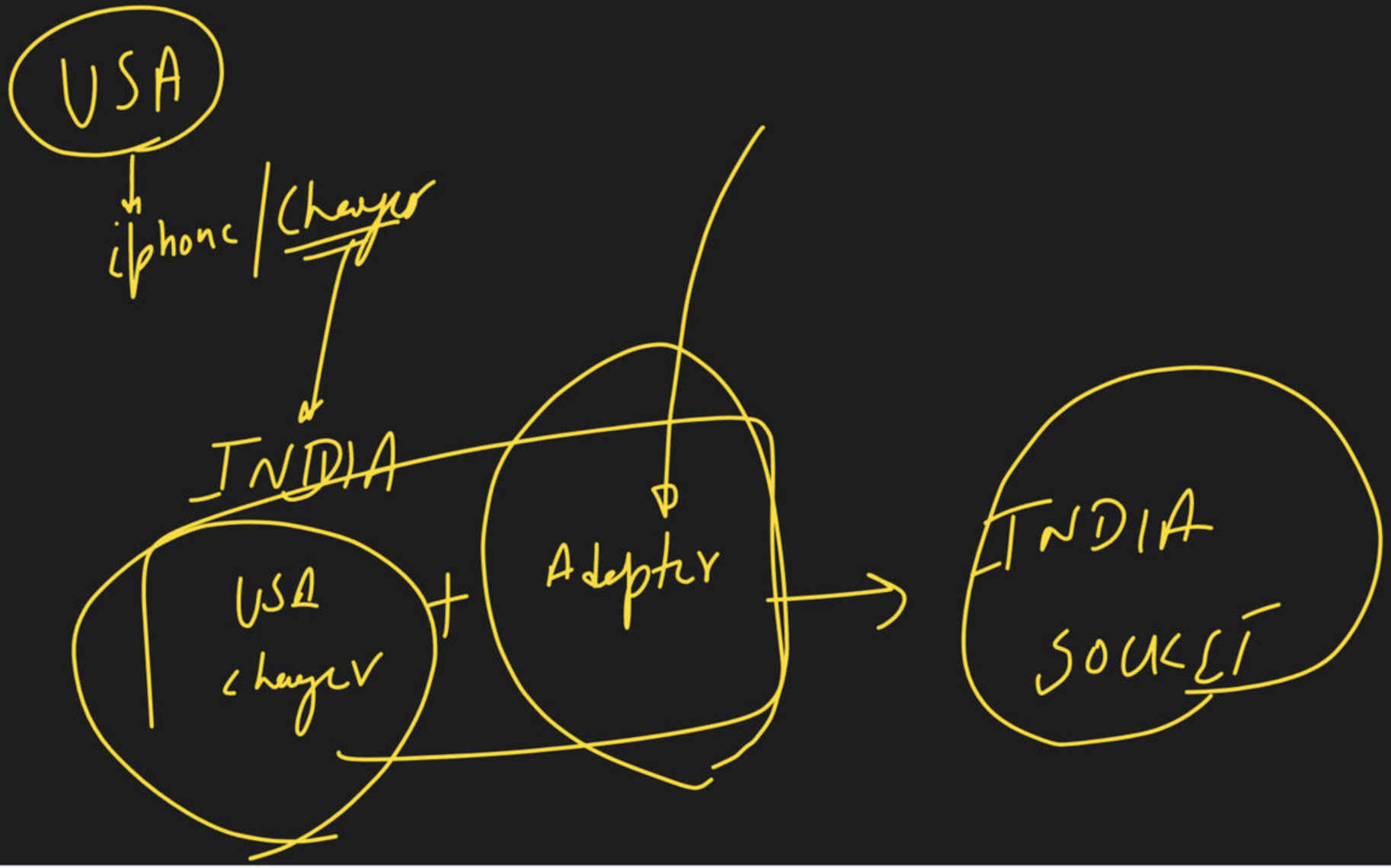

Decorator pattern
Car
Scorpio
Bullet - Proof
Black - them
Red - Blue Light
topping
Kaju / Badam
sugar
cherry
decoration stuff
not

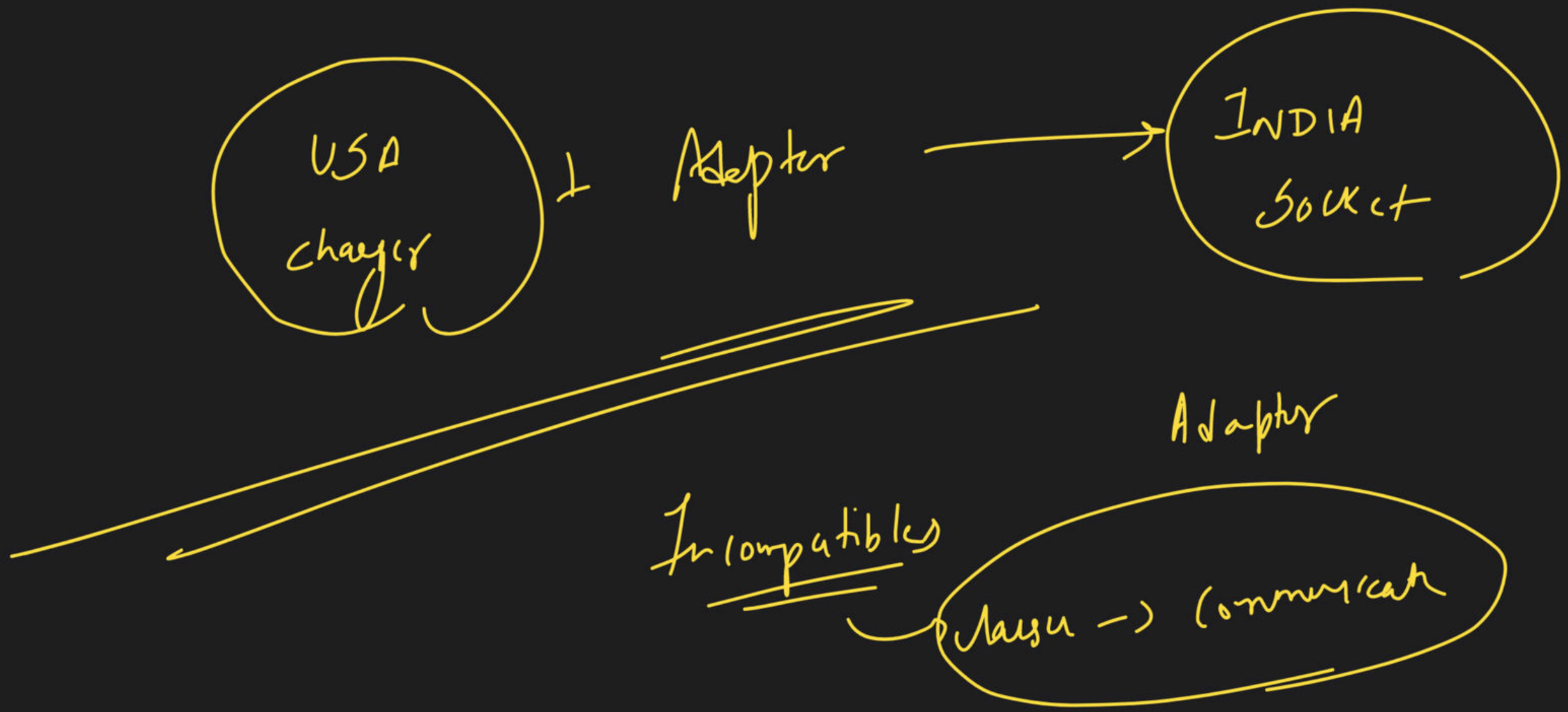


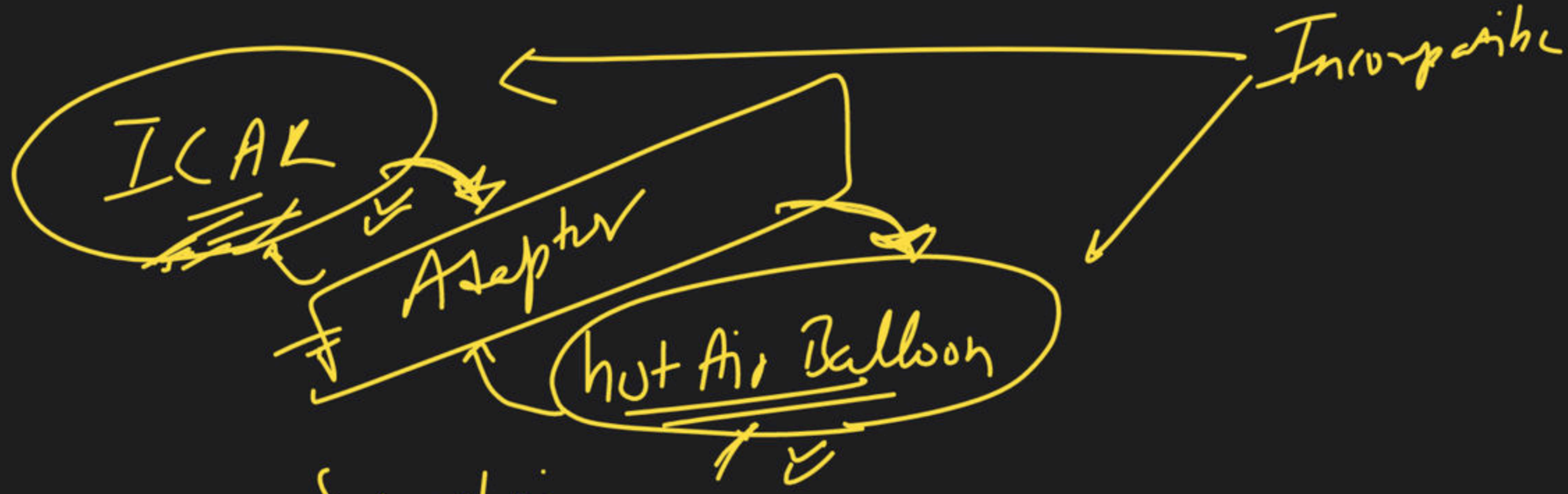
THE LAST CLASS


ICar
client
Scorpio
IDecorator
A
B
C
scorpio
D
BulletProof Scorpio
BulletProof Dec -
E
RedBlue Dec -

Adapter Pattern



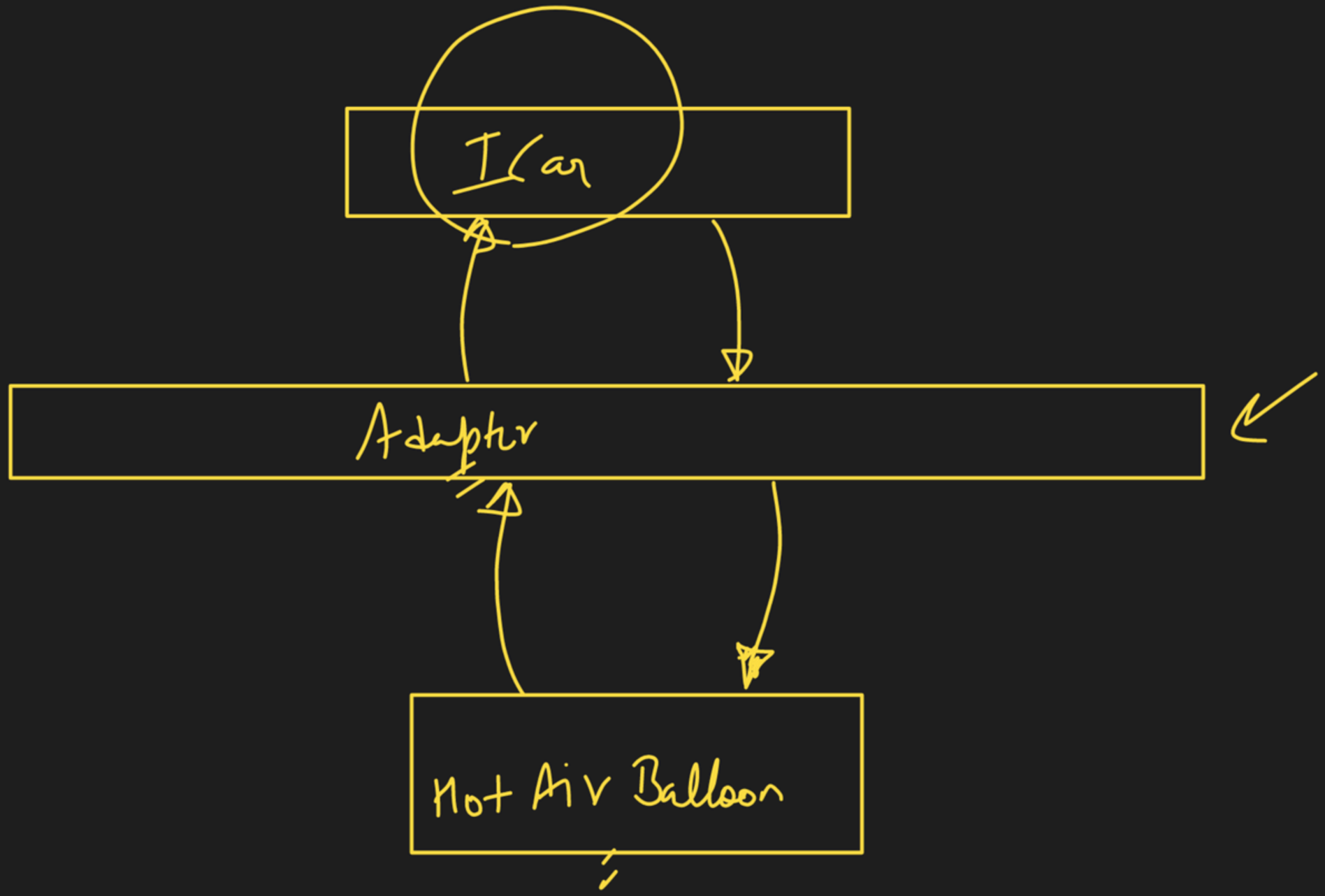

USA
charger
Adapter
INDIA
Socket
Adapter
Incompatible
Class -> Communicate

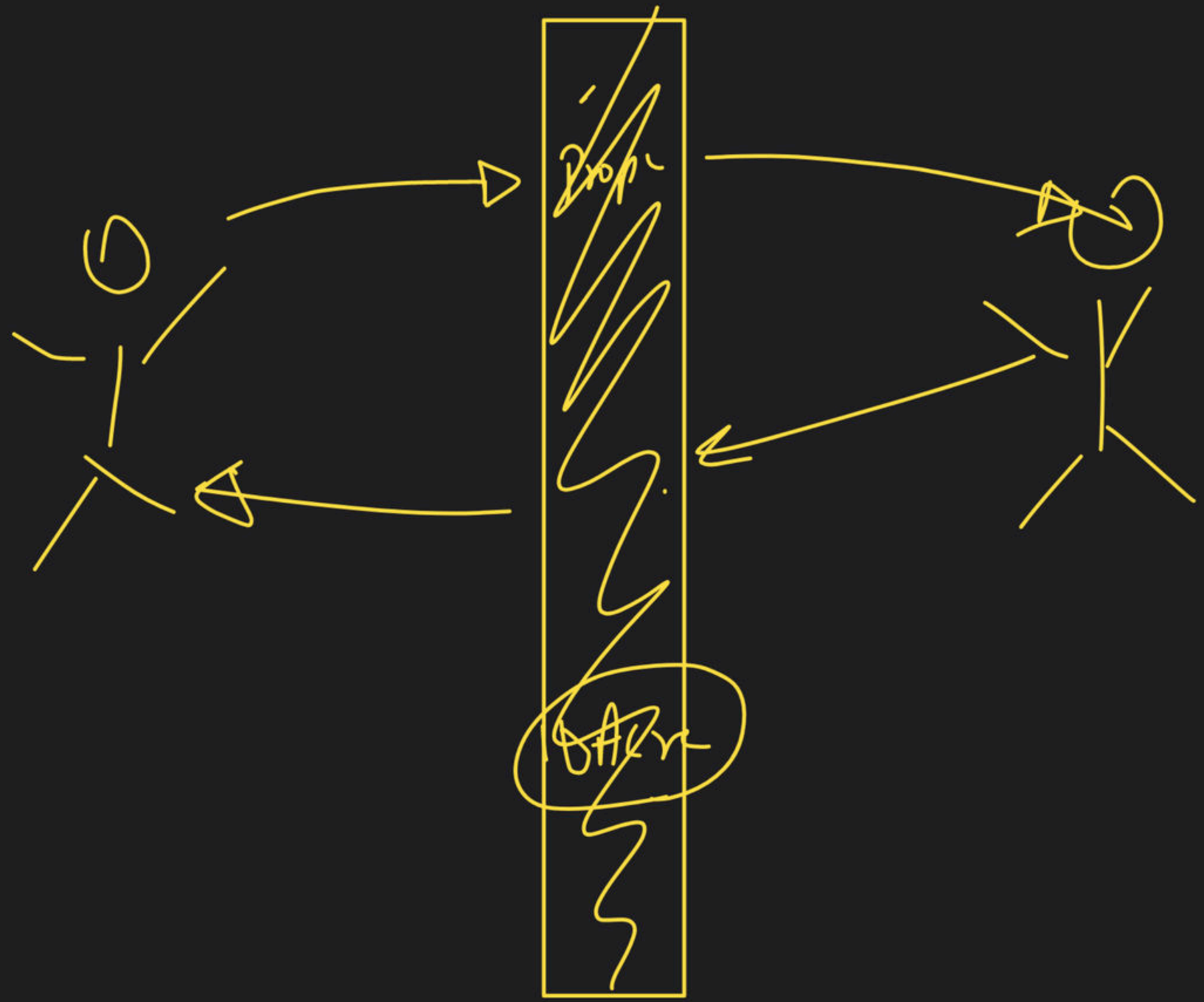


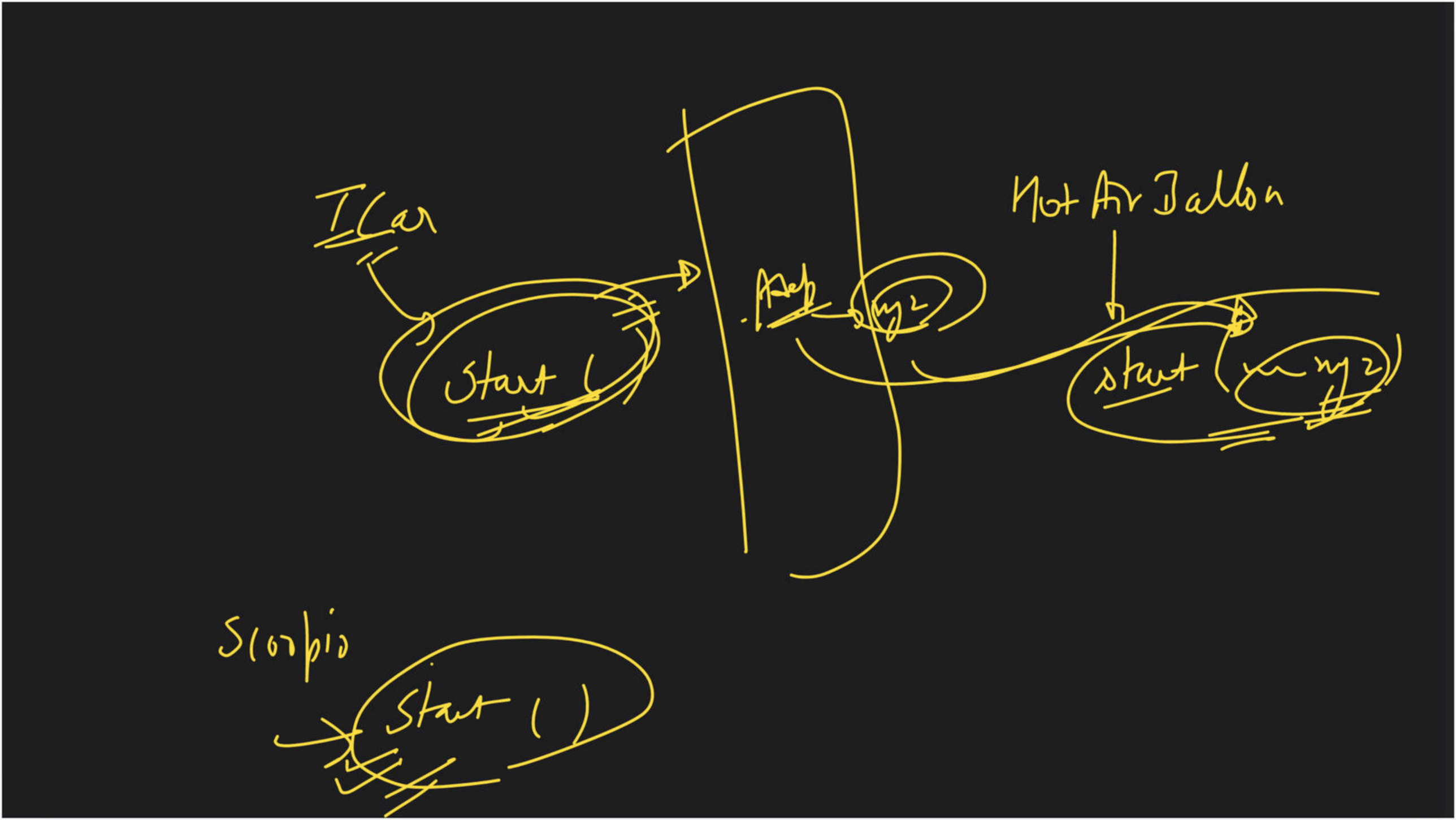
Scorpio

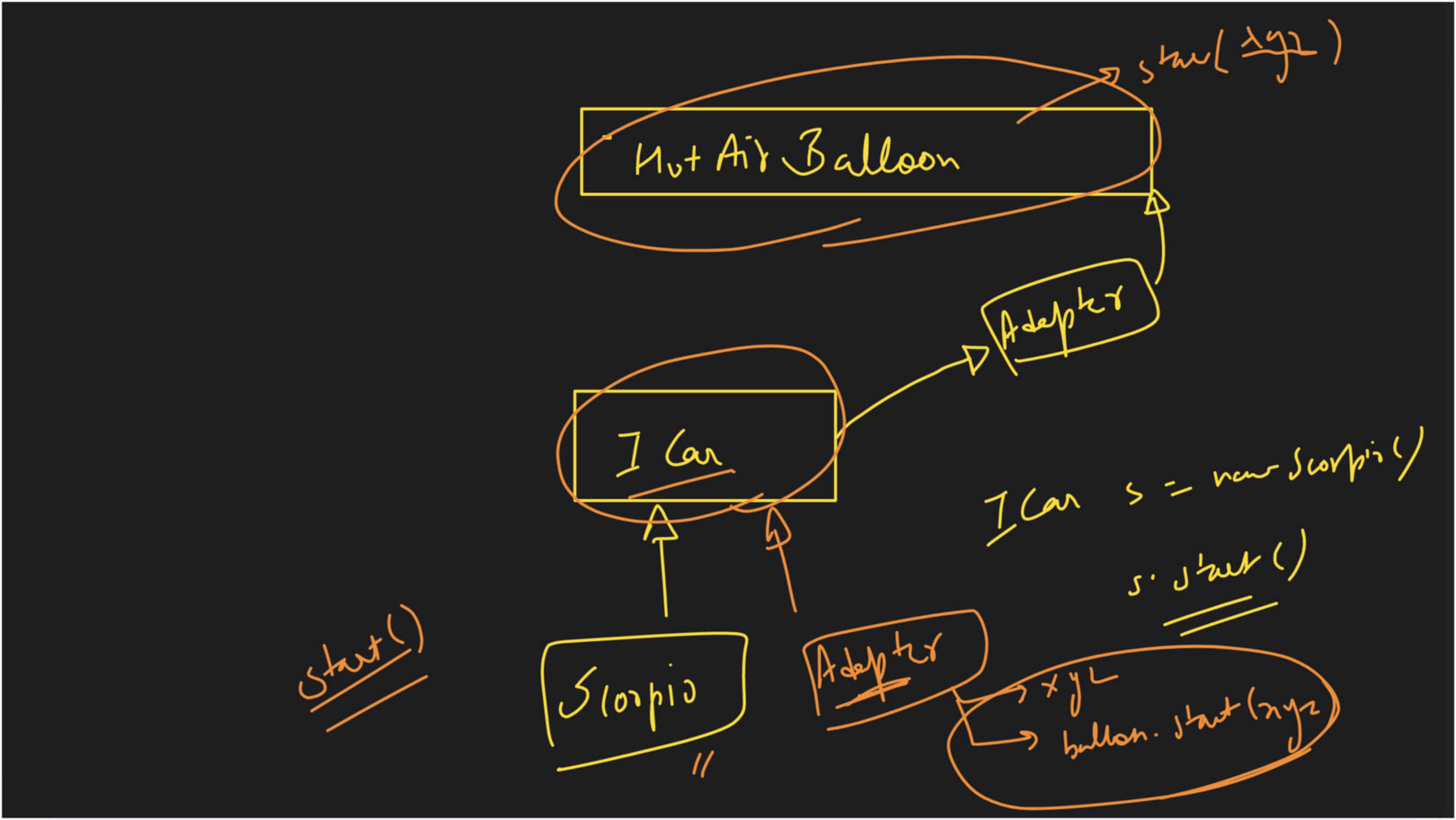
alto

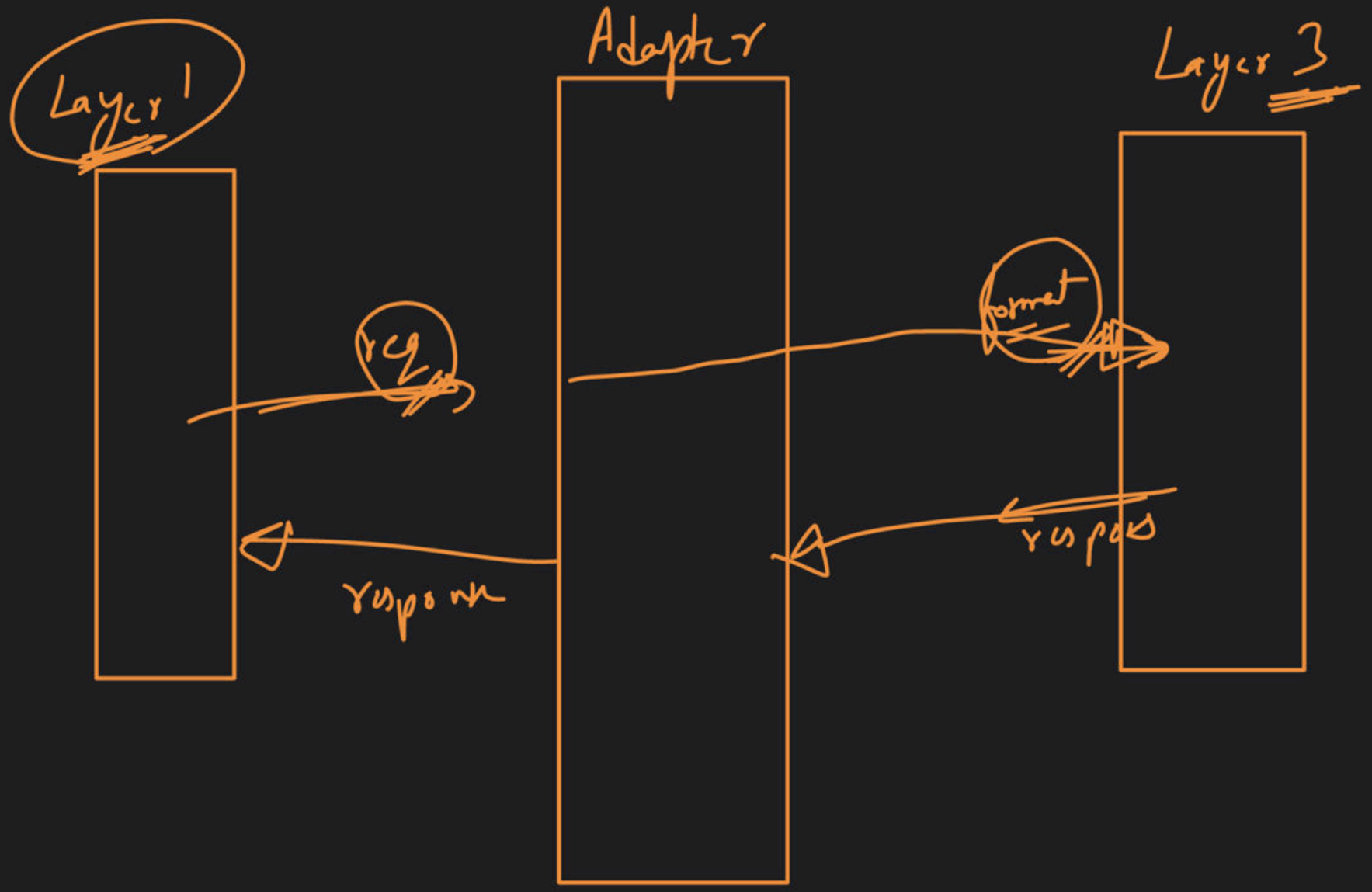
fortuner

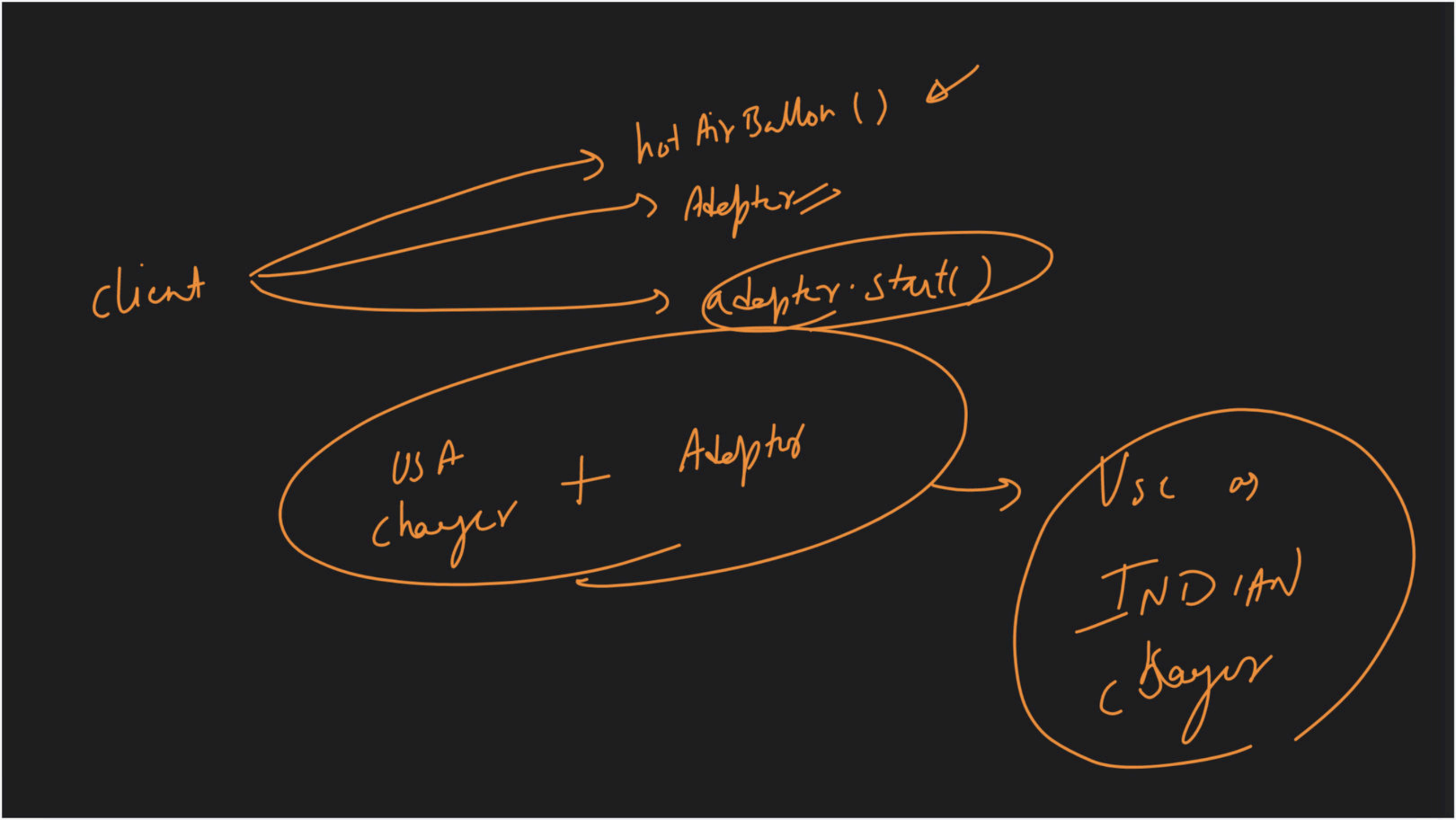

ICar
Adapter
Hot Air Balloon

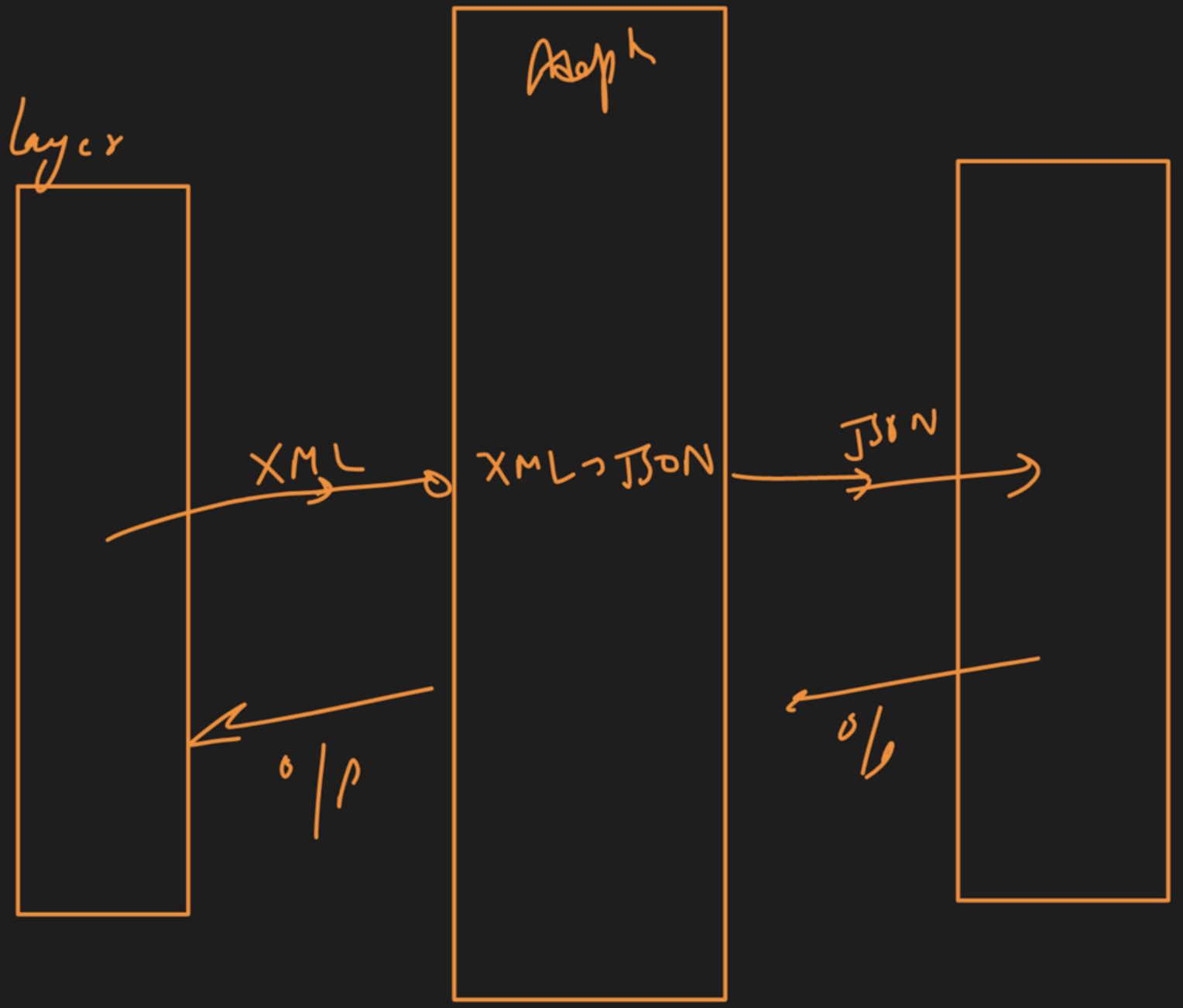


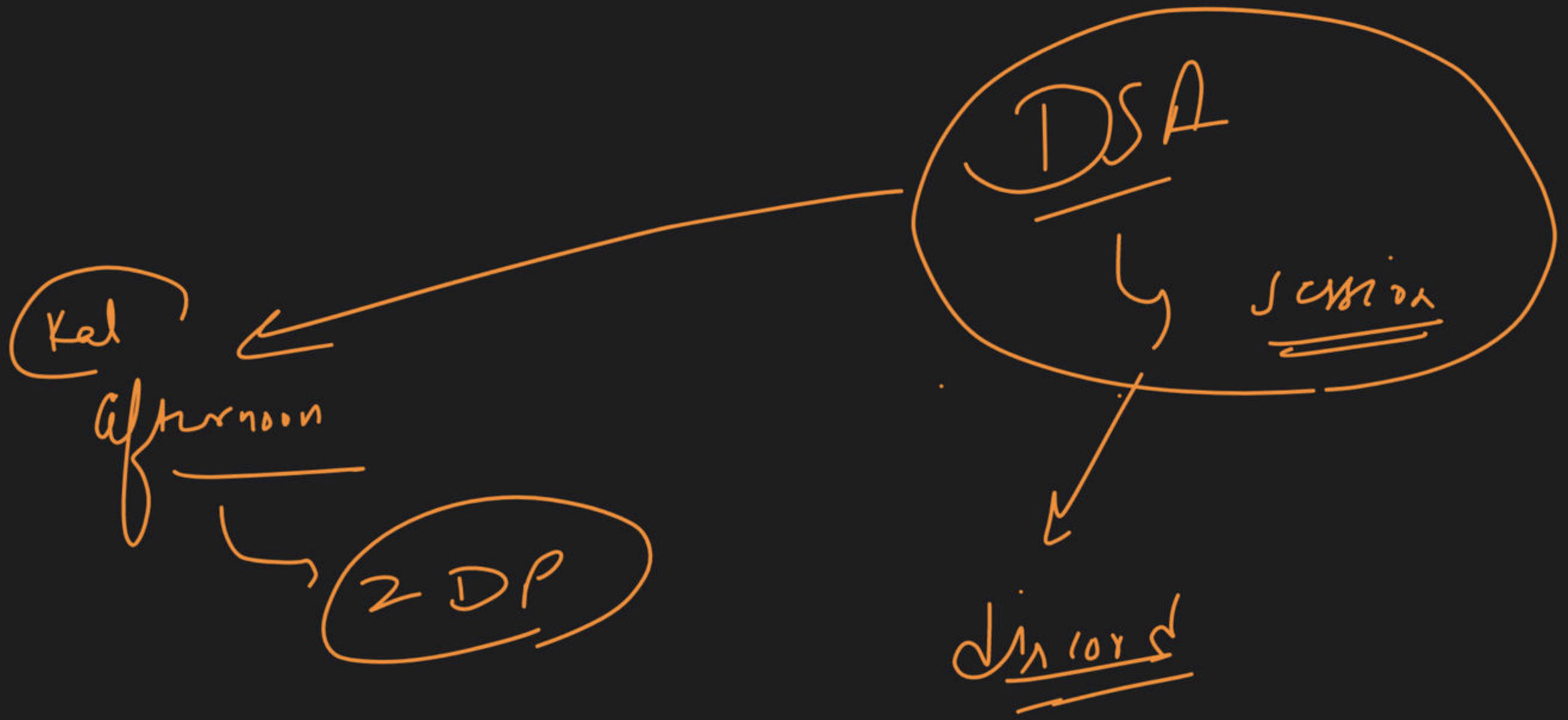

ICar
start ()
Hot Air Ballon
start ()
Scorpio
start ()


start(xyz)
Hot Air Balloon
Adapter
ICar
ICar s = new Scorpio();
s.start()
start()
Scorpio
Adapter
x y L
balloon.start(xyz


Layer 1
Adapter
Layer 3
req
format
response
response


hotAirBalloon()
Adapter
client
adapter.start()
USA
charger
+
Adaptor
Usc as
INDIAN
charger


Layer
Adapter
XML
XML → JSON
JSON
o/p
o/p


DSA
Session
Kal
Afternoon
2DP

Requirements