Mentimeter

Instructions

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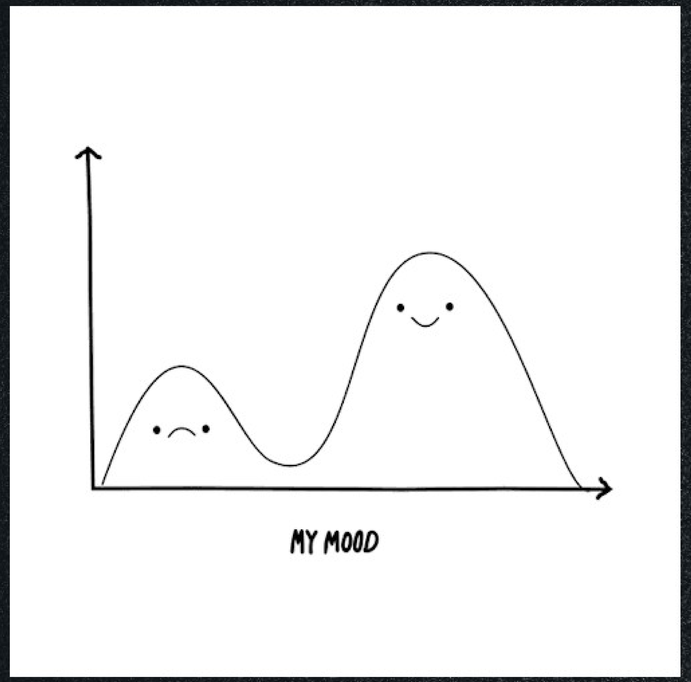
How is it going?



not bad

good

1

2

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Do you have problems with practice? Or have any other source of concerns?

i have not
started yet

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Agenda

- Present Agenda
- Recall last session
- Discuss current topic
- Practice

Total Recall

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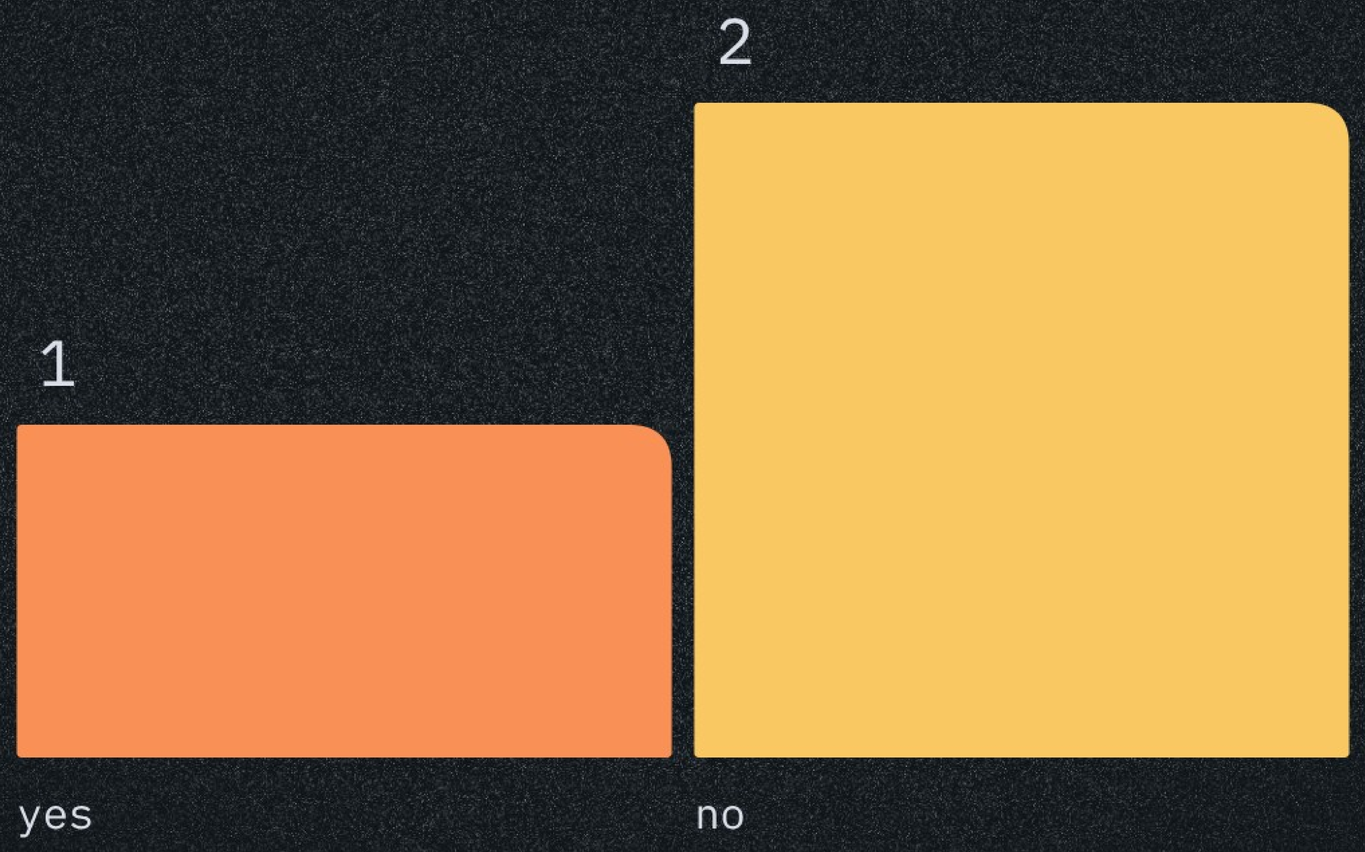
Do you remember where is your teacher from?



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What do you remember most from the previous session?

oop

OOD, SOLID

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Explain: Favor composition, not inheritance principle?

- it builds classes by combining behaviors
- no idea
- Prefer building with small, flexible pieces instead of locking into rigid parent-child hierarchies
- it means building a class using other classes as components

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List OOP principles

Abstraction

polymorphism, encapsulation

Encapsulation, Abstraction, Inheritance, Polymorphism

inheritance, encaspulation, abstraction, polymorphism

Polymorphism,Inheritance

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List any other OOD principles

Single Responsibility Principle

dry, kiss, yagni

YAGNI,DRY

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Few more

- Encapsulate what varies
- Favor composition, not inheritance
- Program to interface
- Loose coupling

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What patterns we were discussing last time?

SOLID and OOD

Strategy Pattern

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Patterns

- Creator
- Expert
- Controller
- Loose coupling
- High cohesion

Discuss current topic

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Have you looked into SRP and OCP topic?

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yes

1

no

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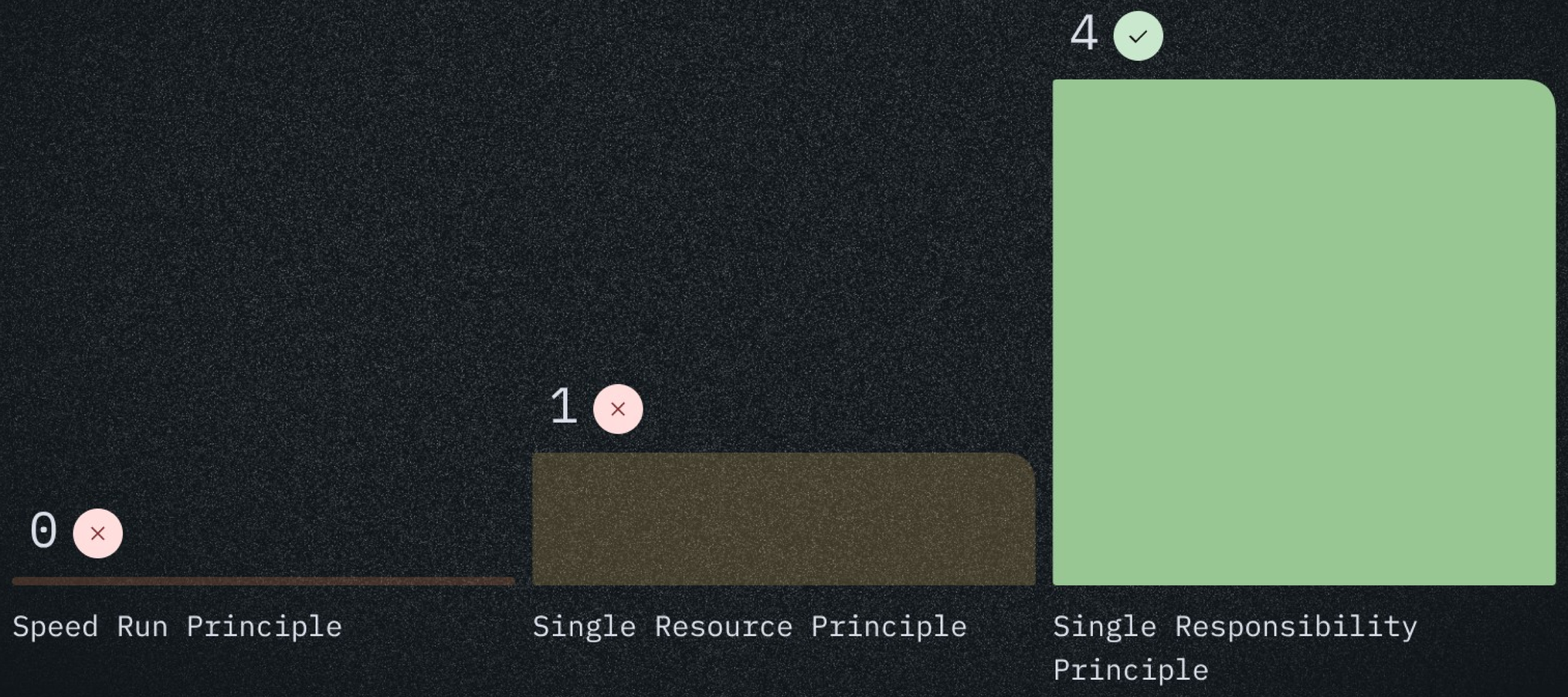
SRP is



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SRP advantages

better reusability

reusability

easier to understand

improved reusability

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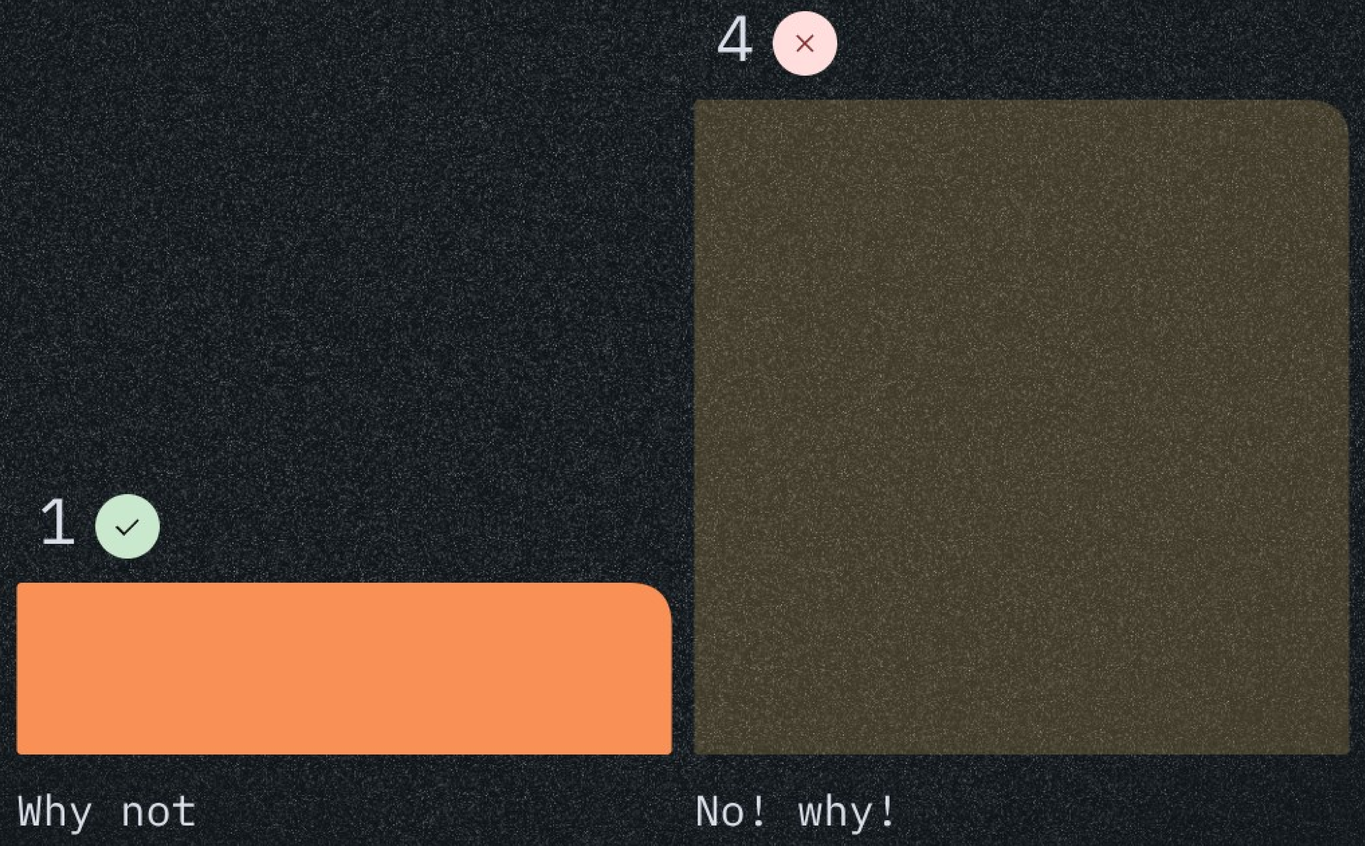
I have UserService class with CRUD functionality does go with SRP?



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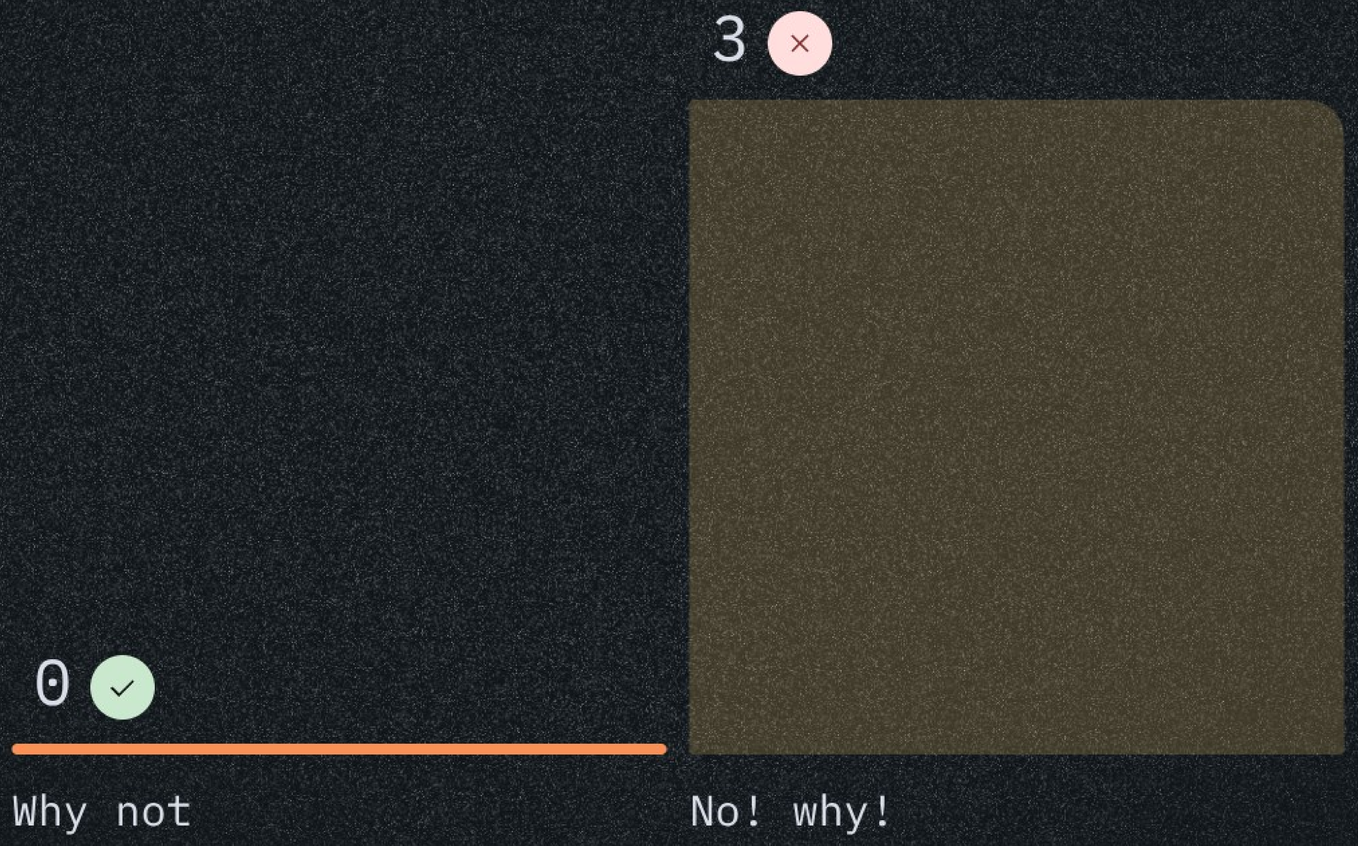
I have UserService class with CRUD and data validation functionality does still go with SRP?



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What is the root cause of conflict between Singleton and SRP ?

Singleton breaks SRP because it does two jobs: its main work and controlling its own instance.

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10 minute break

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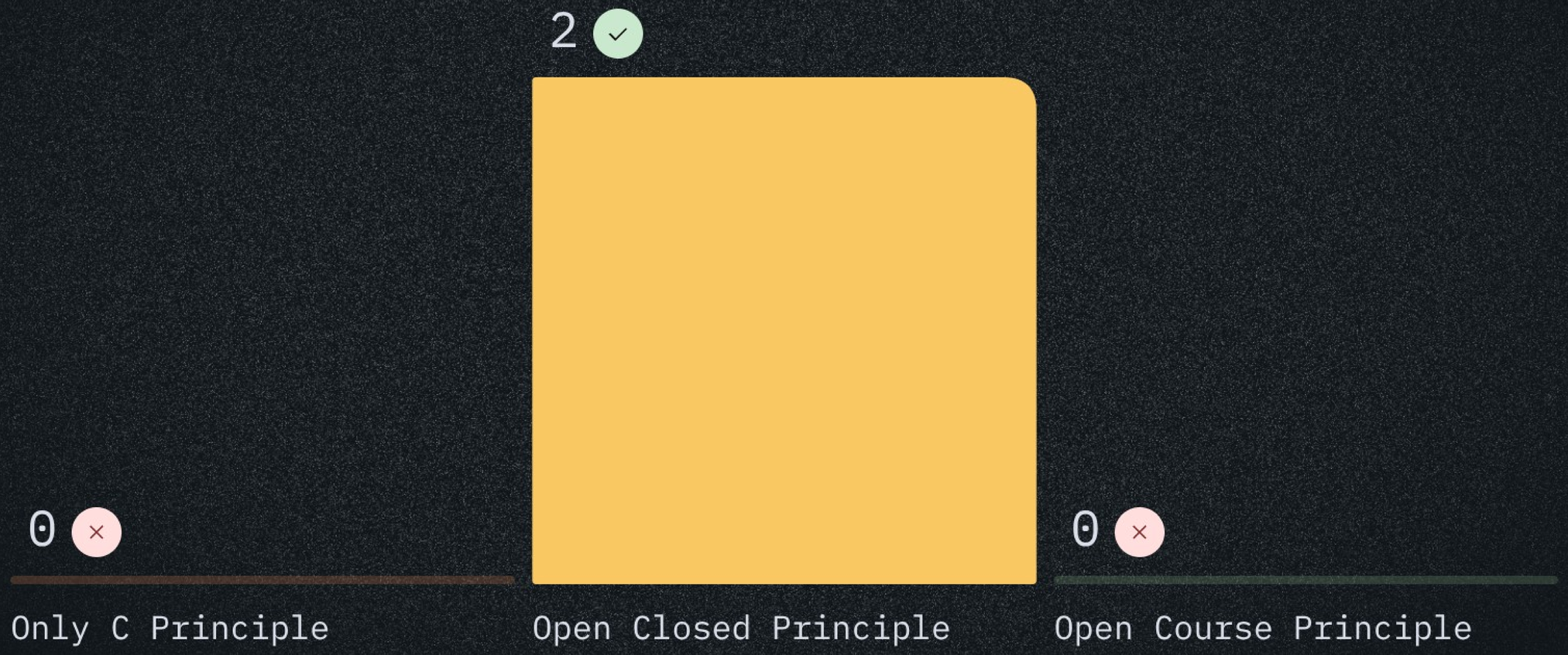
OCP is



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OCP advantages

easier to add new feature

supports scalability

clean architecture

easier to extend function

supports maintainability

better maintainability

reduces bugs in existing

1

4

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I have UserService class with CRUD functionality does go with OCP?

no

no maybe

no, why

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Q&A part

0 questions
0 upvotes