Mentimeter

Instructions

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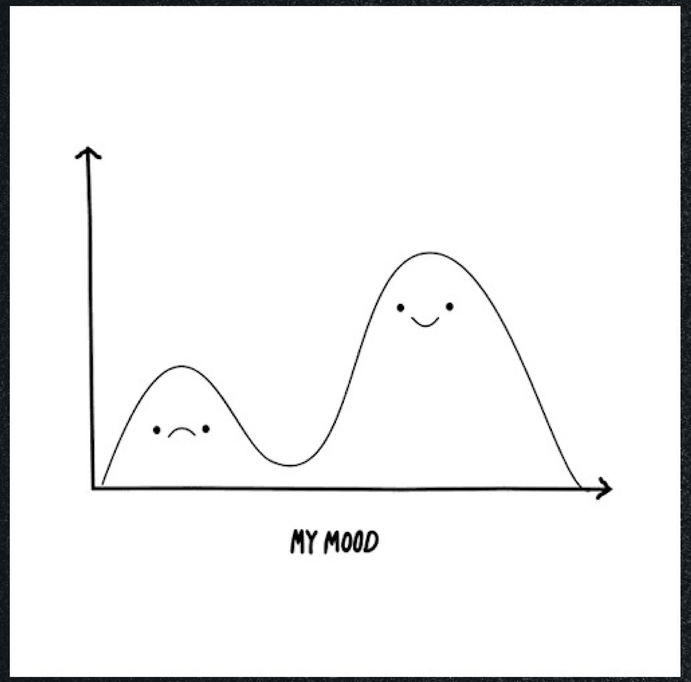
How is it going?



supergood

super

pretty well

jity mojno

as planned

good

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

i have completed one practice

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Agenda

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

Total Recall

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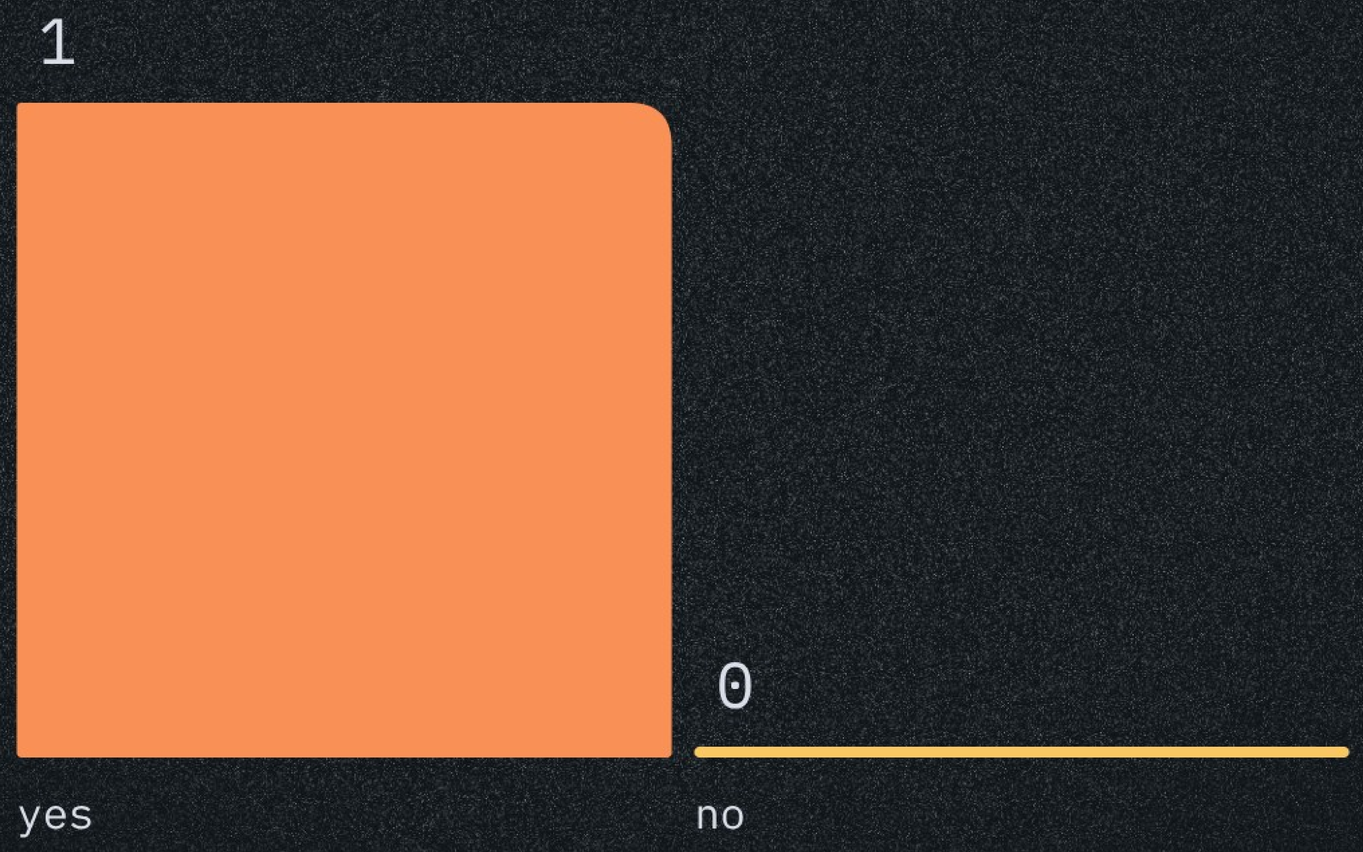
Do you remember where is your teacher from?



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What do you remember most from the previous session?

Design principles

EXPERT

you are 33 years old

Design patterns

Low Coupling, High Cohesion

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Explain: Favor composition, not inheritance principle?

no idea

Paganini - violin concerto 1

Better to get big objects via uniting small ones

Prefer to design systems where objects are built by composing smaller, reusable parts, rather than relying on class inheritance as the primary mechanism for code reuse.

prefer manageable part rather then inheriting

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List OOP principles

Again?

encapuslation,
inheritance

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List any other OOD principles

Don't repeat yourself

solid

Inheritance, polymorphism, encapsulation, abstraction

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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?

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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?

3

yes

3

no

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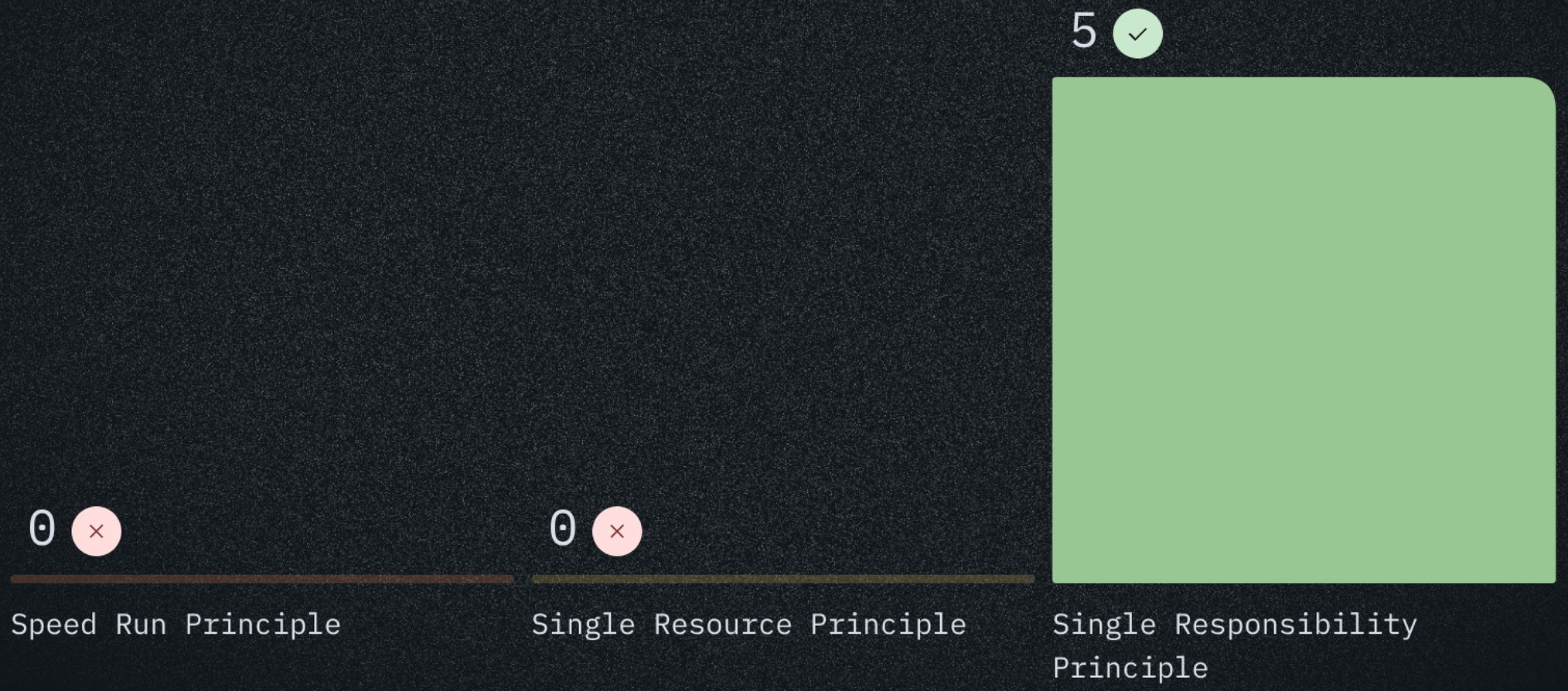
SRP is



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SRP advantages

supports parallel develop

easier to maintain

should have one reason to

easier testing

no idea my brother

change reuse

simple testing

easier to understand

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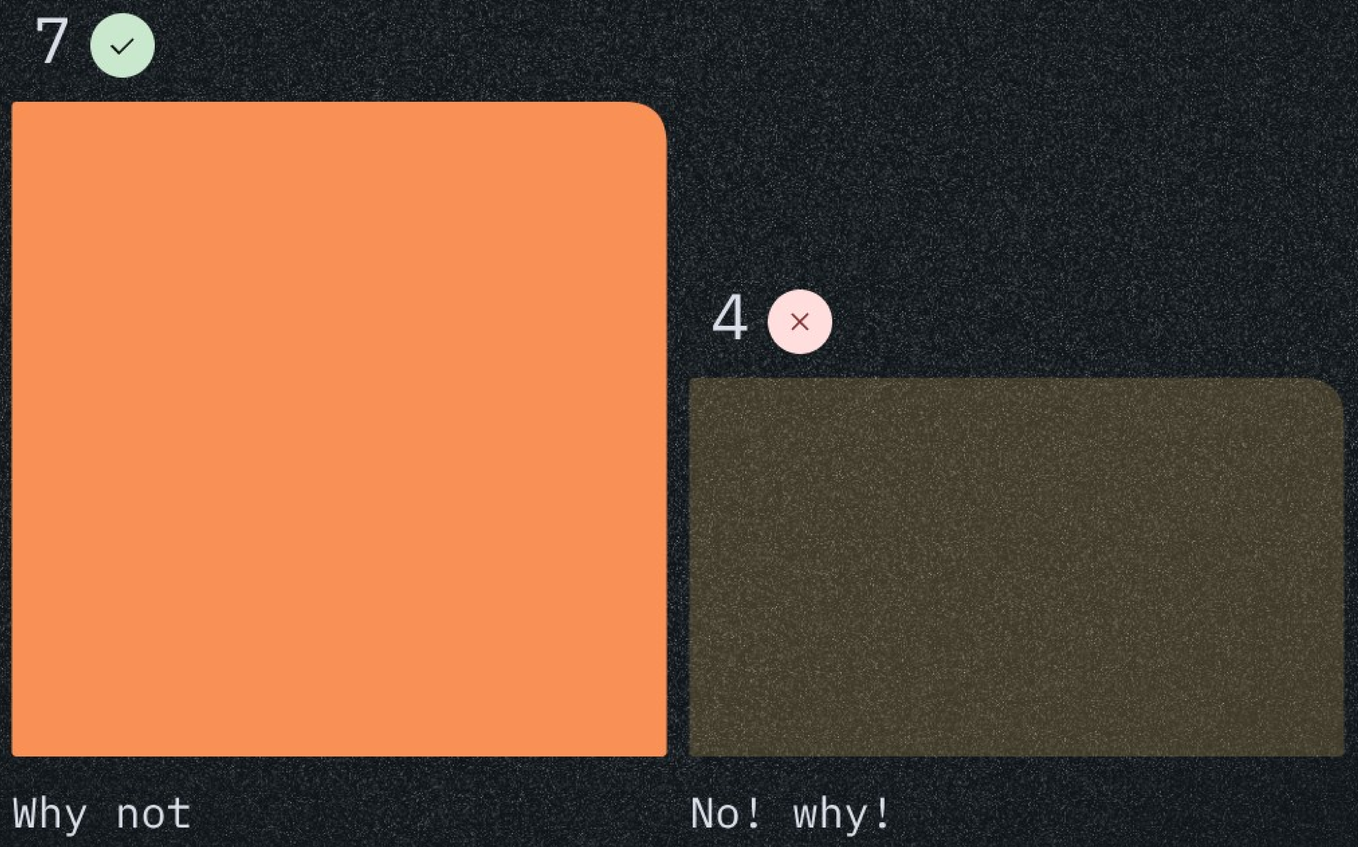
I have UserService class with CRUD functionality does go with SRP?



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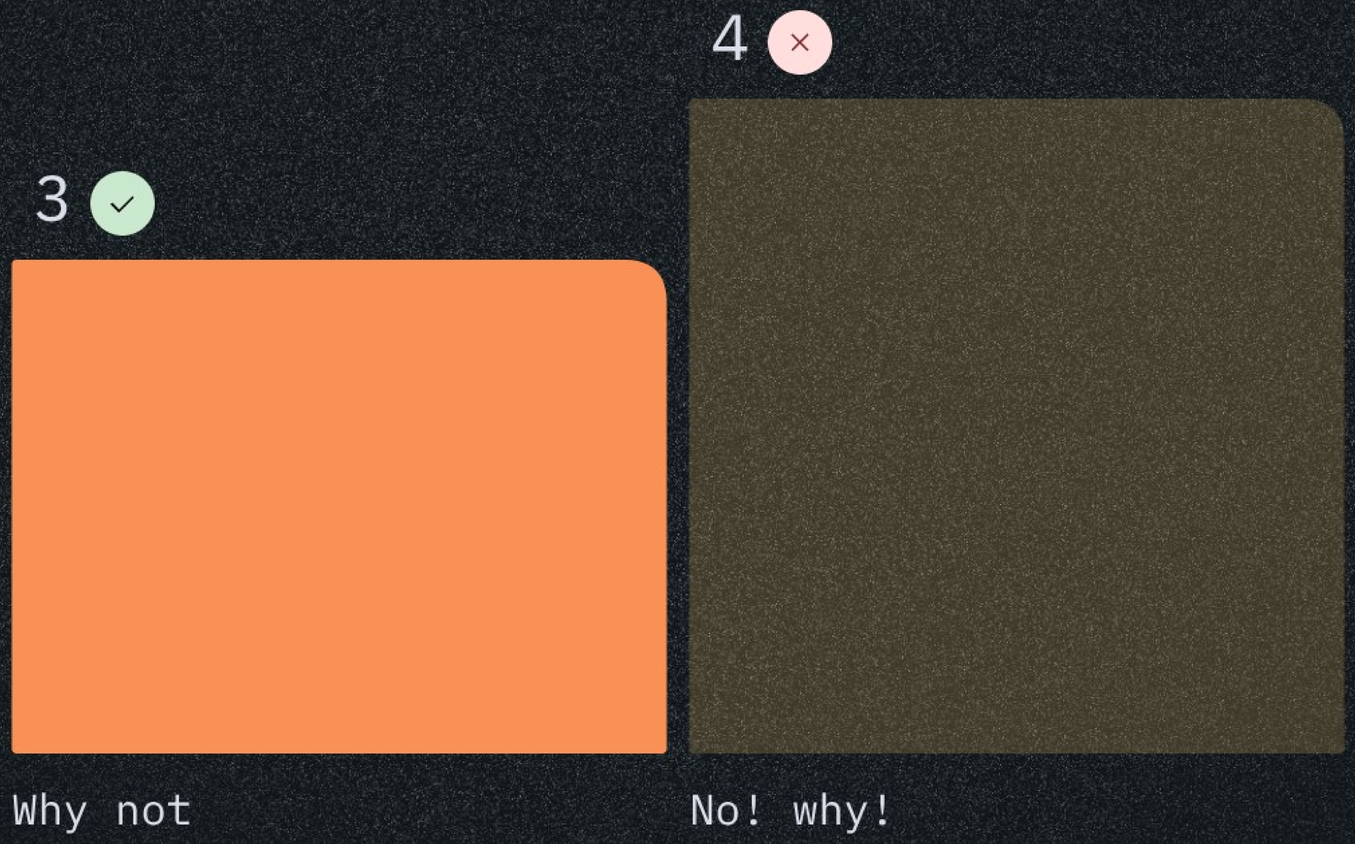
I have UserService class with CRUD and data validation functionality does still go with SRP?



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

Singleton class mixes business responsibility with infrastructure responsibility, which breaks SRP

managing its own single instance and providing the business logic

no idea my brother

singleton couples two distinct responsibilities in one class: - business logic - object management

Singleton conflicts with SRP because it mixes business logic with lifecycle management, giving the class more than one responsibility.

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10 minute break

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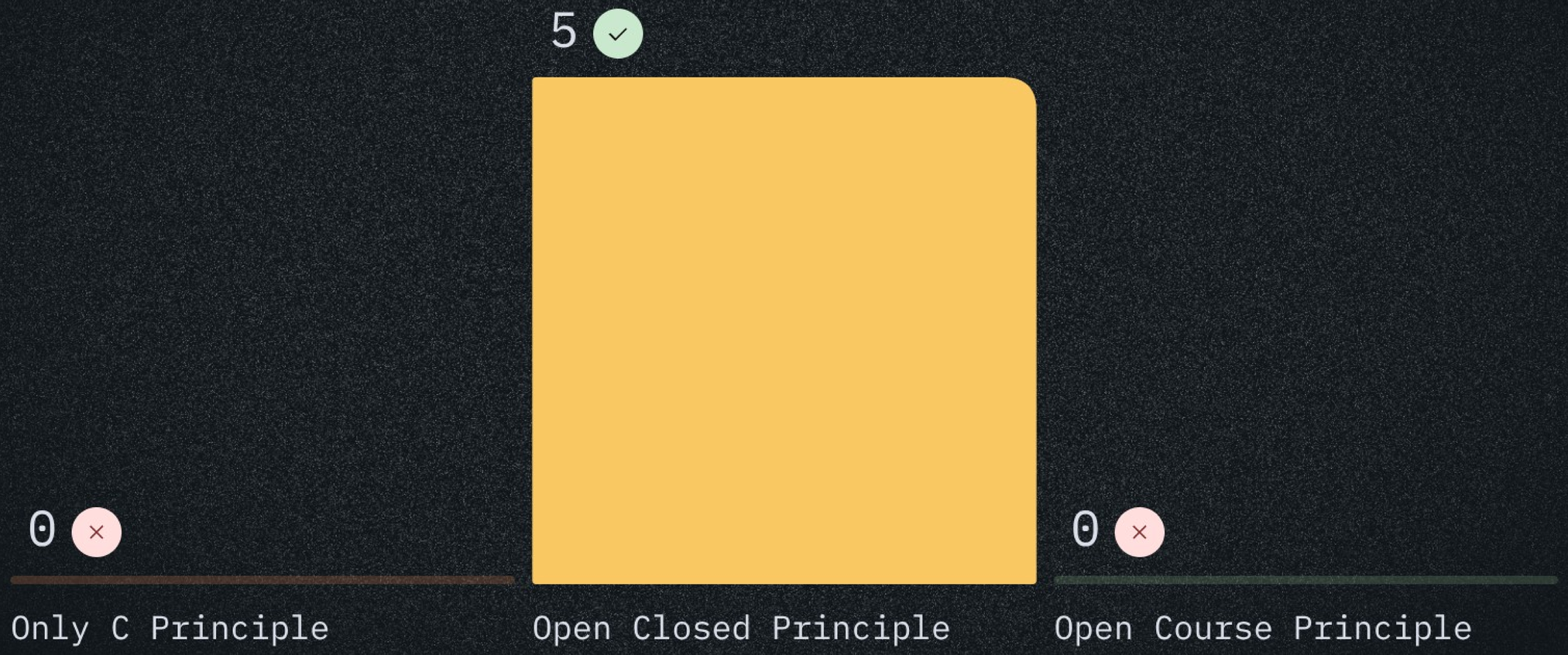
OCP is



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OCP advantages

flexibility and safety

devs can work in parallll

add new feature

allow new features to add

scalability

3

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

Yes

Y

Yes

3

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Q&A part

0 questions
0 upvotes