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Instructions

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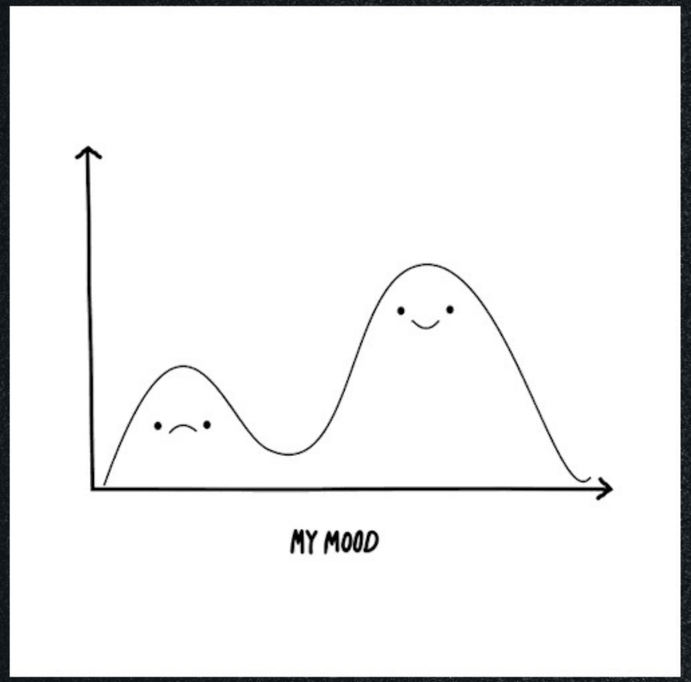
How is it going?

0 responses



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Do you have problems with practice?

Agenda

- Recall last session
- Discuss current topic
- Practice

Total Recall

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What do you remember most from the previous session?

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Explain: Favor composition, not inheritance principle?

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SRP is

0

Speed Run Principle

0

Single Resource Principle

0

Single Responsibility Principle

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

0 Why not

0 No! why!

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OCP is

Only C Principle	Open Closed Principle	Open Course Principle
0	0	0

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

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

0 Why not

0 No! why!

Discuss current topic

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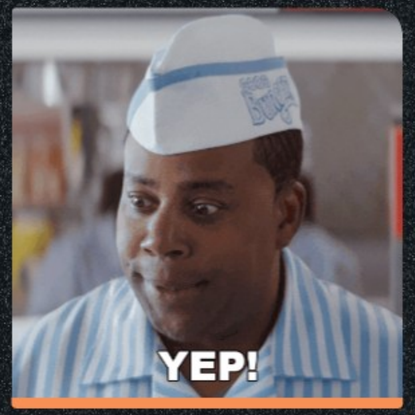
Have you looked into LSP and ISP topic?

0



yes

0

no

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LSP is

0

Liskov's Substitution Principle

0

Low Supplying Principle

0

Lost Superclass Principle

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LSP description

objects of a superclass shall be replaceable with objects of its subclasses without breaking the application

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LSP advantages

0 responses

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What rules help to compy with LSP?

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Basic rule for LSP

designed by contract

More rules

- (args) overridden subtype method argument types can be identical or wider than the supertype method argument types
- (return) The return type of the overridden subtype method can be narrower than the return type of the supertype method
- The subtype method can throw fewer or narrower (but not any additional or broader) exceptions than the supertype method
- (invariants) states that all subtype methods (inherited and new) must maintain or strengthen the supertype’s class invariants
- subclass methods (inherited or new) shouldn’t allow state changes that the base class didn’t allow
- etc.

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Suggest an example of behavioral and semantic violations in LSP?

Learn article

Liskov Substitution Principle in Java

https://www.baeldung.com/java-liskov-substitution-principle

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10 minute break

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ISP is

0 Interface Surrogate Principle

0 Interface Segregation Principle

0 Interchange Superclass Principle

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ISP advantages

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Benefits ISP

- Improved Readability
- Reduced Dependencies
- Ease of Maintenance
- Scalability

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What rules help to compy with ISP?

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Basic rule for ISP

classes should not be forced to depend on methods, that they do not use

Other rules

- Depend on abstractions, not on concretions
- reduce the side effects of using larger interfaces by breaking application interfaces into smaller ones
- define cohesions

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Q&A part

0 questions
0 upvotes