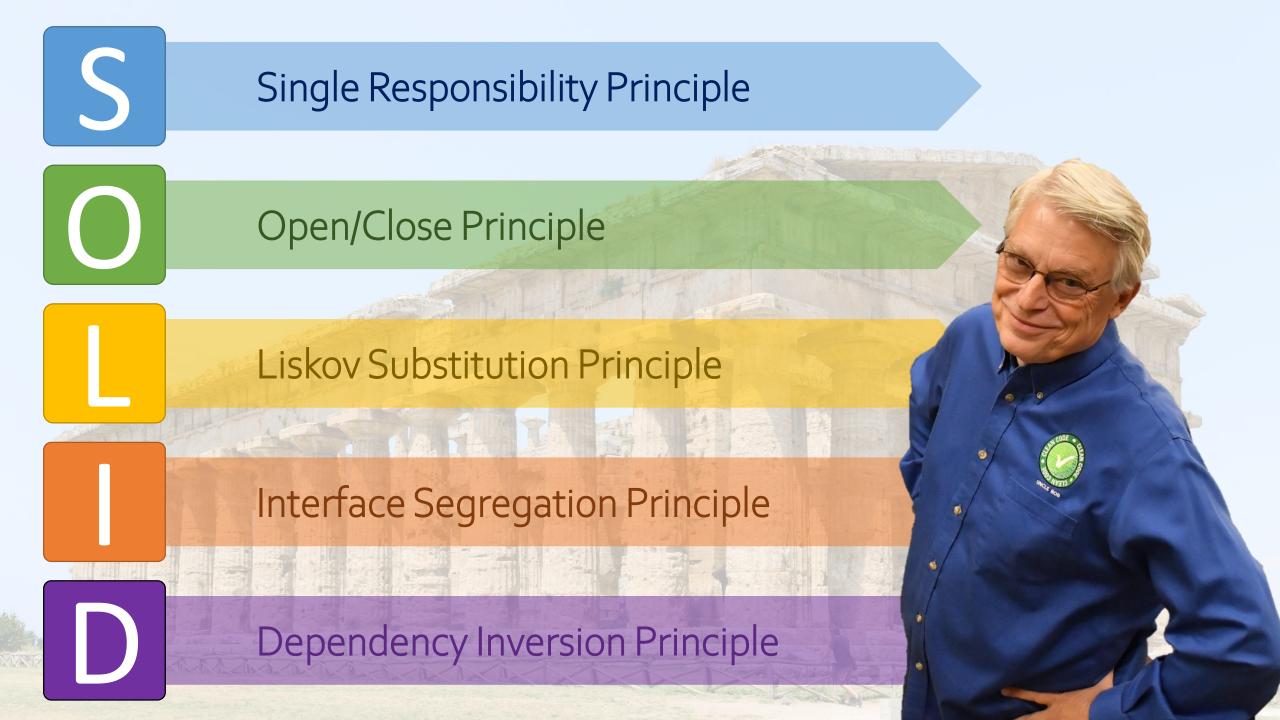
# SOLID PRINCIPLES IN REAL LIFE

The pillars of OOP through real life analogies

FEDERICA CITARRELLA



## Single Responsibility Principle

"Each software module should have one and only one reason to change." - Robert C. Martin

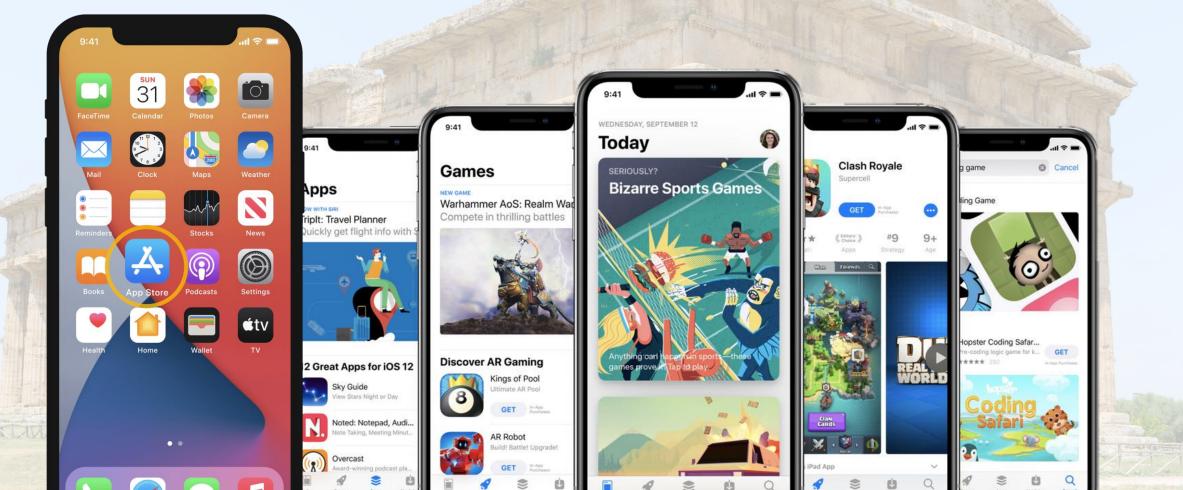
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## **Open/Close Principle**

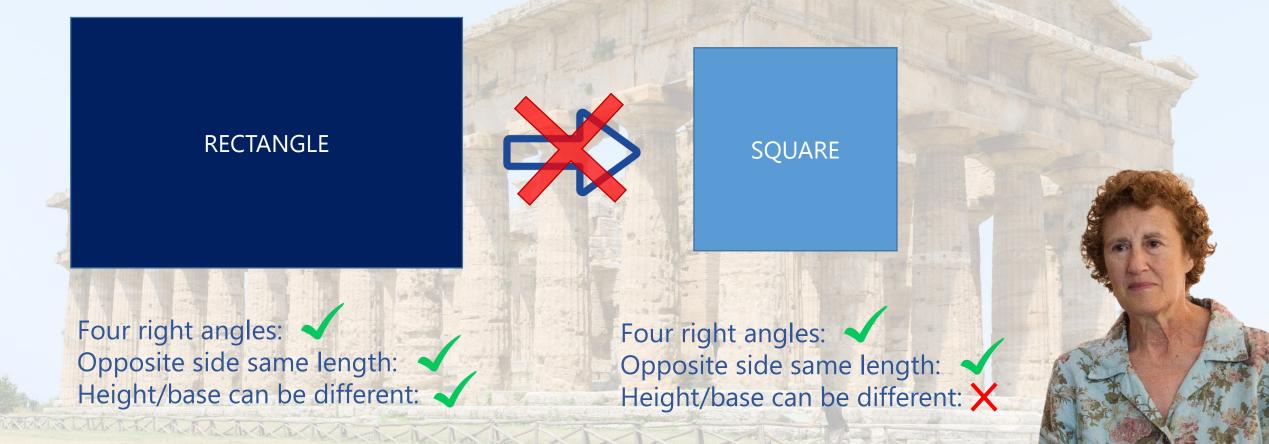
"They are open for extension, means that the behavior of the module can be extended. They are closed for modification." – Robert C. Martin



## Liskov Substitution Principle

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*"Functions that use pointers or references to base classes must be able to use objects of derived classes without knowing it."* – Robert C. Martin



## Interface Segregation Principle

"Keep interfaces small so that users don't end up depending on things they don't need." - Robert C. Martin

 MONOLITHIC

### Dependency Inversion Principle

"The DIP tells us that the most flexible systems are those in which source code dependencies refer only to abstractions, not to concretions." – Robert C. Martin

#### **STRONGLY COUPLED**

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**LESS COUPLED** 

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## **QUESTIONS?**



# Thank you!



#### References:

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