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لتعم الفائدة للجميع وانقاذ الاف الناس من التشتت وجزاكم الله خيرا
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هذا الملف للمراجعة السريعة واخذ الملاحظات عليه فقط ،لانه يحتوي
على اقل من 20٪ مما يتم شرحه في الفيديوهات
الاستعجال والاعتماد عليه فقط سوف يجعلك تخسر كميه معلومات
وخبرات كثيره
يجب عليك مشاهدة فيديو الدرس كاملا
لاتنسى عمل لايك ومشاركة القناة لتعم الفائدة للجميع
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SOLID PRINCIPLES

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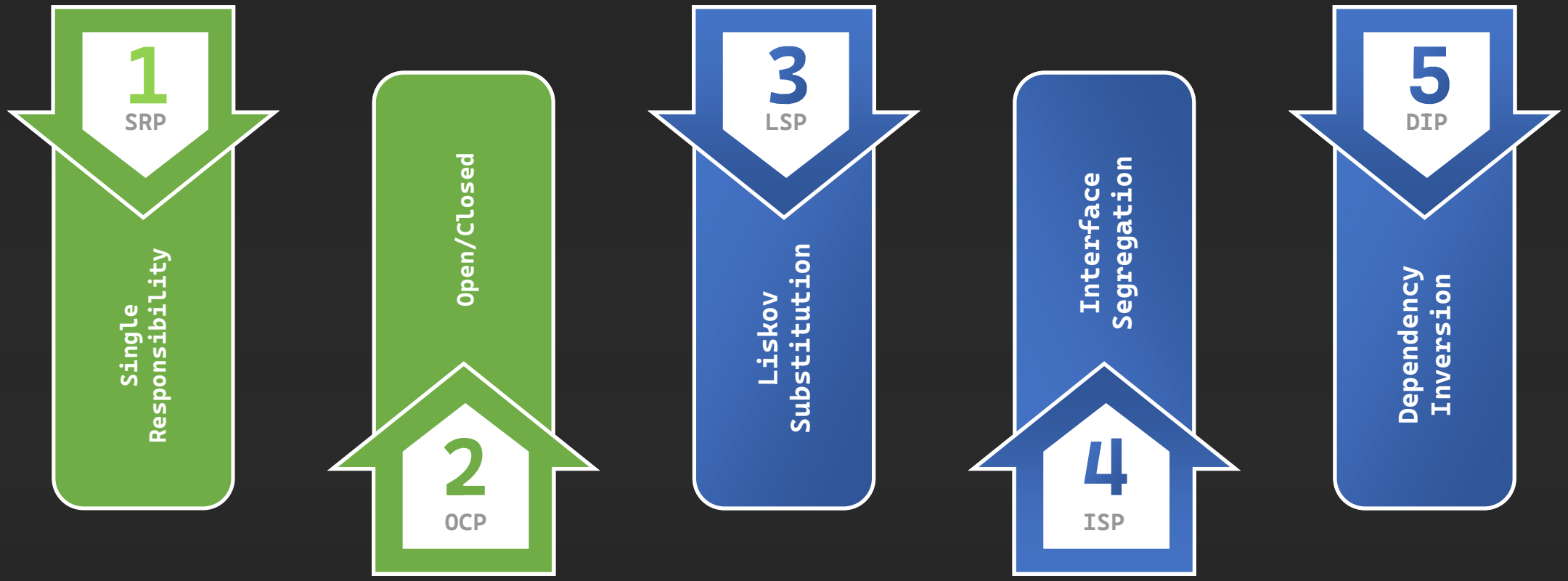
Open/Closed Principle (OCP)

5 Solid Principles



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Analogies

Analogy 1: Extending House

A house that you might want to expand in the future. This design will need knocking down walls to build an addition, you have don’t have flexible design where rooms can be added without disturbing the original structure.

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Now Imagin this house:

Think of designing a house that you might want to expand in the future. Instead of knocking down walls to build an addition, you have a flexible design where rooms can be added without disturbing the original structure. The house is open to extension but closed to major modifications of the existing layout.

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Open/Close Principle (OCP):

In software, OCP encourages you to extend the functionality of your classes without altering their original structure, much like extending your house without knocking it down.

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Analogy 2: Music Plugins

Think of a music player app. Instead of rewriting the entire app to add new features, you can add plugins, like an equalizer or audio effects, that extend its functionality. The core application remains unchanged, but new features are easily added by plugging them in.

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Open/Close Principle (OCP):

In software design, OCP ensures that the core class (the app) doesn’t need to be modified for every new feature (plugin).

Same for Excel, Chrome ..etc

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What is OCP?

- Software entities (classes, modules, functions, etc.) should be open for extension, but closed for modification.

- This means that you should be able to extend the behavior of a class without modifying its source code.

- It’s a way of ensuring that changes don’t break existing code, allowing for greater flexibility and less risk when introducing new functionality.

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