

OCP: The Open-Closed Principle

- Bertrand Meyer, 1988
 - A software artifact should be open for extension but closed for modification.
- Goal
 - make the system easy to extend without incurring a high impact of change
- Practice
 - use SRP to separate the system into components and arrange them into a dependency hierarchy with DIP to protect higher-level components from changes in lower-level components

LSP: The Liskov Substitution Principle

- A way to guide the user of **inheritance**
 - The behavior of the application should depend on the well-defined interfaces, instead of the implementations of those interfaces
 - Or the implementations of the interfaces should be substitutable from the application's point of view