SOLID principles

Avoid a substantial mess with well-made bricks

- Goal: create a mid-level software structures
 - how to arrange functions and data structures into classes
 - how the classes should be interconnected
- SOLID
 - SRP Single Responsibility Principle
 - OCP Open-Closed Principle
 - LSP Liskov Substitution Principle
 - ISP Interface Segregation Principle
 - DIP Dependency Inversion Principle

SRP: The Single Responsibility Principle One and only one reason to change

- A module should be responsible to one, and only one, actor.
 - Module: a source file, or a cohesive set of functions and data structures
 - Actor: a group (one or more) of people (e.g., user, stakeholder) who require the change
- Good practices
 - Separate the code that different actors depend on
 - Separate the code that supports different actors
 - Facade pattern