

Single Responsibility Principle guides how modules, classes, and functions should operate by design. Each module or class should have only one responsible for part of the functionalities provided by the software. Classes or functions with single functionalities are more understandable, manageable, and customizable. Using single responsibility for your code also makes the code more organized and easier to read.

Open and Closed Principle Software design is usually done in stages. Development teams implement features, test them, and then deliver them to users. Then they move on to implementing the next set of features. On the premise of introducing new functionalities, OCP says that it's incorrect to change an already existing code or functionality. OCP also states that code can be open to extension but closed to modification. Instead, add an extension that introduces your proposed functionalities in place of changing a fundamental code. Composition and inheritance are the best approaches to adding new code without breaking the old one.