

# SOFTWARE DESIGN PRINCIPLES

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## SOLID Software Design Principles

	Principle	Description
S	Single Responsibility	A class should have only one, a reason to change, which means it should have only one function.
O	Open/ Closed	Software objects should be open to extension but closed for modification.
L	Liskov Substitution	Objects of the same types should be replaceable with others from the same category without altering the program's function.
I	Interface Segregation	No client should be forced to depend on methods it does not use. The program's interfaces should always be kept smaller and separate from one another.
D	Dependency Inversion	High-level modules should not depend on low-level modules, but both should depend on abstractions. While abstractions should not depend on details, details should depend on abstractions.

# Software Design Methods Amp Techniques

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