## Design pattern

## **Architecture pattern**

Definition	Specification that could help in implementation of a software	Fundamental Structural Organization for software systems				
Level of Focus	Design patterns are focused on solving specific coding-level problems within individual classes or components. They address common design challenges that arise at a lower level of abstraction.	Architecture patterns are focused on the overall structure and organization of a software system. They address high-level design decisions that affect the entire system.				
Granularity	Design patterns deal with the structure and interactions of objects within a single module or class. They provide solutions for implementing specific functionalities or relationships between objects.	Architecture patterns deal with the arrangement and interactions of major components, modules, and subsystems within a software system. They provide guidelines for designing the system's global structure.				
Usage	Design patterns are typically applied at a smaller scale and are used to enhance the structure, flexibility, and maintainability of code within a particular class or module.	Architecture patterns are applied at a higher scale and are used to define the fundamental structure, communication pathways, and major components of a software application.				
Examples	The Singleton pattern, Factory pattern, Observer pattern, Strategy pattern, and many others.	The Layered Architecture, Microservices Architecture, Model-View-Controller (MVC), Event-Driven Architecture, and more.				
Impact	Design patterns impact the organization, behavior, and relationships of individual objects or components. They are more concerned with the implementation details of a specific part of the software.	Architecture patterns impact the overall organization, scalability, maintainability, and performance of a software system. They guide the layout and interactions of components across the entire system.				