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| **Creational Patterns** | |
| [Abstract Factory](http://www.dofactory.com/Patterns/PatternAbstract.aspx) | Creates an instance of several families of classes |
| [Builder](http://www.dofactory.com/Patterns/PatternBuilder.aspx) | Separates object construction from its representation |
| [Factory Method](http://www.dofactory.com/Patterns/PatternFactory.aspx) | Creates an instance of several derived classes |
| [Prototype](http://www.dofactory.com/Patterns/PatternPrototype.aspx) | A fully initialized instance to be copied or cloned |
| [Singleton](http://www.dofactory.com/Patterns/PatternSingleton.aspx) | A class of which only a single instance can exist |

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| **Structural Patterns** | |
| [Adapter](http://www.dofactory.com/Patterns/PatternAdapter.aspx) | Match interfaces of different classes |
| [Bridge](http://www.dofactory.com/Patterns/PatternBridge.aspx) | Separates an object’s interface from its implementation |
| [Composite](http://www.dofactory.com/Patterns/PatternComposite.aspx) | A tree structure of simple and composite objects |
| [Decorator](http://www.dofactory.com/Patterns/PatternDecorator.aspx) | Add responsibilities to objects dynamically |
| [Facade](http://www.dofactory.com/Patterns/PatternFacade.aspx) | A single class that represents an entire subsystem |
| [Flyweight](http://www.dofactory.com/Patterns/PatternFlyweight.aspx) | A fine-grained instance used for efficient sharing |
| [Proxy](http://www.dofactory.com/Patterns/PatternProxy.aspx) | An object representing another object |

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| **Behavioral Patterns** | |
| [Chain of Resp.](http://www.dofactory.com/Patterns/PatternChain.aspx) | A way of passing a request between a chain of objects |
| [Command](http://www.dofactory.com/Patterns/PatternCommand.aspx) | Encapsulate a command request as an object |
| [Interpreter](http://www.dofactory.com/Patterns/PatternInterpreter.aspx) | A way to include language elements in a program |
| [Iterator](http://www.dofactory.com/Patterns/PatternIterator.aspx) | Sequentially access the elements of a collection |
| [Mediator](http://www.dofactory.com/Patterns/PatternMediator.aspx) | Defines simplified communication between classes |
| [Memento](http://www.dofactory.com/Patterns/PatternMemento.aspx) | Capture and restore an object's internal state |
| [Observer](http://www.dofactory.com/Patterns/PatternObserver.aspx) | A way of notifying change to a number of classes |
| [State](http://www.dofactory.com/Patterns/PatternState.aspx) | Alter an object's behavior when its state changes |
| [Strategy](http://www.dofactory.com/Patterns/PatternStrategy.aspx) | Encapsulates an algorithm inside a class |
| [Template Method](http://www.dofactory.com/Patterns/PatternTemplate.aspx) | Defer the exact steps of an algorithm to a subclass |
| [Visitor](http://www.dofactory.com/Patterns/PatternVisitor.aspx) | Defines a new operation to a class without change |

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| **Creational Patterns** |

**1. Abstract Factory**

Provide an interface for creating families of related or dependent objects without specifying their concrete classes.

**2. Builder**

Separate the construction of a complex object from its representation so that the same construction process can create different representations.

**3. Factory Method**

Define an interface for creating an object, but let subclasses decide which class to instantiate. Factory Method lets a class defer instantiation to subclasses.

**4. Prototype**

Specify the kind of objects to create using a prototypical instance, and create new objects by copying this prototype.

**5. Singleton**

Ensure a class has only one instance and provide a global point of access to it.

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| **Structural Patterns** |

**1. Adapter**

Convert the interface of a class into another interface clients expect. Adapter lets classes work together that couldn't otherwise because of incompatible interfaces.

**2. Bridge**

Decouple an abstraction from its implementation so that the two can vary independently.

**3. Composite**

Compose objects into tree structures to represent part-whole hierarchies. Composite lets clients treat individual objects and compositions of objects uniformly.

**4. Decorator**

Attach additional responsibilities to an object dynamically. Decorators provide a flexible alternative to subclassing for extending functionality.

**5. Facade**

Provide a unified interface to a set of interfaces in a subsystem. Façade defines a higher-level interface that makes the subsystem easier to use.

**6. Flyweight**

Use sharing to support large numbers of fine-grained objects efficiently.

**7. Proxy**

Provide a surrogate or placeholder for another object to control access to it.

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| **Behavioral Patterns** |

**1. Chain of Responsibility**

Avoid coupling the sender of a request to its receiver by giving more than one object a chance to handle the request. Chain the receiving objects and pass the request along the chain until an object handles it.

**2. Command**

Encapsulate a request as an object, thereby letting you parameterize clients with different requests, queue or log requests, and support undoable operations.

**3. Interpreter**

Given a language, define a representation for its grammar along with an interpreter that uses the representation to interpret sentences in the language.

**4. Iterator**

Provide a way to access the elements of an aggregate object sequentially without exposing its underlying representation.

**5. Mediator**

Define an object that encapsulates how a set of objects interact. Mediator promotes loose coupling by keeping objects from referring to each other explicitly, and it lets you vary their interaction independently.

**6. Memento**

Without violating encapsulation, capture and externalize an object's internal state so that the object can be restored to this state later.

**7. Observer**

Define a one-to-many dependency between objects so that when one object changes state, all its dependents are notified and updated automatically.

**8. State**

Allow an object to alter its behavior when its internal state changes. The object will appear to change its class.

**9. Strategy**

Define a family of algorithms, encapsulate each one, and make them interchangeable. Strategy lets the algorithm vary independently from clients that use it.

**10. Template Method**

Define the skeleton of an algorithm in an operation, deferring some steps to subclasses. Template Method lets subclasses redefine certain steps of an algorithm without changing the algorithm's structure.

**11. Visitor**

Represent an operation to be performed on the elements of an object structure. Visitor lets you define a new operation without changing the classes of the elements on which it operates.