OOD

Abstraction
Encapsulation
Polymorphism
Inharitance

Abstraction Qualities

Coupling (связанность)
Cohesion (связность)
Sufficiency (достаточность)
Completeness (полнота)
Privmitiveness (элементарность)

SOLID principles

Single responsibility principle
Open/closed principle
Liskov substitution principle
Interface segregation principle
Dependency inversion principle

ACID

Atomicity (Атомарность)
Consistency (Согласованность)
Isolation (Изолированность)
Durability (Долговечность)

GoF patterns

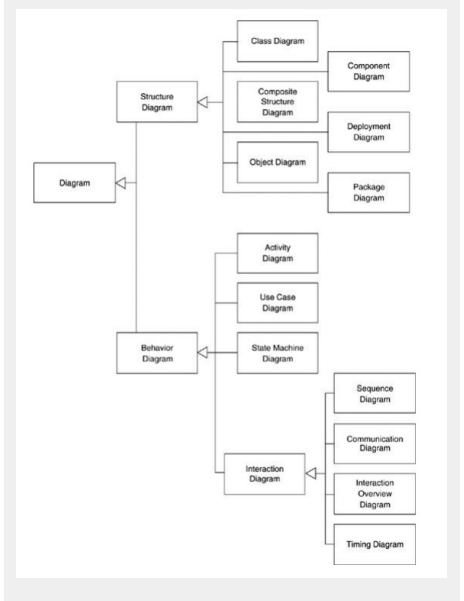| |
|---|
| Abstract Factory |
| Builder |
| Factory Method |
| Prototype |
| Singleton |
| Adapter |
| Bridge |
| Composite |
| Decorator |
| Facade |
| Flyweight |
| Proxy |
| Chain of Responsibility |
| Command |
| Interpreter |
| Iterator |
| Mediator |
| Momento |
| Observer |
| State |
| Strategy |
| Template Method |
| Visitor |

No SQL

Key Value (Redis, Riak, Memcached)
Column (Cassandra, BigTable)
Document Store (MongoDB, RethinkDB, Couchbase)
Graph (OrientDB, Neo4J)

Diagrams