

Design Patterns Course Content

Introduction

1. Introduction to Design Patterns
2. Need of Design Patterns
3. Design Patterns Classification
 - a) Creational Patterns
 - b) Structural Patterns
 - c) Behavioral Patterns

Creational Patterns

1. Factory Method Pattern
2. Abstract Factory Pattern
3. Singleton Pattern
4. Prototype Pattern
5. Builder Pattern

Structural Patterns

1. Adapter Pattern
2. Bridge Pattern
3. Composite Pattern
4. Decorator Pattern
5. Flyweight Pattern
6. Proxy Patterns

Behavioral Patterns

1. Chain of Responsibility Pattern
2. Command Pattern
3. Interpreter Pattern
4. Iterator Pattern
5. Mediator Pattern
6. Memento Pattern
7. Observer Pattern
8. State Pattern
9. Strategy Pattern
10. Template Pattern
11. Visitor Patterns

J2EE Patterns

Presentation Layer Design Patterns

1. Intercepting Filter Pattern
2. Front Controller Pattern
3. View Helper Pattern
4. Composite View Pattern

Business Layer Design Patterns

1. Business Delegate Pattern
2. Service Locator Pattern
3. Session Facade Pattern
4. Transfer Object Pattern
5. Data Access Object Pattern
6. Web Service Broker Pattern