"Gang of Four Design Patterns in C#"

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Presentation

- Name
- Company affiliation
- Area of expertise
- ▶ C# experience
- Expectations for the course



Prerequisites

- Working knowledge of newest C# and Visual Studio
 - Object-oriented development
 - Classes
 - Inheritance
 - Virtual methods
 - Extensions
 - Interfaces
 - Delegates
 - ...
- ▶ An interest in becoming a better C# developer. ◎



"Gang of Four Design Patterns in C#" – Day 1

- ▶ Introduction
 - What Are Design Patterns?
- Part I: Creational Patterns
 - Abstract Factory
 - Builder
 - Factory Method
 - Prototype
 - Singleton



"Gang of Four Design Patterns in C#" — Day 2

- Part II: Structural Patterns (Cont'd)
 - Adapter
 - Bridge
 - Composite
 - Decorator
 - Façade
 - Flyweight



"Gang of Four Design Patterns in C#" — Day 3

- ▶ Introduction to Day 3+4
- Part II: Structural Patterns (Cont'd)
 - Proxy
- Part III: Behavioral Patterns
 - Iterator
 - Chain of Responsibility
 - Template Method
 - Strategy
 - Memento



"Gang of Four Design Patterns in C#" — Day 4

- Part III: Behavioral Patterns (Cont'd)
 - Command
 - State
 - Interpreter
 - Visitor
 - Observer
 - Mediator
- Conclusion



Course Material

- Book
 - Erich Gamma, Richard Helm, Ralph Johnson, and John Vlissides: "Design Patterns: Elements of Reusable Object-Oriented Software"
- Slides
- Examples for every module
- ▶ Labs (and lab solutions) for every module
- Course evaluation after Day 4



Practical Information

- ▶ Each course day will be from 9.00 to 16.00
- Breaks
- ▶ Toilets
- Food and beverages
- Phones and devices
- Smoking
- Any questions...?



