Leveraging Reuse

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http://msmvps.com/blogs/deborahk/
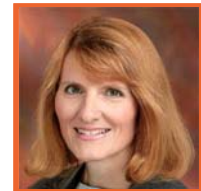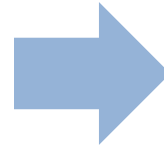@DeborahKurata
deborahk@insteptech.com

pluralsight
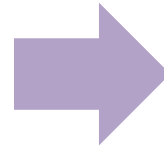hardcore dev and IT training

Object-Oriented Programming (OOP)
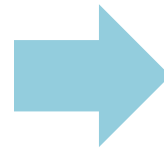
Identifying Classes

- Represents business entities
- Defines properties (data)
- Defines methods (actions/behavior)
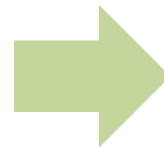
Separating Responsibilities

- Minimizes coupling
- Maximizes cohesion
- Simplifies Maintenance
- Improves Testability

Establishing Relationships

- Defines how objects work together to perform the operations of the application

Leveraging Reuse

- Involves extracting commonality
- And building reusable classes/components

Reuse

Build it once

Test it once

Update it once

Enhance it once

Module Outline

Techniques for Leveraging Reuse

The .NET Object Class

Overriding Base Class Functionality

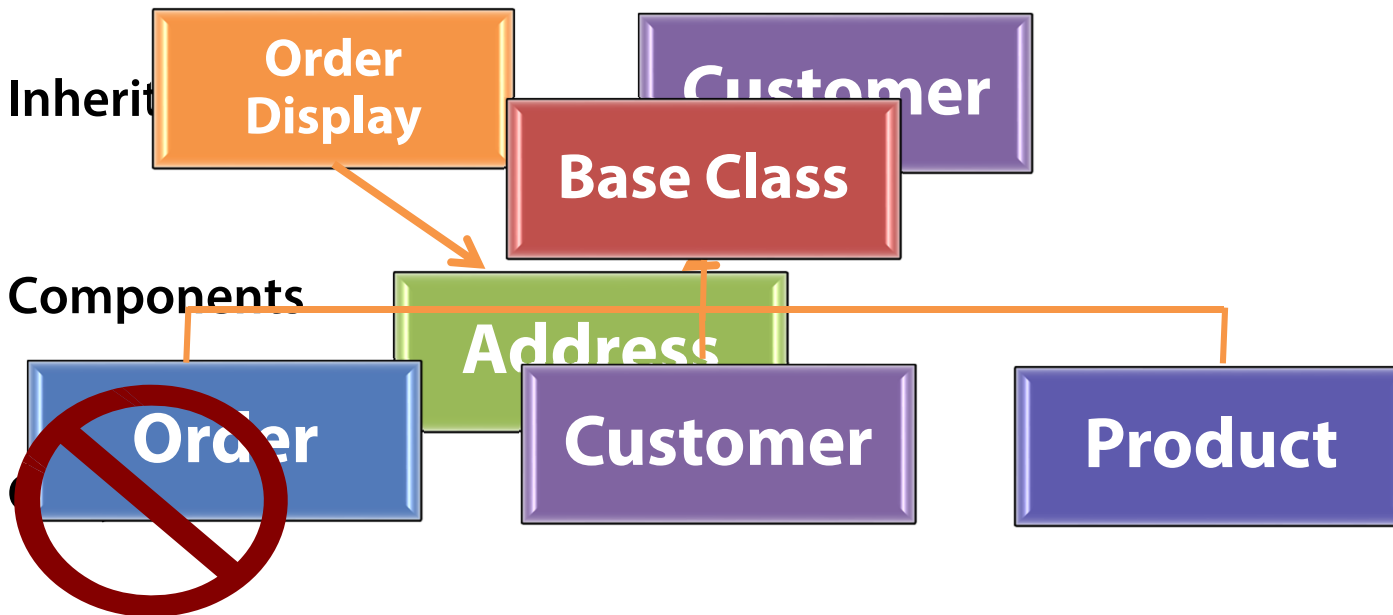**Polymorphism**

Building a Base Class

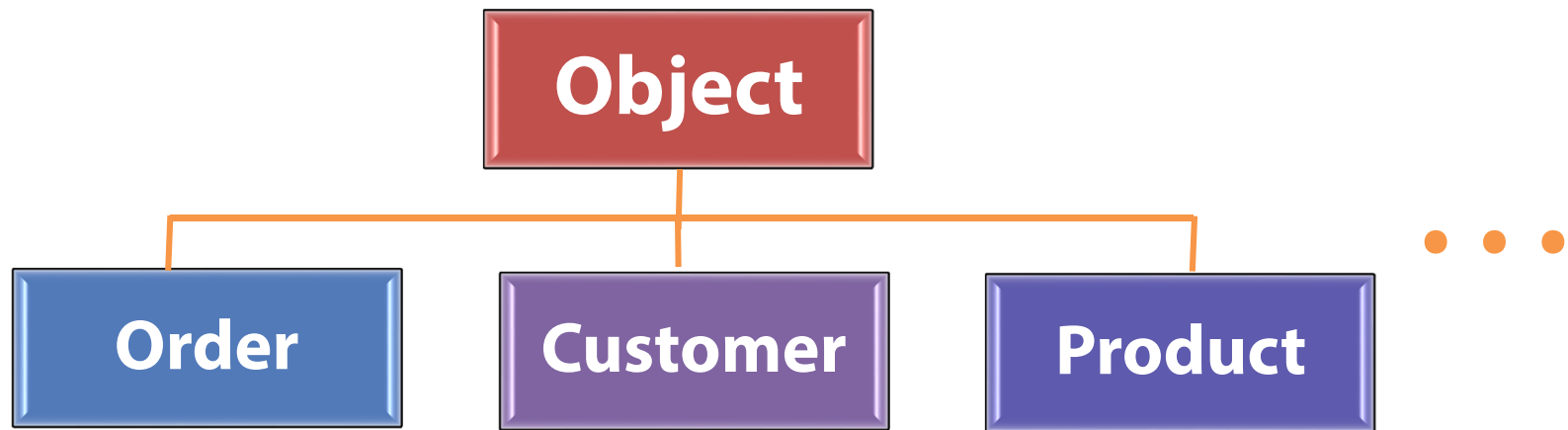# Techniques for Reuse

- Collaboration
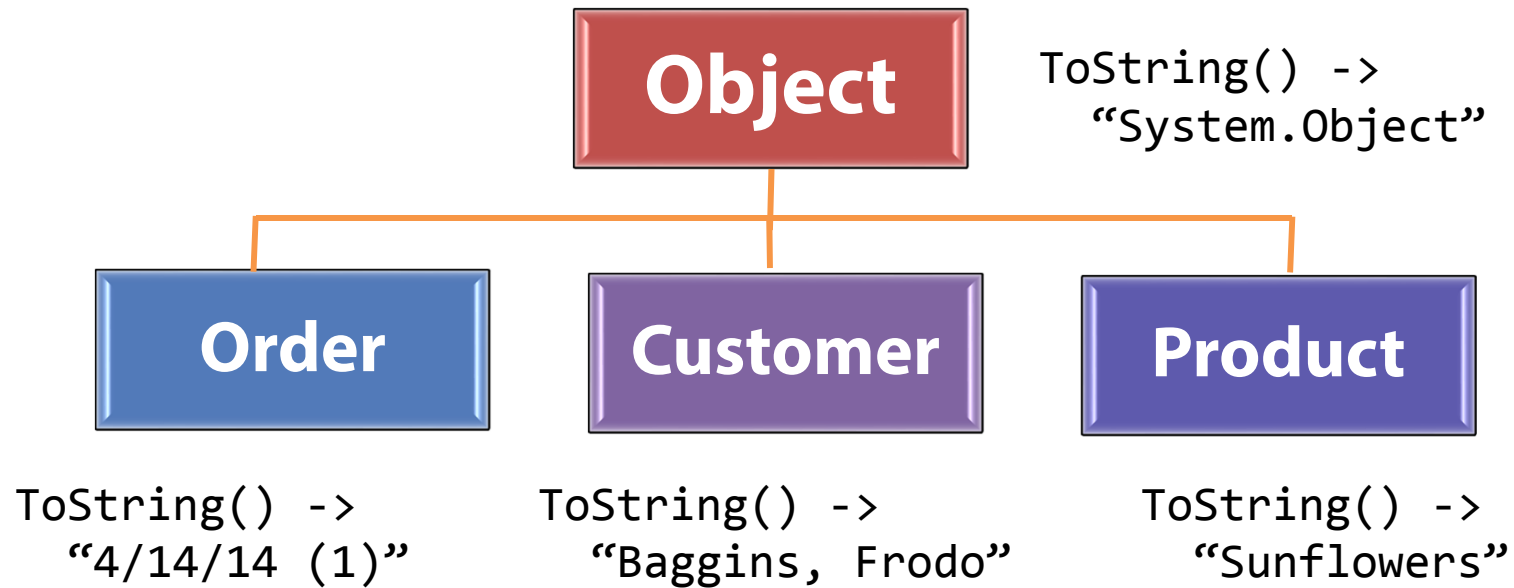
- Inherit

- Components

-

.NET Object Class

Polymorphism

Summary

Techniques for Leveraging Reuse

The .NET Object Class

Overriding Base Class Functionality

Polymorphism

Building a Base Class

Four Pillars of OOP

Terms and Keywords

Abstract vs Concrete classes

Sealed classes

Abstract vs Virtual methods

Access Modifiers: Public, Private, Protected