Conventions

Mark Seemann
@ploeh

Agenda

- Convention over Configuration
- Demo
 - DI container
 - Unit tests

Convention over Configuration

- Addresses bureaucracy (in code)
- Mechanisms
 - Enabling
 - Constraining

- ASP.NET MVC Controllers
 - (known case)

Total manual complexity

- Controllers by convention
 - Using a DI Container (Castle Windsor)

- Dependency constraints
 - Automated tests that protect against accidental use of Castle Windsor from other projects

Extension by convention

- Directory by convention
 - Match on name

- Services by convention
 - Scan all assemblies and register all concrete types against their interfaces
 - That's probably going to register 'too many' services, but is that really a problem?

Dispatchers by convention

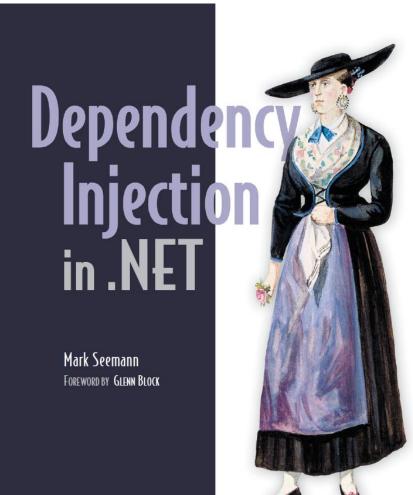
Services by convention in daemon

What more?

- Convention-based unit tests
 - Protocol specifications
 - Grensesnitt (NUnit)
 - Guard clauses
 - AutoFixture

Convention over Configuration

- Without conventions there is no consistency
- Conventions are implemented by a mechanism
- If you can describe the convention, you can implement it



http://blog.ploeh.dk/ @ploeh

MARK SEEMANN

