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ASP.NET Dynamic Data –

Creating Data Driven Websites at the speed of your thinking

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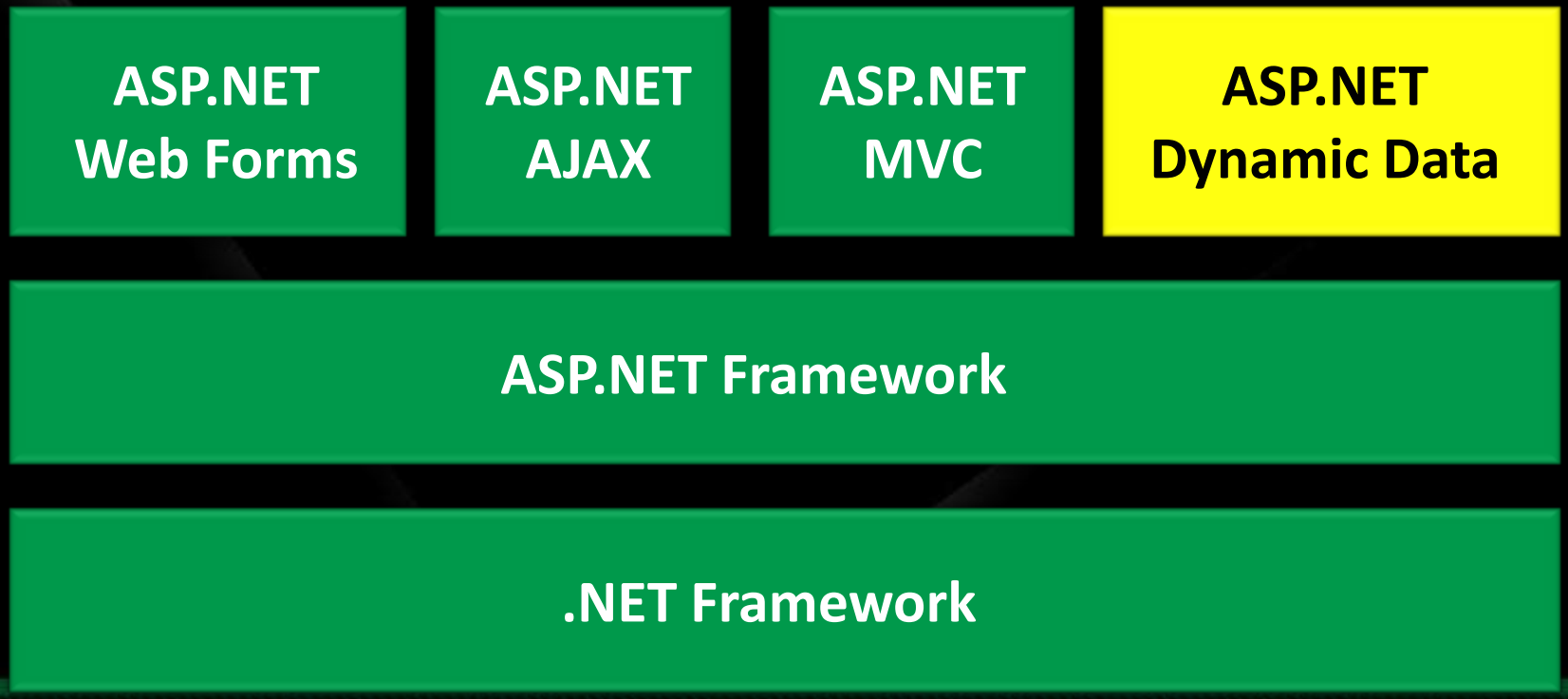
Session Objectives

- Understanding Data Driven Apps today
- Current approach and possiblities - v1
- Rapid Business Layer Generation - BusinessDatasource
- Fire it up with / without Dynamic Data
- Its all about your choice

One more approach

ASP.NET supports several very different types of web applications



Dynamic Data – v1 (VS2008 SP1)

- Shipped with VS 2008 SP1
- Provides basic scaffolding
- Works with LINQ to SQL & Entity Framework

demo

Quick recap of Dynamic Data v1

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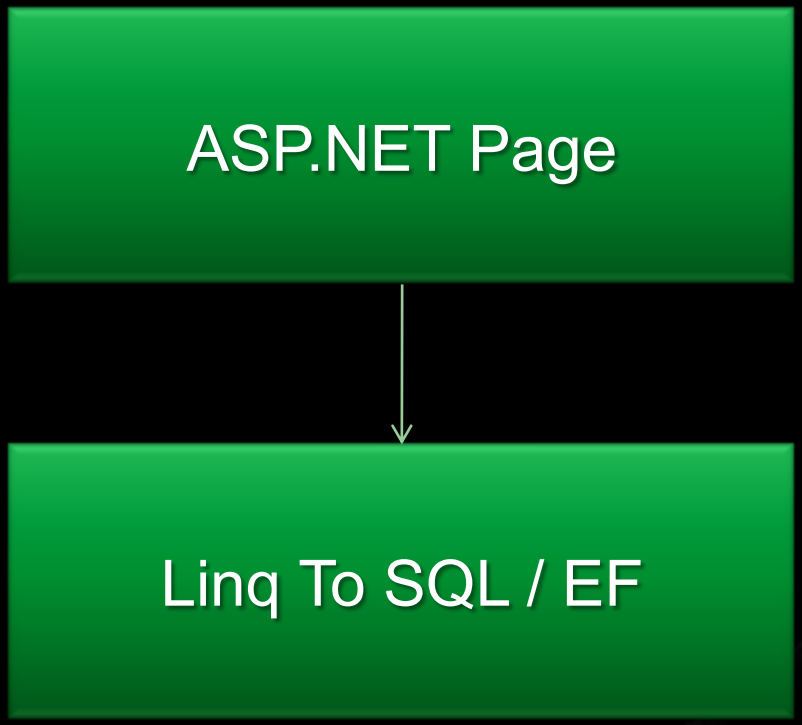
Concerns you had

- Tighter integration between UI and Data
- Scope for business rules - limited
- Not extensible with regular Webforms

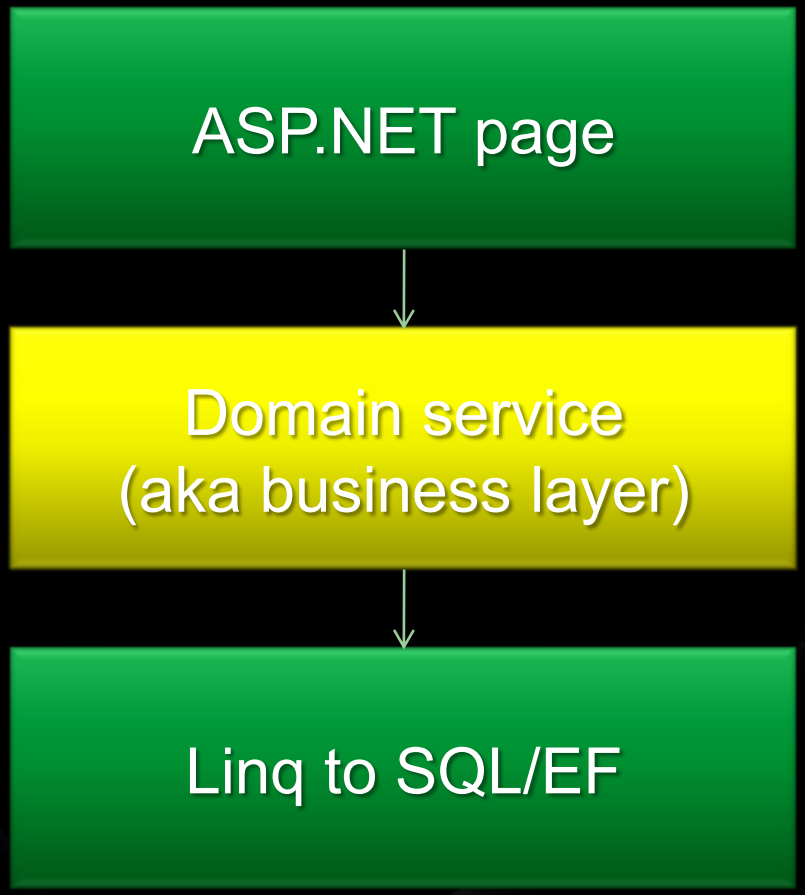
Data Source History lesson

- 1.0: No data sources
- 2.0: ObjectDataSource
- 3.5: LinqDataSource
- 3.5 SP1: EntityDataSource
- Future: DomainDataSource

Using LinqDataSource/EF



Using DomainDataSource



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Creating a Middle Tier – Domain DataService

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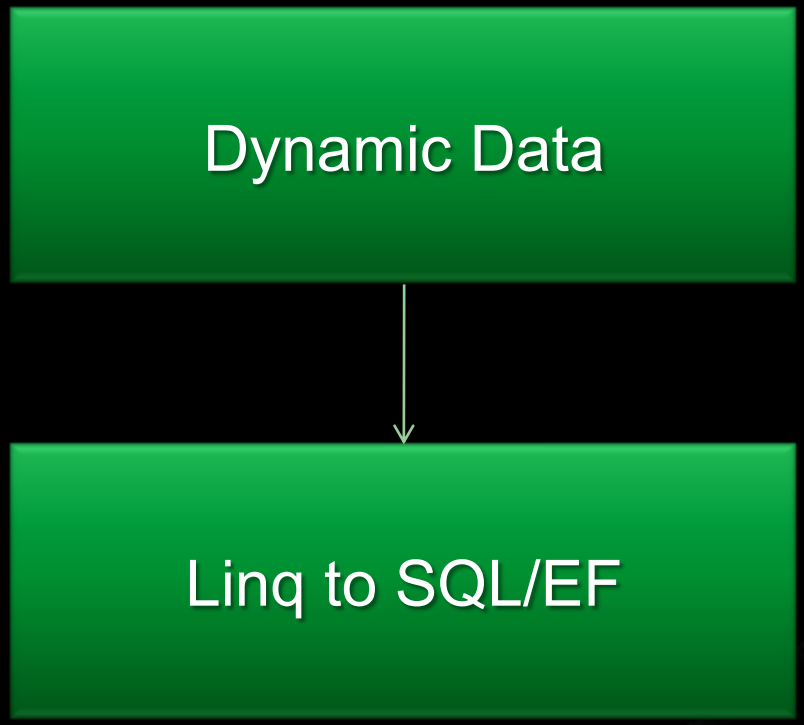
What is Dynamic Data – v2

- Powerful way to build data-driven sites
- Get started quickly using scaffolding
- Much more than scaffolding!
- Fully customizable
- Validation and business rules on model
- Powerful filtering
- Flexible URL routing

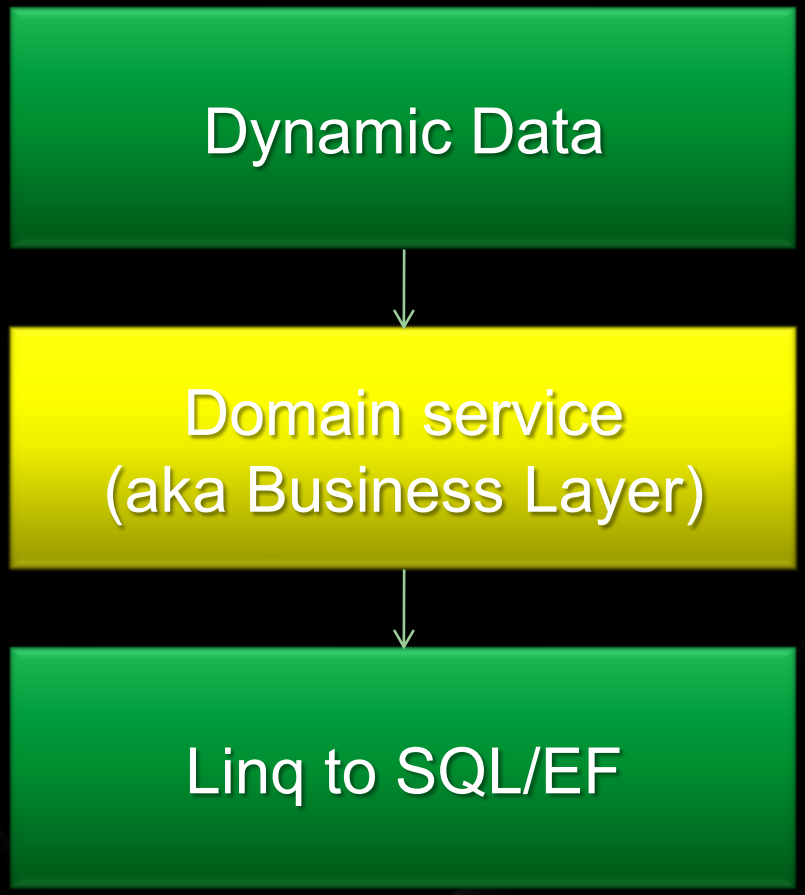
Better with DomainDataSource

- Use Dynamic Data with DomainDataSource
- Best of both world
  - All the power of Dynamic Data
  - All the control of DomainService

DD with LinqDataSource/EF



DD with DomainDataSource



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Dynamic Data with DomainDataSource

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Improve ‘regular' aspx Pages

- Scenario: Reduce code in regular pages
- Validation
  - Validation in data model instead of individual pages. Change in one place affects entire site
- Field templates
  - Add custom controls in one place instead of in each of your pages
  - Enable custom controls on model

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Use in Regular Pages

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Key Takeaways

- Dynamic Data moving away from just scaffolding
- Use in regular web forms
- Combined with RIA Services create functional web apps, very quickly
- Data Driven design approach is here !

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Thank You!

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question & answer

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ADO.NET Data Services (Middle Tier Service Components – Day 2 – Session 2)

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Track Resources

Read about this: http://www.asp.net/dynamicdata

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