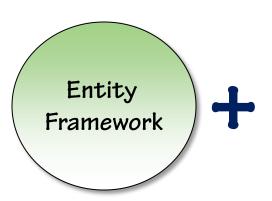
Building Applications with ASP.NET MVC

Data part 1 of 2 K. Scott Allen



Data (Part I)



```
public class Restaurant
{
    public int ID { get; set; }
    public string Name { get; set; }
    public Address Address { get; set; }
}
```



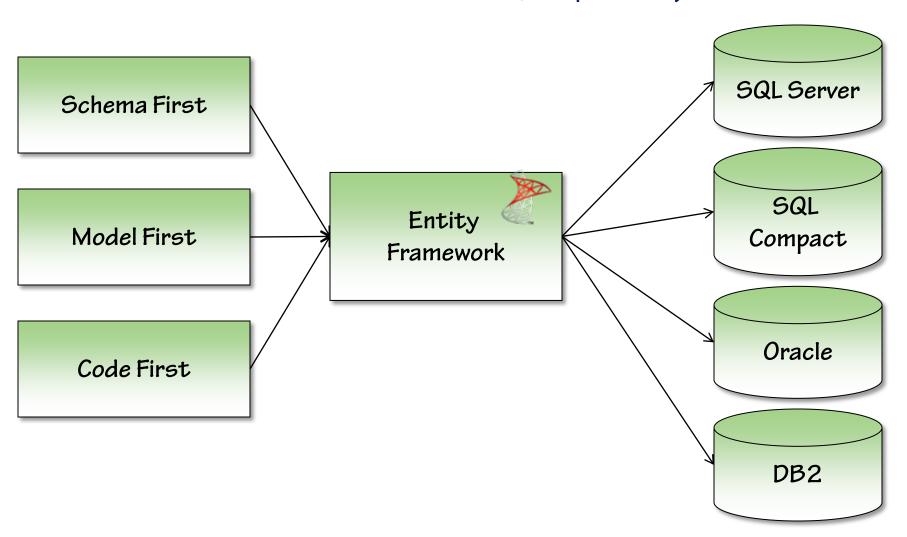


A Couple Changes ...

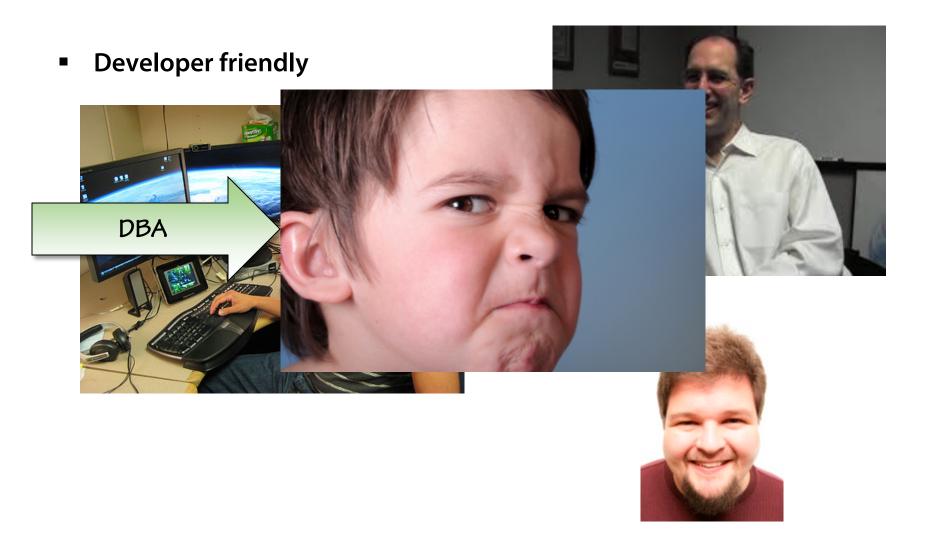
```
public static class RestaurantReviewQueries
    public static IEnumerable<Review> FindTheLatest(
        this IQueryable<Review> reviews, int numberOfReviews)
    {
        return reviews.OrderByDescending(r => r.Created)
                      .Take(numberOfReviews);
    }
    public static Review FindById(
        this IQueryable<Review> reviews, int id)
        return reviews.Single(r => r.ID == id);
    public static Review FindTheBest(
        this IQueryable<Review> reviews)
        return reviews.OrderByDescending(r => r.Rating).First();
```

The ADO.NET Entity Framework

Access a relational data base with strongly-typed LINQ queries



Code First



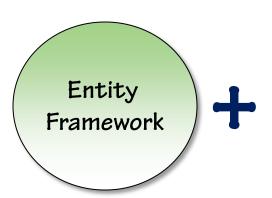
LINQ

Comprehension Query Syntax

Extension Method Syntax

```
var query = _db.Restaurants
    .Where(r => r.Country == "USA")
    .OrderBy(r => r.Name)
    .Skip(10)
    .Take(10);
```

Summary



```
public class Restaurant
{
    public int ID { get; set; }
    public string Name { get; set; }
    // ...
}
```

