

Creating Database-First Models

Reverse Engineering a Legacy Database
into an Entity Data Model



Overview

- Review model creation strategies with Entity Framework
- Create a model from the AdventureWorksLT Database
- Explore the model
- Make minor customizations to the model
- Update the model from the database

Modeling in Entity Framework

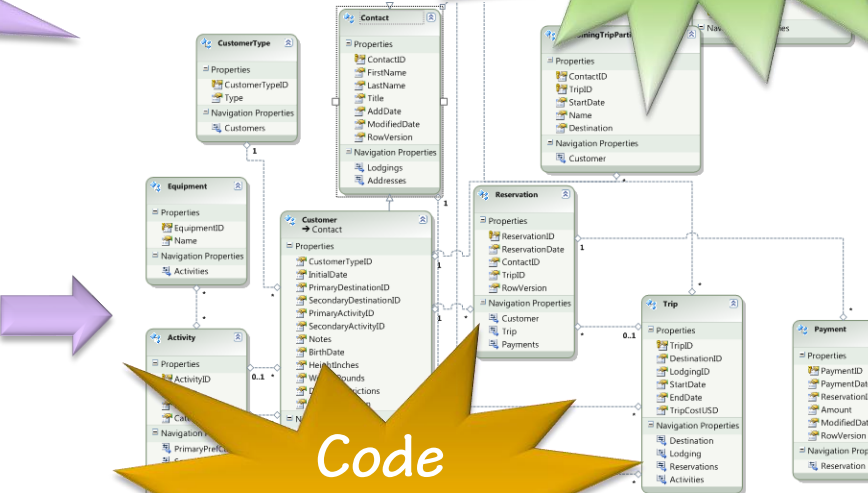
Database
First

Model
First

Legacy
Database

New
Database

Code
First



```
public class Contact
{
    public Contact()
    {
        Addresses = new List<Address>();
    }
    public int ContactId { get; set; }
    public string FirstName { get; set; }
    public string LastName { get; set; }
    public string Title { get; set; }
    public DateTime AddDate { get; set; }
    public DateTime ModifiedDate { get; set; }
    private string Gender { get; set; }
    public ICollection<Address> Addresses { get; set; }
}
```

Summary

- Use Database First modeling for legacy databases
- Customize the model to better reflect your business domain
- Updates from database do not impact the conceptual model

References

- **Pluralsight On Demand**
 - <http://www.pluralsight.com>
- **Programming Entity Framework, 2nd Edition, Julie Lerman**
 - O'Reilly Media, August 2010
 - <http://www.learnentityframework.com>
- **Microsoft Data Developer Center**
 - <http://msdn.com/data>