

# Organizing the Generated Code



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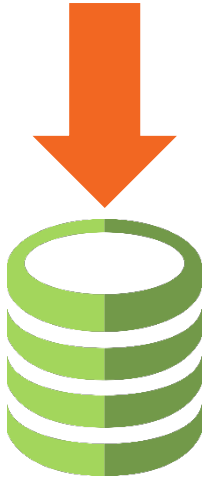
# Elements Enumeration

```
[Flags]
private enum Elements
{
    Poco = 1,
    Context = 2,
    UnitOfWork = 4,
    PocoConfiguration = 8
};
```

# Elements to Generate

## Poco

```
public class CustomerAndSuppliersByCity
{
    1 reference
    public string City { get; set; }
    2 references
    public string CompanyName { get; set; }
    1 reference
    public string ContactName { get; set; }
    2 references
    public string Relationship { get; set; }
}
```



## Poco Configuration

```
public class CustomerAndSuppliersByCityConfiguration
    : EntityTypeConfiguration<CustomerAndSuppliersByCity>
{
    1 reference
    public CustomerAndSuppliersByCityConfiguration() : this("dbo") { }

    2 references
    public CustomerAndSuppliersByCityConfiguration(string schema)
    {
        ToTable(schema + ".Customer and Suppliers by City");
        HasKey(x => new { x.CompanyName, x.Relationship });

        Property(x => x.City).HasColumnName("City").HasMaxLength(15);
        Property(x => x.CompanyName).HasColumnName("CompanyName").HasMaxLength(40);
        Property(x => x.ContactName).HasColumnName("ContactName").HasMaxLength(30);
        Property(x => x.Relationship).HasColumnName("Relationship").HasMaxLength(9);
    }
}
```

# Elements to Generate

## Unit of Work

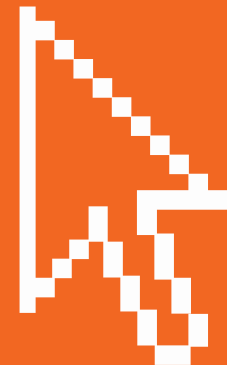
```
public interface IMyDbContext : IDisposable
{
    3 references
    DbSet<Category> Categories { get; set; }
    13 references
    DbSet<Customer> Customers { get; set; }
    3 references
    DbSet<Employee> Employees { get; set; }
    3 references
    DbSet<Invoice> Invoices { get; set; }
    3 references
    DbSet<Order> Orders { get; set; }
    3 references
    DbSet<OrderDetail> OrderDetails { get; set; }
}
```

## Context

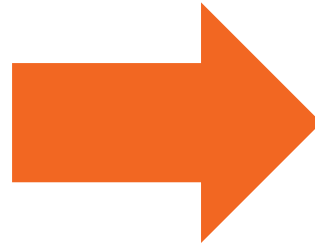
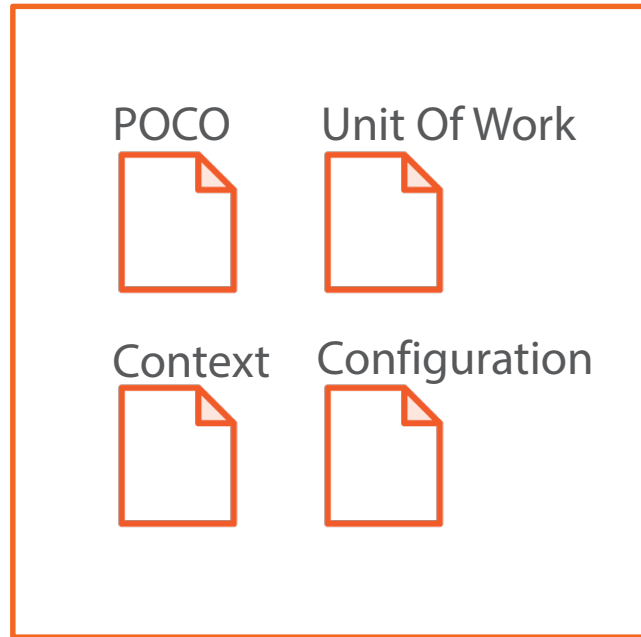
```
public class MyDbContext : DbContext, IMyDbContext
{
    3 references
    public DbSet<Category> Categories { get; set; }
    13 references
    public DbSet<Customer> Customers { get; set; }
    3 references
    public DbSet<Employee> Employees { get; set; }
    3 references
    public DbSet<Invoice> Invoices { get; set; }
    3 references
    public DbSet<Order> Orders { get; set; }
    3 references
    public DbSet<OrderDetail> OrderDetails { get; set; }
}
```

# Demo

- Update the generator
- Separate the code out into separate folders
- Generate code into separate projects



# Separating Generated Code into Projects



NuGet package



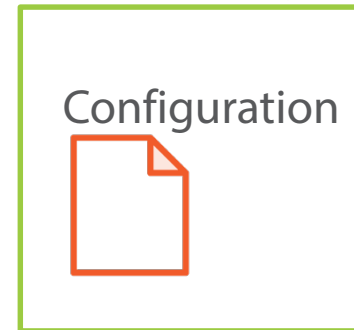
NuGet package



NuGet package

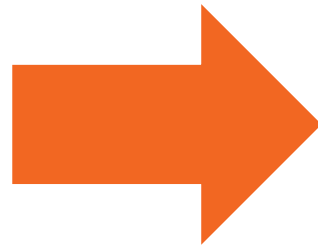
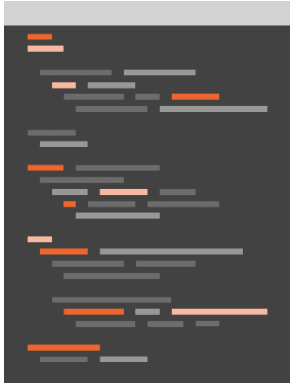


NuGet package

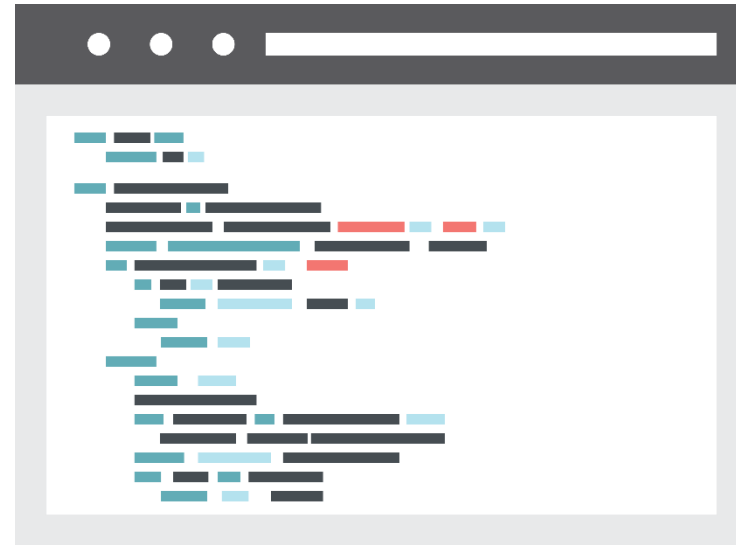


# POCO Folder

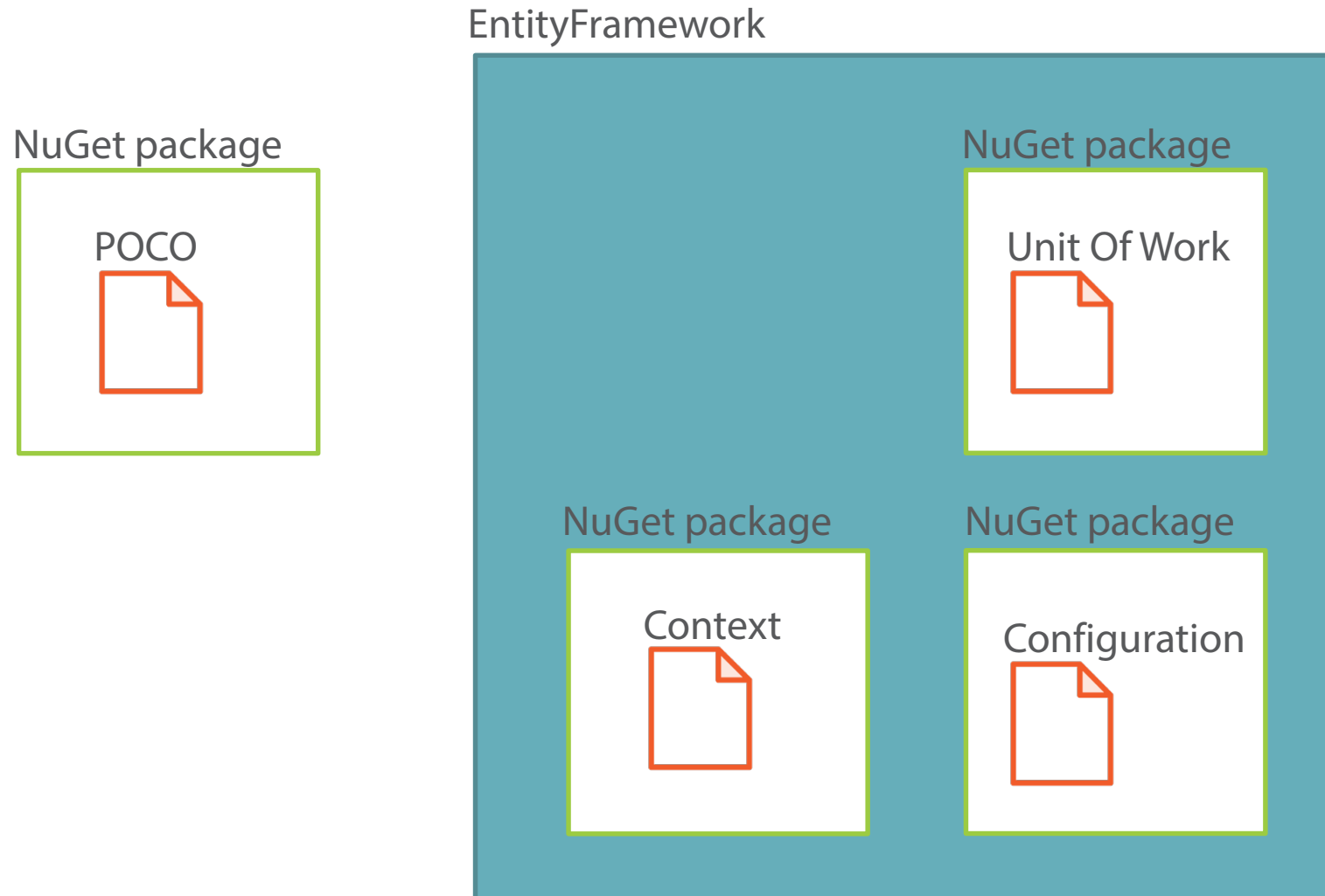
Invoice



Invoice Validation Business Logic

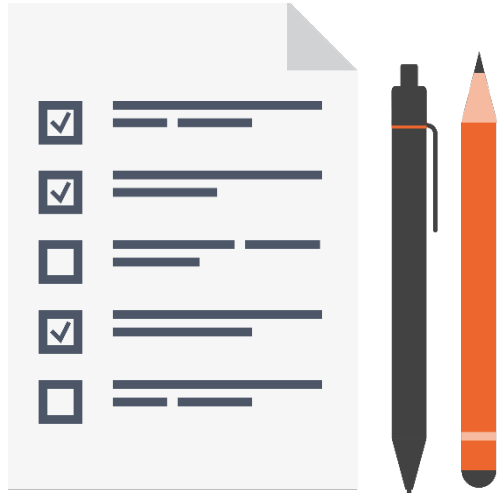


# Separating Generated Code into Projects





# Summary



- Updated the generator
- Separated the code out into folders
- Generated code in separate projects