

CodeFluent Entities

Turn your business into code!

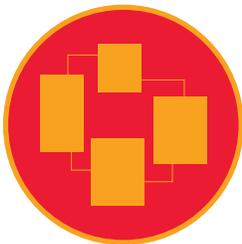


Create **high-quality software** always aligned with your business!

CodeFluent Entities is a product integrated into Visual Studio that creates your application foundations.

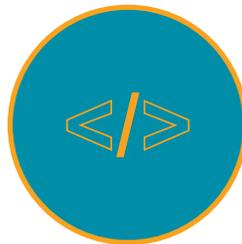
Minimize heavy plumbing work and internal framework development by generating your data access layers.

Keep your business in sync with your software implementations and focus on what makes the difference.



MODEL YOUR BUSINESS

Leverage the graphical modeler to define your business model in a centralized place



DEFINE YOUR FOUNDATIONS

Generate a direct translation of your model into ready-to-use data and business layers



DEVELOP YOUR APPLICATIONS

Build modern applications by focusing on your high-value custom code

soft<luent

Innovative software company founded in 2005 by Microsoft veterans



MODEL YOUR BUSINESS

Leverage the centralized platform-independent model describing your business application thanks to the Visual Studio integrated Modeler.

MODEL-FIRST

Transform your business into a model using a natural and visual modeling approach

VISUAL STUDIO INTEGRATION

The graphical modeler is fully integrated in Microsoft Visual Studio (from 2008 to 2015)

APPLICATION-WIDE

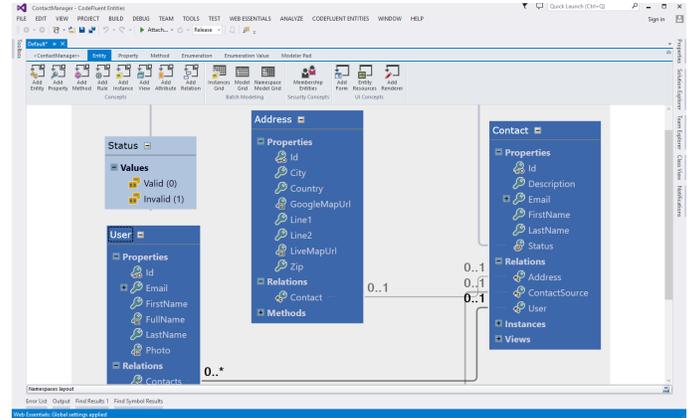
Apply application-wide changes in a few clicks such as cache and naming conventions

ABSORB FUNCTIONAL CHANGES

Improve your agility by accepting model changes at any time

IMPORT YOUR DATABASE

Create your model in minutes by importing your existing database schema and data



DEFINE YOUR FOUNDATIONS

From your business model, CodeFluent Entities generates Transact-SQL scripts and C# code. Focus on what makes the difference.

Classic development model



Your App Logic
Web, Components, Services

Data Access Layer
Plumbing code and business behaviors

SQL Server Persistence Layer
Schema and stored procedures

■ Effortless generated code ■ Your code

CodeFluent Entities



HUMAN-READABLE

No code generated at runtime, everything is human-readable and can be changed

REDUCE DEPENDENCIES

Minimize heavy plumbing work and internal framework development

CONTINUOUSLY GENERATE

Update your model and ensure consistency across all layers

MINIMIZE RISK

Less manual code means fewer bugs and effortless maintenance

EXTENSIBILITY

Generated code is composed of Standard .NET partial classes

INCREMENTAL UPDATES

The Microsoft SQL Server differential engine enables hassle-free schema updates

DEVELOP YOUR APPLICATION

Create your application by using the generated data access layer composed of .NET classes.

SIMPLE AND RELIABLE

Out-of-the-box CRUD operations and validation are supported without a single line of code

PAGINATE YOUR DATA

All the loading methods support server-side paging

DATA ACCESS LAYER

Simplified access to data stored in your SQL Server storage

DATABASE SORTING

Sorting is done in the persistence layer to ensure optimal performances

```
static void Main(string[] args)
{
    Customer customer = Customer.LoadByName("Contoso");

    customer.Name = "Contoso Cie";
    customer.IsProspect = false;
    customer.Save();
}
```