



Enterprise Application Development Framework
for the .NET platform

www.habanerolabs.com

Developed by:



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About Habanero and Firestarter



Habanero is a free open source Enterprise Application Development Framework for .Net. Habanero provides the developer with a tool to produce an agile application, from the data layer through to the front-end.

Habanero:

- persists data to and from the database using object relational mapping (ORM),
- manages business objects to support a rich domain model,
- and generates user interfaces at runtime to display and edit the mapped data.

Habanero ships with a free tool called FireStarter. Firestarter provides a visual interface for the creation of your domain model objects and rules as well as your application code.



FireStarter:

- allows a developer to iteratively generate all of the domain model code (as well as supporting Test Fixtures) for his application,
- supports the ability to reverse engineer an existing database and create a domain model that matches the database's structure and rules.

FireStarter with Habanero makes the development and maintenance of applications faster, easier, and more reliable.

**Contact sales@chillisoft.co.za or
support@chillisoft.co.za for**

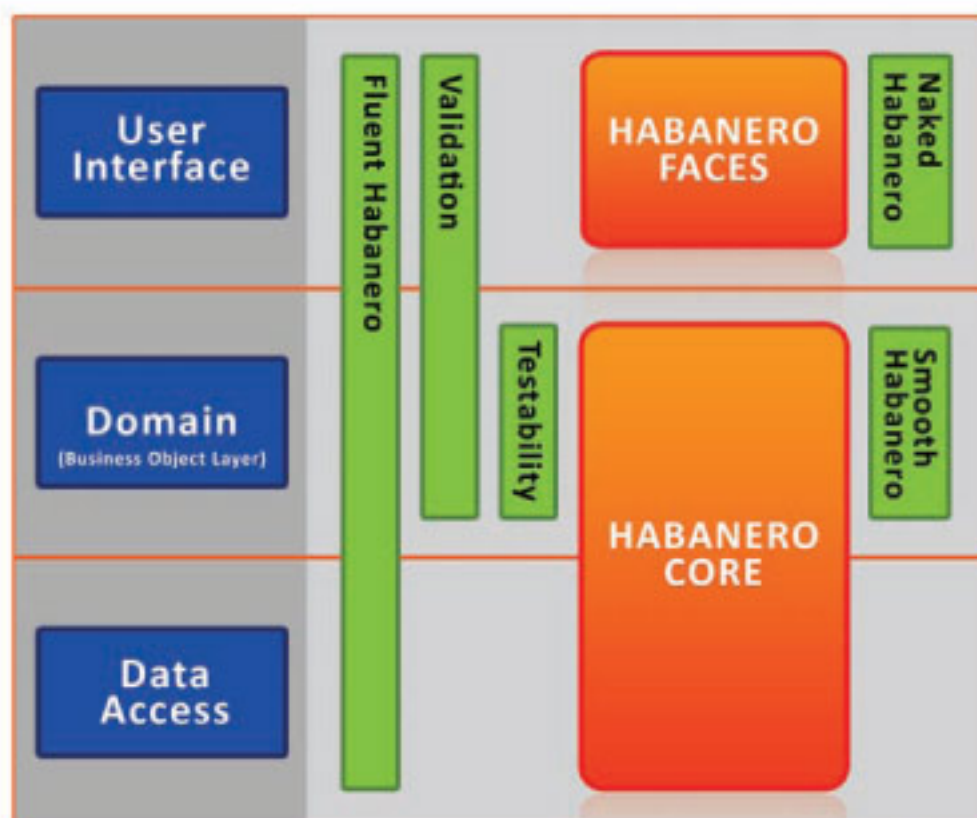
- Paid support or
- Product development using Habanero



Habanero SDK

FREE OPEN-SOURCE SOFTWARE (LGPL 3.0 licence)

User's Project:



Habanero is free, modular, extendable & pluggable

Habanero Core contains the Business Object and ORM layers.

Habanero Faces is the set of user interface libraries for use with Habanero Core. You can use Faces to build Windows Forms or Visual WebGUI user interfaces for your business objects quickly and easily.

Smooth Habanero is a library that creates automatic mappings between your Habanero business object classes and your data store. If you're tired of configuring xml mapping files and you don't want to use an external domain modeller (such as FireStarter), but instead want to just code your domain model and have it automatically mapped to the database then Smooth Habanero is the way to go. It looks at your classes and creates mappings between them and your database by convention. It also allows you to configure these mappings by using .NET attributes.

Naked Habanero implements naked object pattern which automatically builds forms and grids to view and edit your business objects, without requiring XML configuration. Naked Habanero is designed for use with Habanero Faces.

Testability is a framework that allows you to easily test your business object and logic layer. Testability is designed to work with Habanero Core.

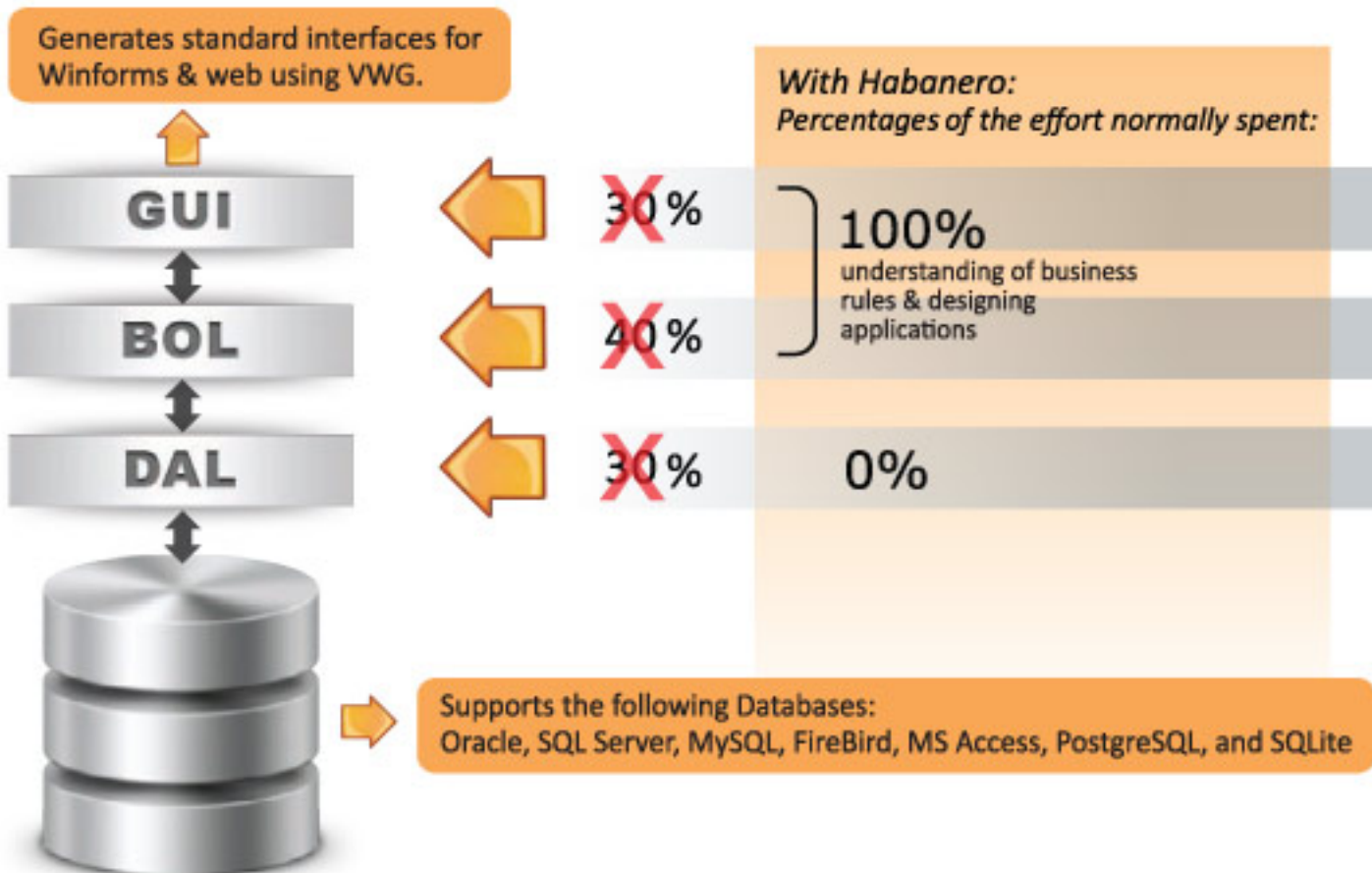
Coming Soon - Fluent Habanero, validation

Why Use Habanero?

In Business Terms:

- Development time is decreased drastically.
- No mistakes are made writing the 'scaffolding'.
- Developed by experts.
- DAL and Business objects are immediately available.
- Generation of standard user interfaces
- Habanero is **100% test driven** therefore increasing robustness
- A rich framework is available, so developers have more time to focus on implementing business rules and logic

DAL, business objects, standard interfaces are immediately available.



...So Developers Only Have to Focus on...

- ✗ Databases Technologies, SQL
- ✗ Application Security
- ✗ Logging and Exception Handling
- ✗ Concurrency Control
- ✗ Distributed Systems and Synchronisation
- ✗ Windows Applications, Web Applications
- ✗ AJAX, Silverlight.
- ✗ Mobile Applications
- ✗ ASP, Java Script.
- ✗ IIS
- ✓ Understanding Customers Business
- ✓ Business Modelling
- ✓ Domain Driven Design
- ✓ Test Driven Development
- ✓ User Interface Design
- ✓ Prototyping
- ✓ Usability Testing

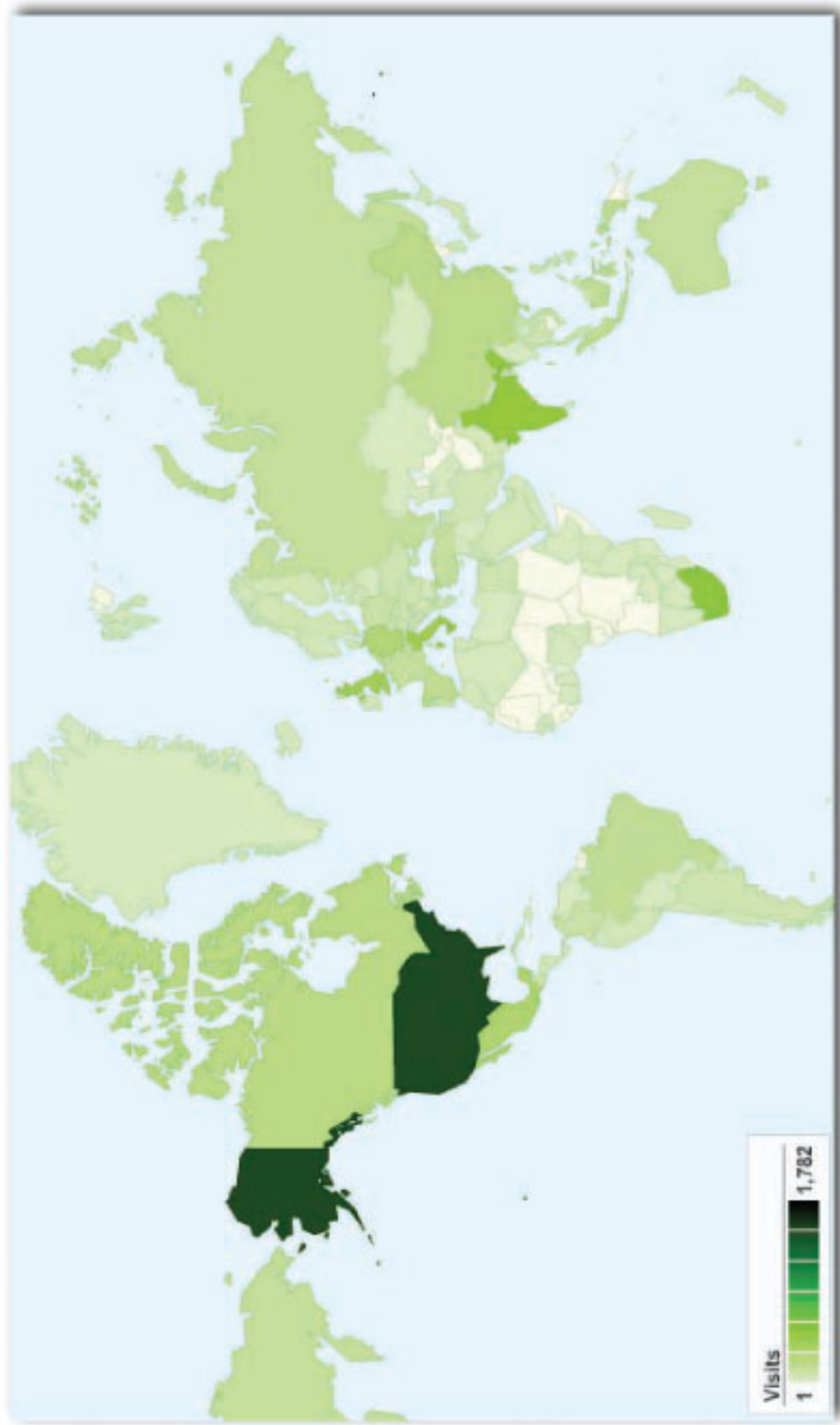
Differentiating Factors

- Habanero is metadata driven therefore there is minimal templated code generation, making your application easier to maintain and extend.
- Handles the persistence technology, concurrency control, transactions and audit logging for you, without any additional effort.
- The security and validation of the object model is supported at the domain model and UI level of the application.
- Easily persists to and from multiple data sources.
- Has a even a highly efficient in-memory data store (perfect for testing and delayed persistence).
- The framework is currently covered by more than 7500 unit and acceptance tests and the core domain layer library has a **test coverage of 90%**.

Habanero is developed to support domain driven design and development.

Habanero Map

Habanero downloads and visits, used in 160 countries:



Customer Quotes



"I've been using your product for more than two months and I love it. I deployed my first WPF application in production last week and the application, which uses Habanero, performs very well. Thanks for producing such a great ORM, the best of its kind."

Ricardo Jardim

"Habanero, is a great and powerful ORM. It's free (LGPL license), works with .net 2.0 (it's very important for me) and has powerful tools for generating model from database (with custom class and property names, custom validation etc)."

Drucik, Poland



"I came across this framework two weeks ago. In two weeks, I was able to implement it and have a fully operational WPF solution. Habanero is the best Open Source Framework for .Net. Going forward, I will use it in all my web and desktop applications."

Anonymous

"Like the automatic generation of User interface,...thank you so much and more power to Chillisoft!"

Rapido, Philippines



"The impressive parts for me are that the entire architecture is fully Test Driven and ships with the ability to swap in a Memory Database. The In Memory database really allows you to develop your project in an agile manner. The community and forum is active and the Framework has already had several new releases in the 7 months I have been working with it."

Fred

"Great job on such a wonderful framework! I found FireStarter to be an excellent way for me to reverse engineer my database and customize my business objects."

CitizenBane



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