“Technology is nothing. What's important is that you have a faith in people, that they're basically good and smart, and if you give them tools, they'll do wonderful things with them.”

– **Steve Jobs**

## Introduction

The present document is focused on a best practice methodology for driving software processes, without expanding into vertical markets.

Formall technology architecture is based in a three tier client/server structure:

1. Presentation Layer
2. Application Layer
3. Persistence Layer

Here the application layer represents a single or multiple applications composing the business, which agnostic of the persistence of its objects or their visual presentation, limiting it to its logic and inherent processes. In technical words: separation of concerns.

All the applications share a common framework, the magic glue that connects the business objects with the persistence and presentation layers.

It is our meaning not to link this technology to specific implementation of persistence or presentation, which are quiet large in number of choices; for that we propose a common driver model. Each driver will act as a wrapper around 3rd party implementation and expose a common set of features, or implement them if needed.

Our primary target is web applications. And the recent development of software technologies allows us to extend it to devices, at a low cost.

**Database**

**Microsoft SQL Server**

**Oracle Database**

**Oracle MySQL**

**Amazon DynamoDB**

**MongoDB**

**CouchDB**

**RavenDB**

**Browser**

**Twitter Bootstrap**

**Google Angular**

**Sencha Ext JS**

**Sencha Touch**

**Telerik KendoUI**

**JQuery UI**

**JQuery Mobile**

**Device**

**PhoneGap**

**Windows RT**

**Xamarin**

**Native**

**Framework**

**Driver**

**Driver**

**Business**

**Persistence**

**Presentation**

# The Framework

"Some of the world's greatest feats were accomplished by people not smart enough to know they were impossible."

**– Doug Larson**

The framework to the application if what the dark matter is to all of us, and all around us. It connects every component, from the smallest and the largest. It gives meaning to existence, even if we are not aware of its own existence.

## The Metadata

“True simplicity is derived from so much more than just the absence of clutter and ornamentation. It’s about bringing order to complexity.”

**– Tim Cook**

### Document

IDocument interface

#### Entry

IEntry interface

#### Value

IValue interface

#### Collection

ICollection interface

#### Dictionary

IDictionary interface

### Validation

IValidatable interface

### Schema

Schema class

#### Segment

ISegment interface

#### Domain

Domain class

#### Area

Area class

#### DataType

DataType class

#### Value

Value class

#### List

List class

Item class

#### Model

Model class

Field class

#### Magnitude

Magnitude class

Length

Mass

Unit class

#### Money

An order of magnitude is a scale of numbers with a fixed ratio, often rounded to the nearest ten.

Money class

Currency class

## The Driver

“Give me a lever long enough and a fulcrum on which to place it and I shall move the world.”

**– Archimedes**

The driver is the muscle, the actuator. It transforms the meaning to action.

### Persistence Context

IDocumentContext interface

### Presentation Script

# The BUSINESS

"If you don't know where you are going, you'll end up someplace else."

**– Yogi Berra**

## Business Object

"I am, I exist, whenever it is uttered from me, or conceived by the mind, necessarily is true."

**– René Descartes**

## Business Logic

## Business Area

# The Persistence

“When you come to a fork in the road, take it!”

**– Yogi Berra**

## Persistence Driver Model

“In theory, there is no difference between theory and practice. But in practice, there is.”

**– Yogi Berra**

## NON SQL

### File System

### Zip Package

### Raven DB

## SQL

### Microsoft SQL Server

# The Presentation

“I will not say I have failed 1000 times; I will say that I have discovered 1000 ways that can cause failure.”

**– Thomas Edison**

## Presentation Driver Model

### Sencha Ext JS

### Sencha Touch

### Google Angular

### Twitter Bootstrap

## Packaging

### PhoneGap

## Serialization

### JSON

### XML

## Syndication

## Template

### Google Angular + Twitter Bootstrap

# Miscellaneous

## Using ASP.NET MVC

## Document and Message Exchange