**Atlantis.Data**

Description: This framework will be based on CodeIgniter’s Database “Active Record” class with some modifications to make I work in C#.

Classes

* IQueryBuilder
  + IQuery Build()
    - This formats the query into a pre-formatted query built using the query builder, returning an IQuery object
  + IQueryBuilder Select(string column)
    - Tells the query builder what column(s) to select
  + IQueryBuilder Select(string[] columns)
    - Same as above, but with multiple columns
  + IQueryBuilder From(string tableName)
    - Tells the query builder, from what table to select data from
  + IQueryBuilder Where(string column, object value)
    - Tells the query builder the conditions to use on selecting data (or updating/deleting)
  + IQueryBuilder Limit(int limit, int offset = 0)
    - Tells the query builder what to offset/limit the results or affected rows of the query (update/delete)
  + IQueryBuilder Join(JoinStyle type, string table, string condition)
    - Tells the query builder that we’re appending another query via JOIN queries to the current query
  + IQueryBuilder Insert(string table, IKeyValuePair data)
    - Builds an insert query
  + IQueryBuilder Update(string table, IKeyValuePair data)
    - Builds an update query
  + IQueryBuilder Delete(string table, IKeyValuePair data)
    - Builds a delete query
* IQuery
* IDatabaseEngine
* DriverLoader (static class)
  + bool LoadDriver(string driverName, string path = “”)
    - Load a specific driver, driverName is without the .dll extension; path is optional, but it tells the Loader where to look for the file, otherwise, it’ll try the GAC and the main application directory.
  + string[] GetDrivers()
    - Gets a list of loaded drivers
  + bool UnloadDriver(string driverName)
    - Unloads a driver that has already been loaded

Example Usage

IQueryBuilder builder = new MySqlQueryBuilder(“myConnectionStringGoesHere”);

IQuery q = builder.Select(“\*”)

.From(“table”)

.Where(“column”, “value”)

.Where(“column2”, 124)

.Limit(100, 10).Build();