LinqToWeb

Content

[Introduction 3](#_Toc253917754)

[Language 3](#_Toc253917755)

[Framework 3](#_Toc253917756)

[Compiler to C# 3](#_Toc253917757)

# Introduction

What? Why? Where? Extraction on the “live” web is performed. An abstraction over more websites is defined.

# Language

Language grammar

Elements (classes, methods, blocks, foreach, contexts, method call, literals, variables declaration, type cast, adding elements to lists, operators, no IF, no RETURN)

Reason – minimalistic, more declarative, able to transform extracted data into any unified form

# Framework

How does it work? (Diagram – framework, application, compiled code)

Base objects – classes and lists, Action lists, DoNextAction method

ActionItem, Extraction method delegate

VariableList, ScopeStack

Calling actions, modifying arguments, filtering arguments

Extraction on request, diagram

Contexts, dynamic creating

Cache object (knowledge base)

Foreach methods

# Compiler to C#

* Element to what C# construct
* Adding elements to list in another object (a.list[] = x; // Convert to method call)
* Current context
* Context creating
* Foreach methods, “dynamic” variables
* Method call