# dotNetRDF Design Document

## dotNetRDF 0.5.0

Library: dotNetRDF.dll  
Version: 0.5.0  
Target Date: November 2011  
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Proposed Implementer: Rob Vesse  
Last Updated:

## Required Features

* Extend IRdfHandler and ISparqlResultsHandler to be available for use in every appropriate place

## Time Permitting Features

* TBC

## Known Issues/Bugs to Fix

* Any remaining bugs from the 0.4.x series

# Design

## Extend Handlers Interfaces

### 1 – Use with Query Processors

* Add an overload which takes a IRdfHandler and a ISparqlResultsHandler for processing the results as appropriate

### 2 – Use with IGenericIOManager

* Add a LoadGraph() method that takes a IRdfHandler instead of a IGraph
* Add a Query() method that takes a IRdfHandler and a ISparqlResultsHandler for processing the results

### 3 – Use with SparqlRemoteEndpoint

* Add QueryWithResultSet() and QueryWithResultGraph() methods that use ISparqlResultsHandler and IRdfHandler instead

### 4 – Use with all other Query Methods

Any method which executes a SPARQL Query should be capable of taking an IRdfHandler and a ISparqlResultsHandler for use as appropriate