

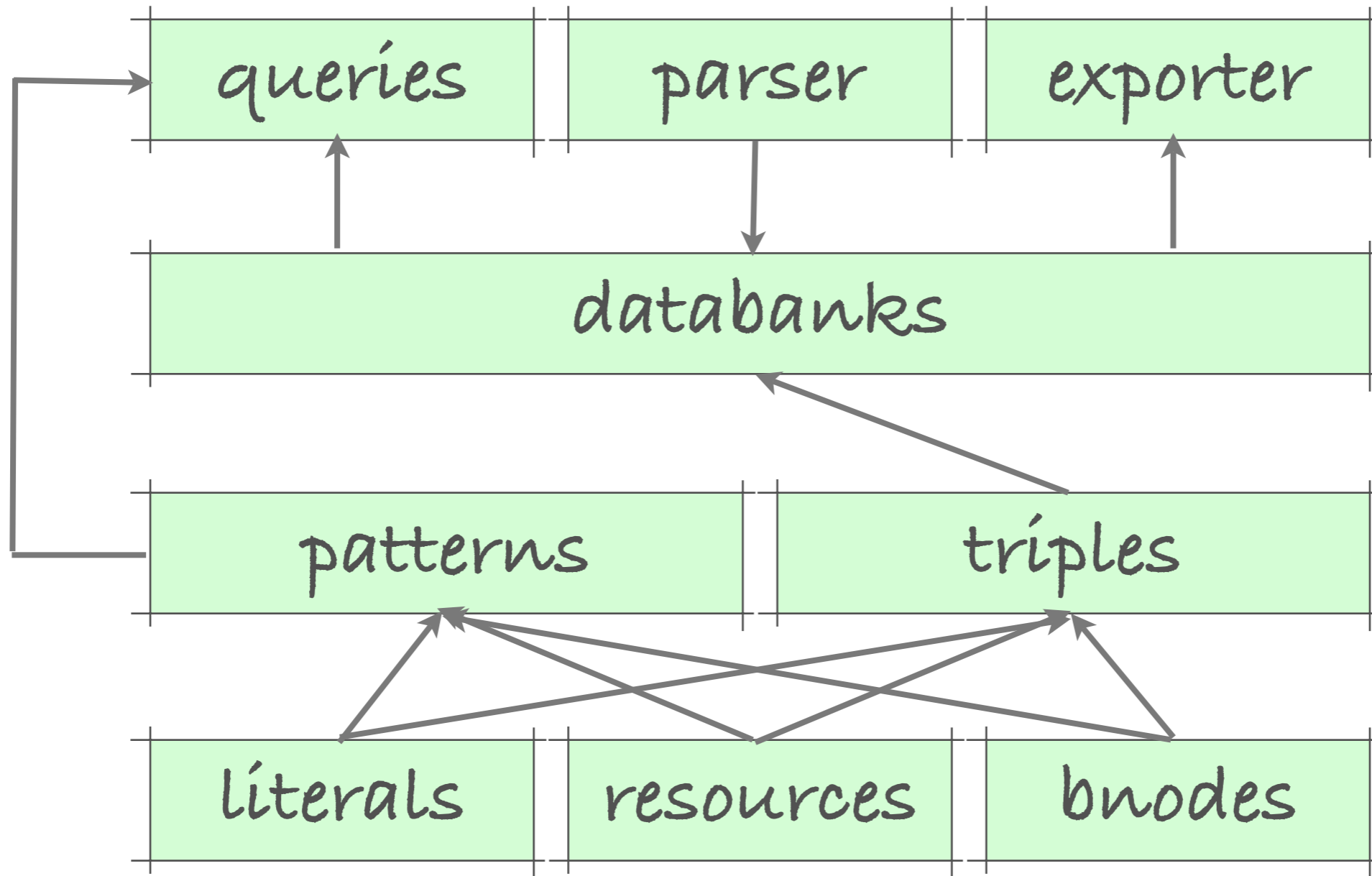
Editing RDFa with rdfQuery

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rdfQuery

- jQuery-based library
- Triplestore
- SPARQL-like querying
- RDFa parser
- RDFa creator

Architecture



RDFa-based Editing

- Generate RDFa
- Manipulate HTML
- Re-parse RDFa
- Submit to server
 - user-initiated or behind the scenes
 - JSON, RDFa, RDF/XML, changeset

RDFForms (mhausenblas)

Home

Bug

ID:

Priority:

Active:

The data of the form gets push-backed via a pushback controller to the RDF wrapper that wraps the non-RDF data source (the bug tracking system, in our case).

Result

The bug with ID 0815 has a priority of 2

IN-graph

```
array(6) {
  ["http://ld2sd.deri.org/pb/demo#fol"]=>
  array(2) {
    ["http://www.w3.org/1999/02/22-rdf-syntax-ns#type"]=>
    array(1) {
      [0]=>
      array(2) {
        ["type"]=>
        string(3) "uri"
        ["value"]=>
        string(34) "http://ld2sd.deri.org/pb/ns#RDFForm"
      }
    }
  }
  ["http://ld2sd.deri.org/pb/ns#field"]=>
  array(3) {
    [0]=>
    array(2) {
```

OUT-graph

```
array(2) {
  ["http://ld2sd.deri.org/pb/demo#fol.f3"]=>
  array(3) {
    ["http://www.w3.org/1999/02/22-rdf-syntax-ns#type"]=>
    array(1) {
      [0]=>
      array(2) {
        ["type"]=>
        string(3) "uri"
        ["value"]=>
        string(42) "http://ld2sd.deri.org/pb/ns#UpateableField"
      }
    }
  }
  ["http://ld2sd.deri.org/pb/ns#key"]=>
  array(1) {
    [0]=>
    array(2) {
```

Done

List Management (Talis)

The screenshot shows a web browser window with the following elements:

- Browser Title Bar:** Financial Accounting and Reporting | University of Plymouth
- Address Bar:** <http://lists.lib.plymouth.ac.uk/lists/abf203.html>
- Search Bar:** Google
- University of Plymouth Header:** Includes the university logo, navigation links (Home, My Lists, My Bookmarks, Sign in, Feedback), and a 'WIN £50' button.
- Section Title:** Financial Accounting and Reporting
- Metadata:** Used by [ABF203](#); Group by: Section | [Type](#)
- Table of Contents:** A button labeled 'Table of contents [show]'.
- Item Count:** (93 items)
- Recommended Text (2 items):**
 - Financial accounting and reporting** - Elliott, Barry., Elliott, Jamie. , 2008. Book
[Get this item | Availability, buying options and notes](#)
The 12th edition of Elliott and Elliott is the recommended text to buy for this module.
 - Financial Accounting and Reporting, 12/E - Pearson Education EMA Catalogue** Web Page
[Get this item | Availability, buying options and notes](#)
This is the companion website and student resources for the 12th edition
- Supplementary Resources (11 items):**
 - Financial reporting** - Association of Certified and Corporate Accountants. , 2003. Book
[Get this item | Availability, buying options and notes](#)
 - Financial reporting : International stream. [ACCA study text]** - Association of Certified and Corporate Accountants. , 2004 Book
[Get this item | Availability, buying options and notes](#)
 - Accounting Standards Board - Welcome** Web Page
[Get this item | Availability, buying options and notes](#)

Markup Demo

Mark it up!

file:///Users/Jeni/Documents/rdfquery/trunk/demos/markup/markup.html

Contacts ▾ Events ▾ Locations ▾ Tagspaces ▾ Bookmarks ▾ Resources (4) ▾ Options

People

- Charles Robert Darwin
- Robert Darwin

Places

- Shrewsbury, Shropshire, England

Charles Robert Darwin was born in Shrewsbury, Shropshire, England on 12 February 1809 at his family home, the Mount. He was the fifth of six children of wealthy society doctor and financier Robert Darwin, and Susannah Darwin (née Wedgwood). He was the grandson of Erasmus Darwin on his father's side, and of Josiah Wedgwood on his mother's side. Both families were largely Unitarian, though the Wedgwoods were adopting Anglicanism. Robert Darwin, himself quietly a freethinker, made a nod toward convention by having baby Charles baptised in the Anglican Church. Nonetheless, Charles and his siblings attended the Unitarian chapel with their mother, and in 1817, Charles joined the day school, run by its preacher. In July of that year, when Charles was eight years old, his mother died. From September 1818, he joined his older brother Erasmus attending the nearby Anglican Shrewsbury School as a boarder.

Darwin spent the summer of 1825 as an apprentice doctor, helping his father treat the poor of Shropshire. In the autumn, he went with Erasmus to the University of Edinburgh to study medicine, but was revolted by the brutality of surgery and neglected his medical studies. He learned taxidermy from John Edmonstone, a freed black slave who told him exciting tales of the South American rainforest. This experience gave him evidence that "Negroes and Europeans" were closely related

Note:

You can enter statements, such as:
Erasmus Darwin was Robert Darwin's father
or questions such as:
Who were Charles Robert Darwin's parents?

Confirmation will appear here.

JSON

Done

Roadmap

- Input/output more forms
 - RDF/XML in and out
 - RDF/JSON in and out
 - changesets (Talis) in and out
- Named graphs
- Rules and ontologies

Questions?