Annotations
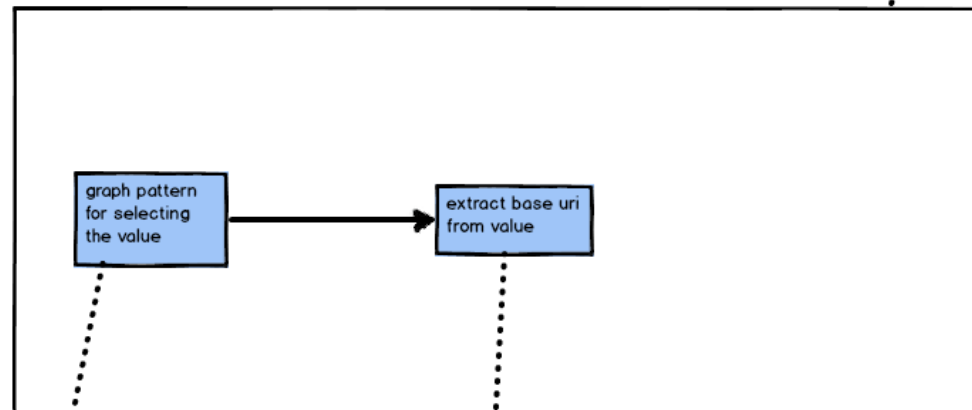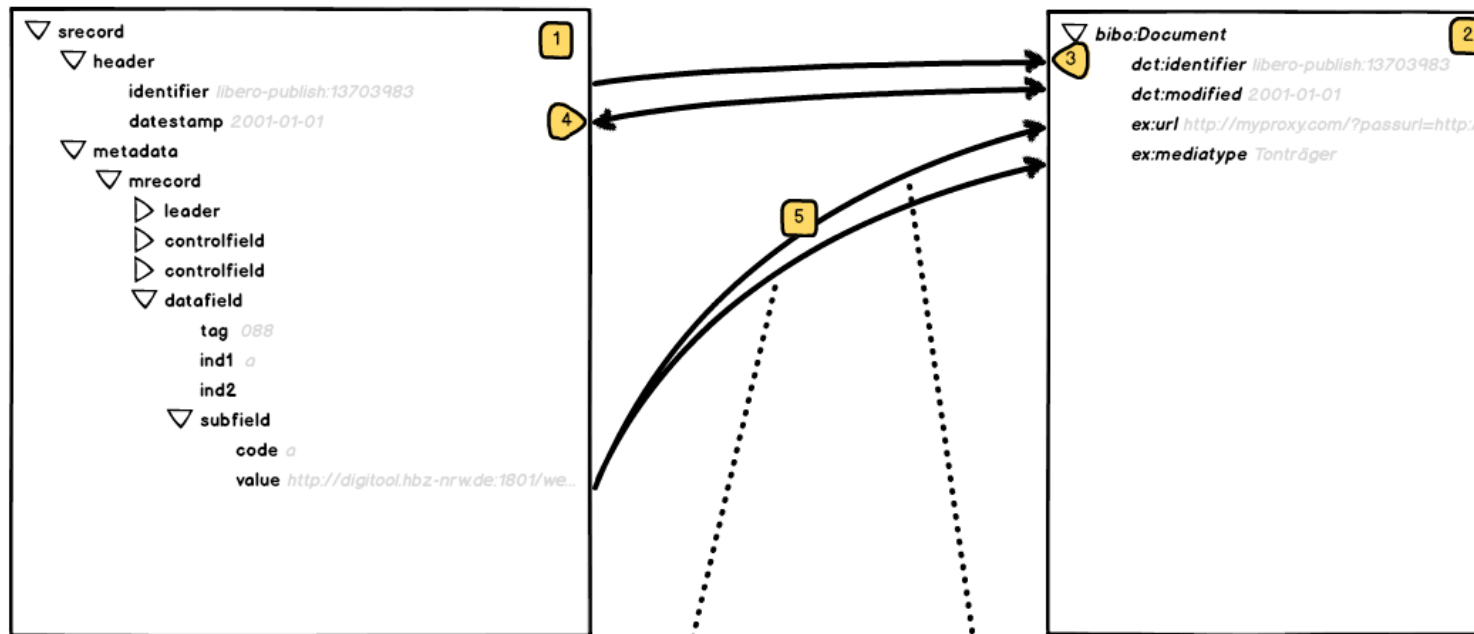
1 a source "schema on example" widget

2 a target "schema on example" widget

3 an uni-directional mapping from source to target

4 a bi-directional mapping from source to target

5 defines a more complex transformation workflow

6 a view that illustrates this transformation workflow more in detail

7 a view that illustrates one workflow step in detail

---

this is not really a schema view, but rather then a schema/structure by example view, since one cannot really reflect everything on a schema basis, see example below => so one probably always needs to work by "schema on example" and define a kind of mapping pattern (graph pattern that will be utilise for a single mapping, e.g., via SPARQL in the backend)

what are terms (first word in a tree entry)? - properties (relationships) or types

How to visualize element collections?

Widget 1 (srecord)

```
▽ srecord
  ▽ header
      identifier  libero-publish:13703983
      datestamp  2001-01-01
  ▽ metadata
    ▽ mrecord
      ▷ leader
      ▷ controlfield
      ▷ controlfield
      ▽ datafield
          tag    088
          ind1   a
          ind2
        ▽ subfield
            code   a
            value  http://digitool.hbz-nrw.de:1801/we...
```

Widget 2 (bibo:Document)

```
▽ bibo:Document
    dct:identifier  libero-publish:13703983
    dct:modified    2001-01-01
    ex:url          http://myproxy.com/?passurl=http://
    ex:mediatype    Tonträger
```

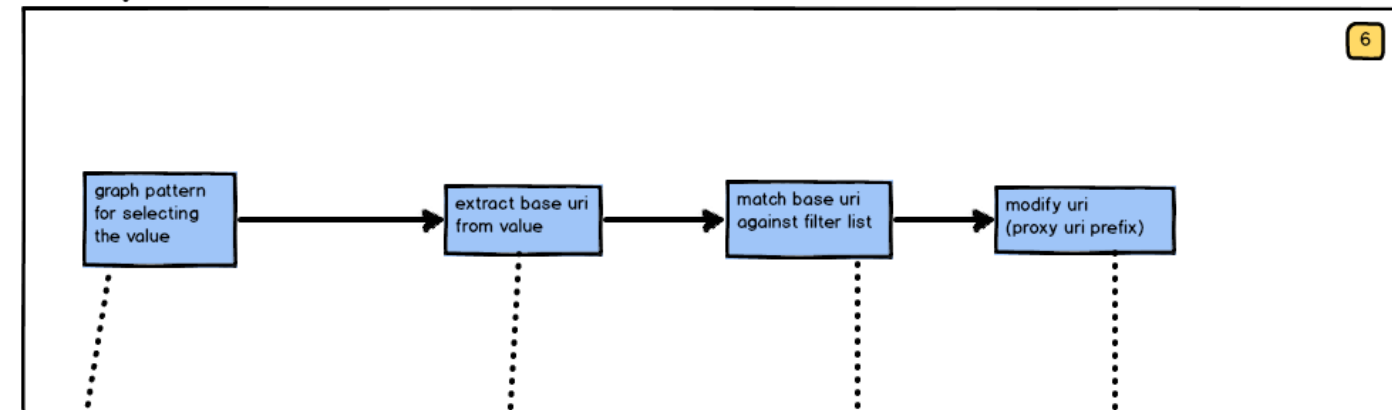**View 5 (bottom left)**

[graph pattern for selecting the value] → [extract base uri from value]

BIND(REPLACE(?mediatype2, "^.{5}a.*", "Tonträger", "i") AS ?mediatype3)

graph pattern
for selecting
the value:

```
SELECT ?identifier ?mediatype ?mediatype2
WHERE {
    ?record slubmabxml:metadata ?metadata ;
        slubmabxml:header ?header .
    ?header slubmabxml:identifier ?identifier .
    ?metadata m:record ?mabrecord .
    ?mabrecord m:datafield ?dataField .
    ?dataField m:tag "029" ;
        m:ind1 "m" ;
        m:subfield ?subField .
    ?subField rdf:value ?mediatype .
    FILTER (?mediatype = 'MB')
    ?mabrecord m:datafield ?dataField2 .
    ?dataField2 m:tag "050" ;
        m:subfield ?subField2 .
    ?subField2 rdf:value ?mediatype2 .
    FILTER regex(?mediatype2, "^.{5}a.*")
}
```

View 6 (bottom right)

[graph pattern for selecting the value] → [extract base uri from value] → [match base uri against filter list] → [modify uri (proxy uri prefix)]

BIND (spif:regex(?url, "http(s)?://(A-Za-z-\\.+)(:[0-9]+)?/.*$", "$2") AS ?authority) .

?s slubcommon:proxybaseurl ?authority .

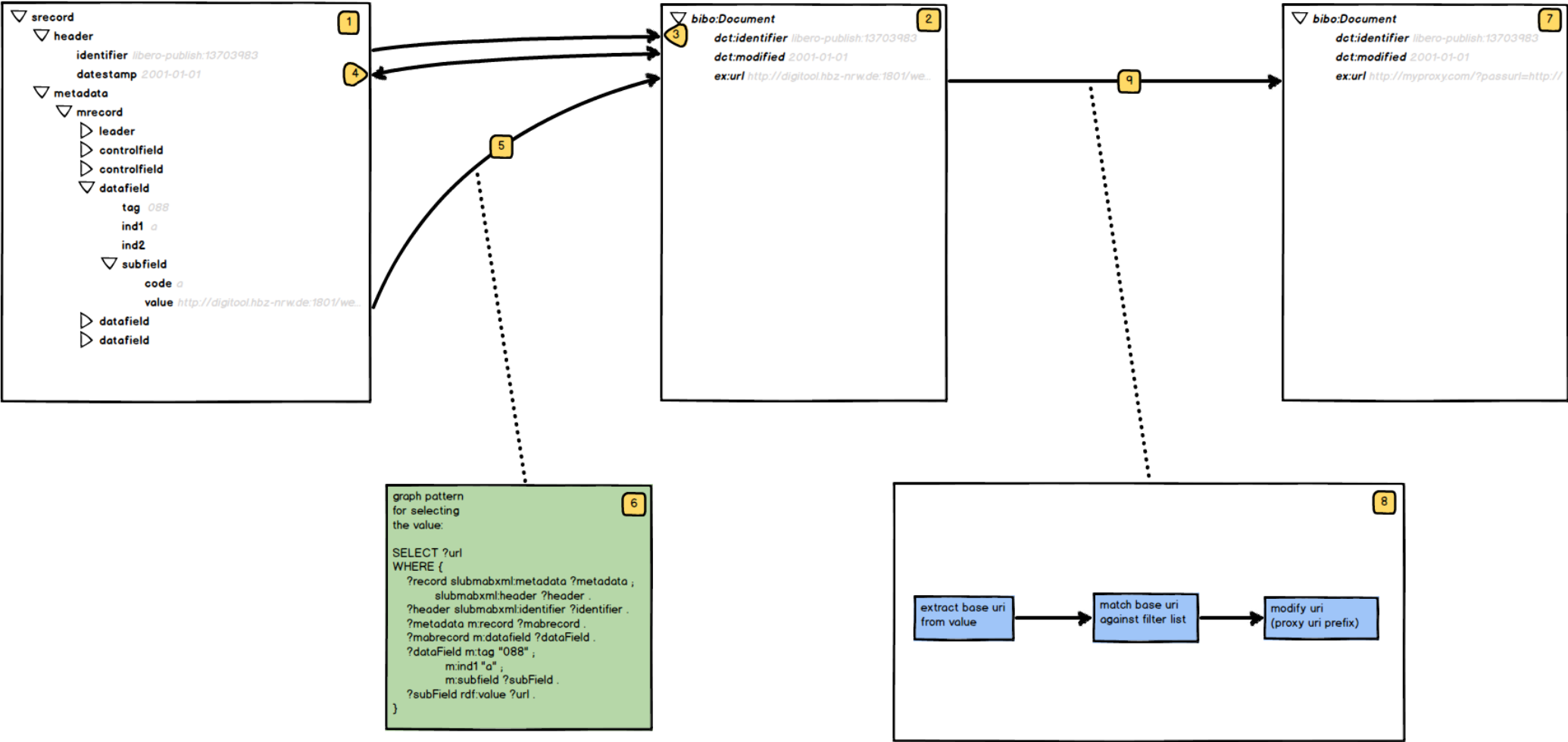BIND (fn:concat("http://myproxy.com/?passurl=", ?url) AS ?proxiedurl) .

graph pattern
for selecting
the value:

```
SELECT ?url
WHERE {
    ?record slubmabxml:metadata ?metadata ;
        slubmabxml:header ?header .
    ?header slubmabxml:identifier ?identifier .
    ?metadata m:record ?mabrecord .
    ?mabrecord m:datafield ?dataField .
    ?dataField m:tag "088" ;
        m:ind1 "a" ;
        m:subfield ?subField .
    ?subField rdf:value ?url .
}
```

Annotations

1	a source "schema on example" widget
2	a target "schema on example" widget
3	an uni-directional mapping from source to target
4	a bi-directional mapping from source to target
5	defines a more complex mapping
6	a view that illustrates this mapping pattern more in detail
7	another target "schema on example" widget (after some data transformation and cleansing steps)
8	defines a more complex transformation workflow
9	a view that illustrates this mapping pattern more in detail

1

▽ srecord
  ▽ header
    identifier *libero-publish:13703983*
    datestamp *2001-01-01*
  ▽ metadata
    ▽ mrecord
      ▷ leader
      ▷ controlfield
      ▷ controlfield
      ▽ datafield
        tag *088*
        ind1 *a*
        ind2
        ▽ subfield
          code *a*
          value *http://digitool.hbz-nrw.de:1801/we...*
      ▷ datafield
      ▷ datafield

2 ▽ bibo:Document
3
dct:identifier *libero-publish:13703983*
dct:modified *2001-01-01*
ex:url *http://digitool.hbz-nrw.de:1801/we...*

4

5

7 ▽ bibo:Document
dct:identifier *libero-publish:13703983*
dct:modified *2001-01-01*
ex:url *http://myproxy.com/?passurl=http://*

9

6

graph pattern
for selecting
the value:

```
SELECT ?url
WHERE {
    ?record slubmabxml:metadata ?metadata ;
            slubmabxml:header ?header .
    ?header slubmabxml:identifier ?identifier .
    ?metadata m:record ?mabrecord
    ?mabrecord m:datafield ?dataField .
    ?dataField m:tag "088" ;
               m:ind1 "a" ;
               m:subfield ?subField .
    ?subField rdf:value ?url .
}
```

8

extract base uri from value → match base uri against filter list → modify uri (proxy uri prefix)

Symbols Library

Annotations

1	Logo limited to 100x50
2	Filters table as you type
3	Default sort: last name ascending
4	mailto links to open system email app?
5	Highlight row on hover

Example

My Contacts | Sample App

http://sampleapp.com

Settings | Log Out

My Contacts

Contacts
Second tab
Third tab

Show 10 entries   Search:

Contact	Email	Phone
Dr. Tia McCullough	macey_lehner@kautzer.biz	1-974-278-0264 x950
Mrs. Ezequiel Schaden	ladarius@fah	(661) 616-8262
Erna Harvey DVM	gardner@rogahnswift.name	278-932-0477
Ms. Emile Gutmann	eleazar@gutmann.info	(511) 137-6771 x7139
Bernita Lind	kenton@hauck.org	672.156.9446 x605
Cooper Greenholt Sr.	schuyler_vonrueden@langhartm	(165) 946-1328 x2274
Kenna Huel	nannie@jerdekerluke.net	1-999-928-2537 x10877
Mackenzie Kassulke II	maximillian@rogahn.com	366-302-3325 x25399
Eudora Mueller I	gerald@schamberger.com	531.054.6386 x494
Tristian Pfeffer	alyce_leuschke@prohaska.org	629-899-2863

Showing 1 to 10 of 100 entries

First | Previous | 1 | 2 | 3 | Next | Last

Annotations

1	Logo limited to 100x50
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