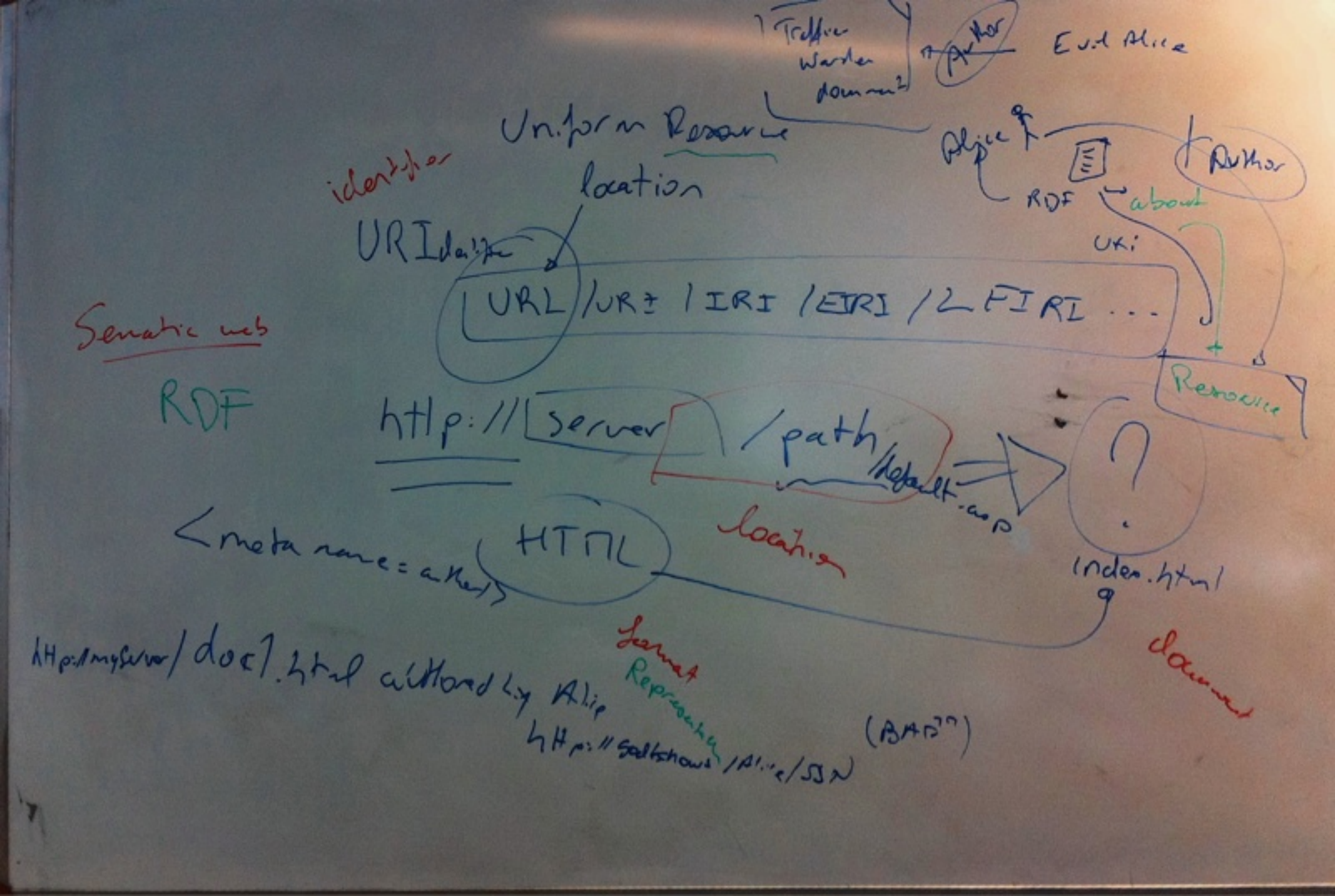


Traffic Warden document

Author

Evil Alice

Uniform Resource

Alice

RDF

about

Author

identifier

location

URIdentifier

URL / URI / IRI / EIRI / LFIRI ...

URI

Resource

Semantic web

RDF

http://server/path/default.asp

?

location

<meta name=author>

HTML

index.html

Format

Representation

document

http://myserver/doc1.html authored by Alice

http://godtshows/Alice/SSN

(BAD?)

ANY

Resource : "THING" with a URI

Informationals Resource : returns 200 to GET with Representation

⇓

something else

hHp://serialseb.com#me

hHpRange-14

RFC 822

good
HACKABLE URIs
Cool URIs
discoverability
SEO
more stable
404
Keep bat...
maintain
redirects
readable
debug
human processable
user interface
verify links
/customers
a.jpg
/customers/2
HTML
<img src="a.jpg">
ID
/{3211468-2114-1120043}
shorter
tinyurl/
/customer/21/savings
MOVE /customer/33/savings
to me
information disclosure
ID

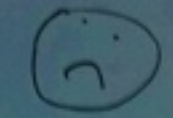
http://[::1]/customers/2

```
short.Parse(
    uri.Split(new[]{"/"}, SSO.REE)[Last()
)
```

strong coupling

http://[::1]/customers/16653999999999

"ParseException"



Solution?

client | Server

WADL
WSDL 2.0
OpenSearch

Nearly Everything

/v1/myservice
<wsa:Address>

Service description

v1 | WSDL

<template uri="/customers/{id}"
"/customer/{:id}"
xsi:type="short" />

Some time later...

/v2/myservice
<xsi:Address>

deployment Code

uri="/customers/v2/{id}"
xsi:type="long"

v2 | WSDL

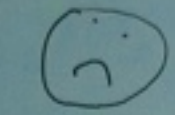
http://[::1]/customers/2

Strong coupling

```
short.Parse(
    uri.Split(new[]{"/"}, SSO.REE)[Last()
)
```

http://[::1]/customers/1665399999999

"Parse Exception"



Solution?

server

Application

http://sub.domain.tld/appl/resource

client | server

WADL
WSDL 2.0
OpenSearch

Nearly Everything

/v1/myservice
<wsa.Address>

Service description

v1 | WSDL

<template uri="/customers/{id}"
"/customer/:id"
xsi:type="short" />

Some time later...

/v2/myservice
<swin:Address>

deployment — Code

uri="/customers/v2/{id}"
xsi:type="Ext"

v2 | WSDL

/search?q=one&q=two
=! /search?q=two&q=one

<form action=/search method=POST > encType

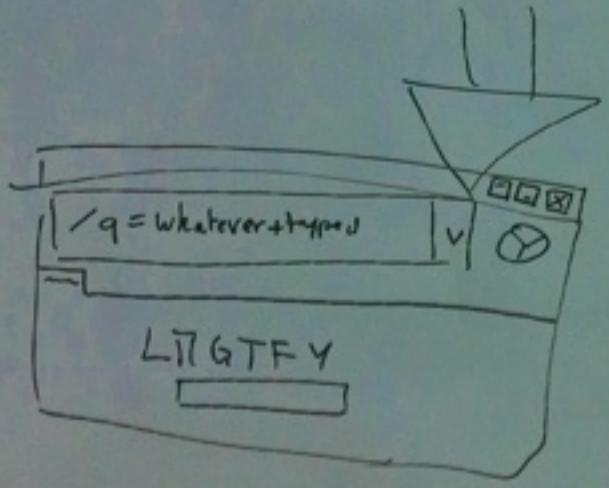
<input name="q" /> <input type=SUBMIT />
type=text

</form>

<template name=query
value="/search?q={query}>

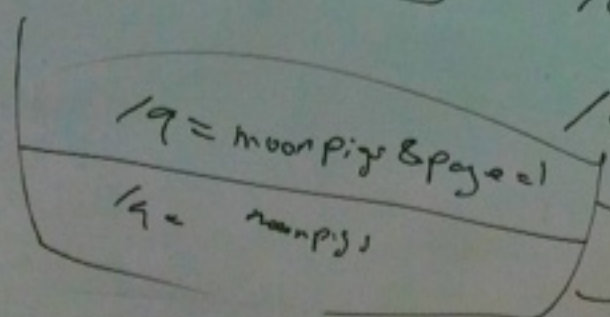
+/query strings?

($\sum$ form name = form value)



/customer/2 => Id of a customer

/q



canonical URI header

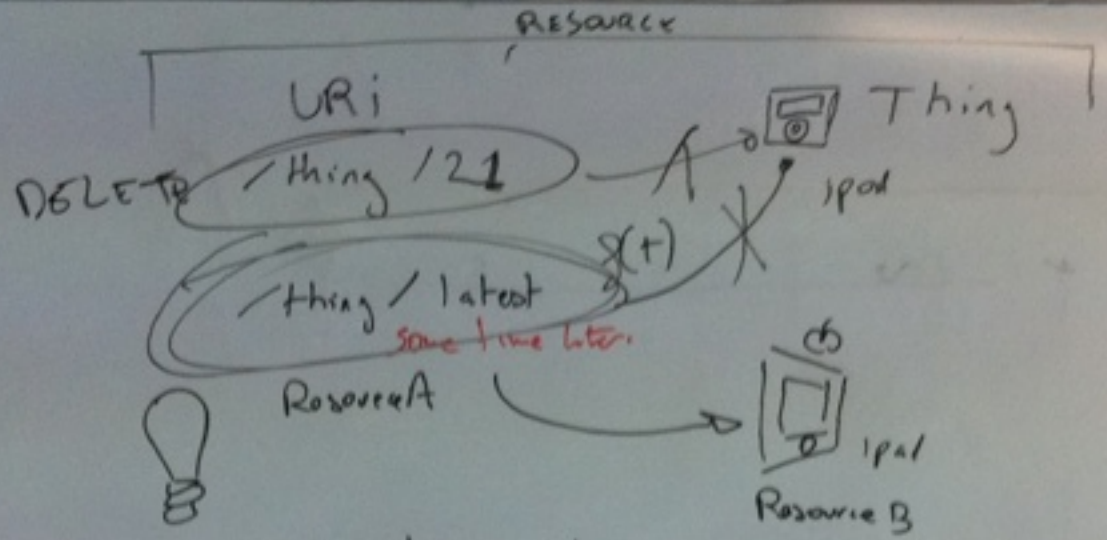
[tasks] specific (business concept no UI idiom)

[HTML forms] generic (pure UI)

=> search uri

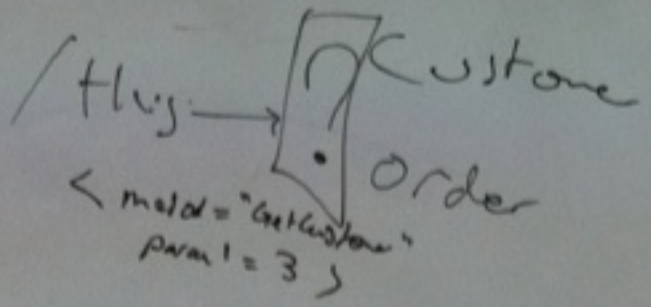
coupling

no coupling (except HTML)



at time t_1

Resource A == Resource B

: +1 hour

Resource A != Resource B