



Viewing FOAF Development of a Metadata Explorer

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Outline



- Brief introduction into the RDF and its XML notation
- FOAF in the nutshell
- *Advanced FOAF Explorer* beta 1 – a small demo
- What's wrong with 1st beta version



Brief introduction into the RDF and its XML notation

Introduction into RDF



- Data are represented as a graph of triples
- Triples consist of subject, predicate and object
 - subject and predicate are URIs
 - object is an URI or a literal
- URI - an resource identifier (*Uniform Resource Name*)

RDF/XML notation



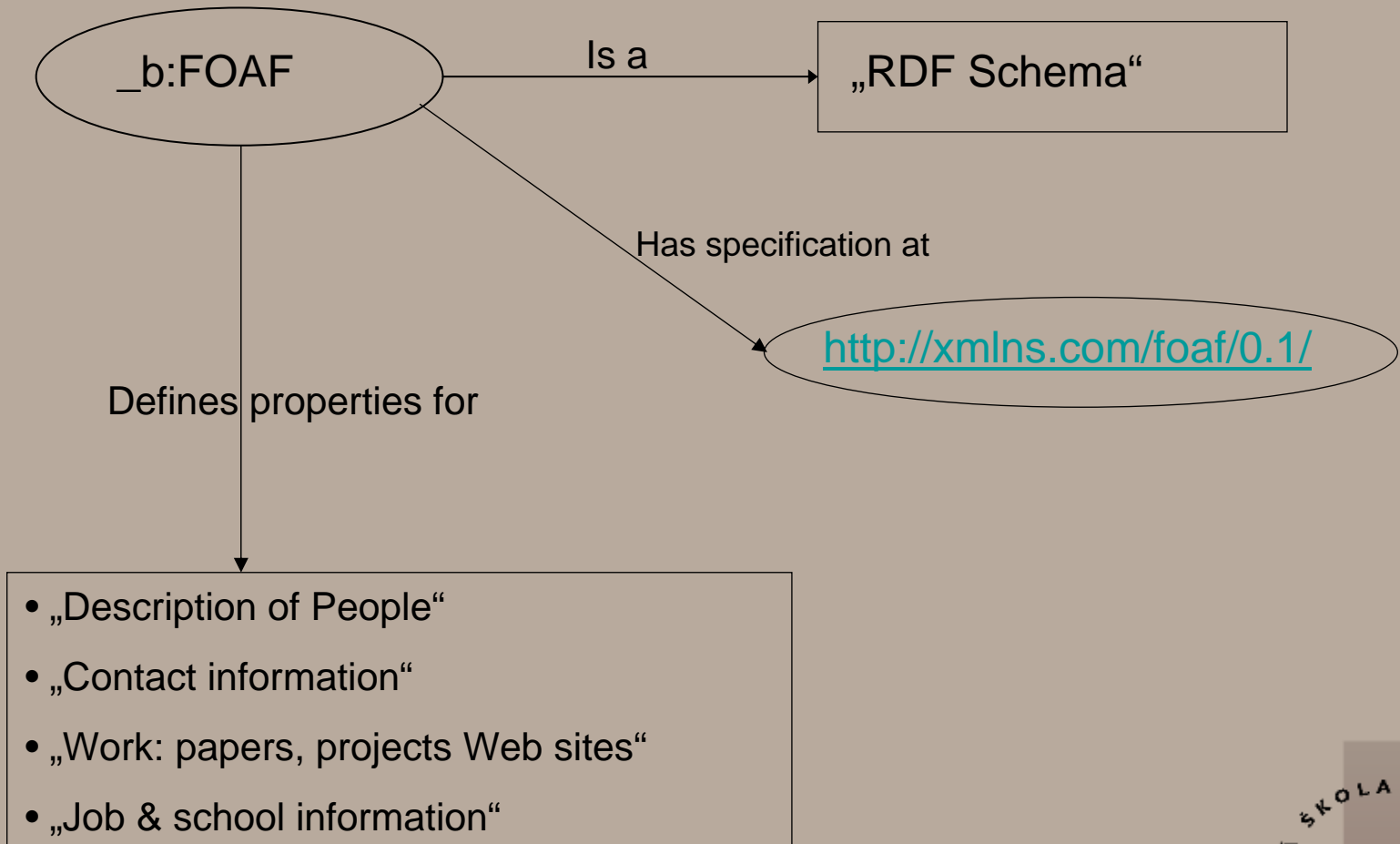
```
<rdf:RDF
  xmlns:ex=http://example.org/
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
>
  <rdf:Resource rdf:about="http://subject.uri.org/">
    <ex:Property>Value</ex:Property>
  </rdf:Resource>
</rdf:RDF>
```

- `http://subject.uri.org/` - subject of all statements
- `ex:Property` - predicate, according to the XML namespaces specification will be translated into URIref `http://example.org/Property`
- "Value" - object of the triple



FOAF in the nutshell

FOAF Basics (in RDF graph)



FOAF Basics (human-readable form)



- Is a RDF Schema
- Has specification at <http://xmlns.com/foaf/0.1/>
- Defines properties for:
 - Description of person
 - Contact information
 - Work: papers, projects Web sites
 - Job & school information

Advanced Features



- May describe organisations and interest groups
- Allows extending by “modules” - independent schemas
- Relation among people



Advanced FOAF Explorer

beta 1

A small demo

Load resource:

<http://sanka.zapisky.info/profile-foaf.rdf>

Process

Digest for

<http://sanka.zapisky.info/profile-foaf.rdf>

Jan Petrák

Nick(s): Sanka Coffie

Gender: male

E-mail addresses

- sanka.coffie@gmail.com

Jabber accounts

- Sanka@njs.netlab.cz

ICQ accounts

- 212019059 ●

User's account(s)

Chat Account

- Account name: Sanka
- Service: <http://shadownet.cz/>

Sibling of

- [Josef Petrák](#)

Josef Petrák

See also

- <http://purl.org/jspetrak/profile-foaf> [Parse it!]

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- [Jan Petrák](#)





What's wrong with the 1st beta version

Bad approaches



- No concept in system architecture
- No resistance against errors
- Non-full support of FOAF
- Almost no support of modules
- And output page would be more descriptive



The 2nd version will
improve it.

New features



- RDF graph transformed into objects representing classes (Person, Project, Document, etc.)
- MVC architecture
- History of viewed files
- Internationalisation



Any questions?



Thank you for your
attention