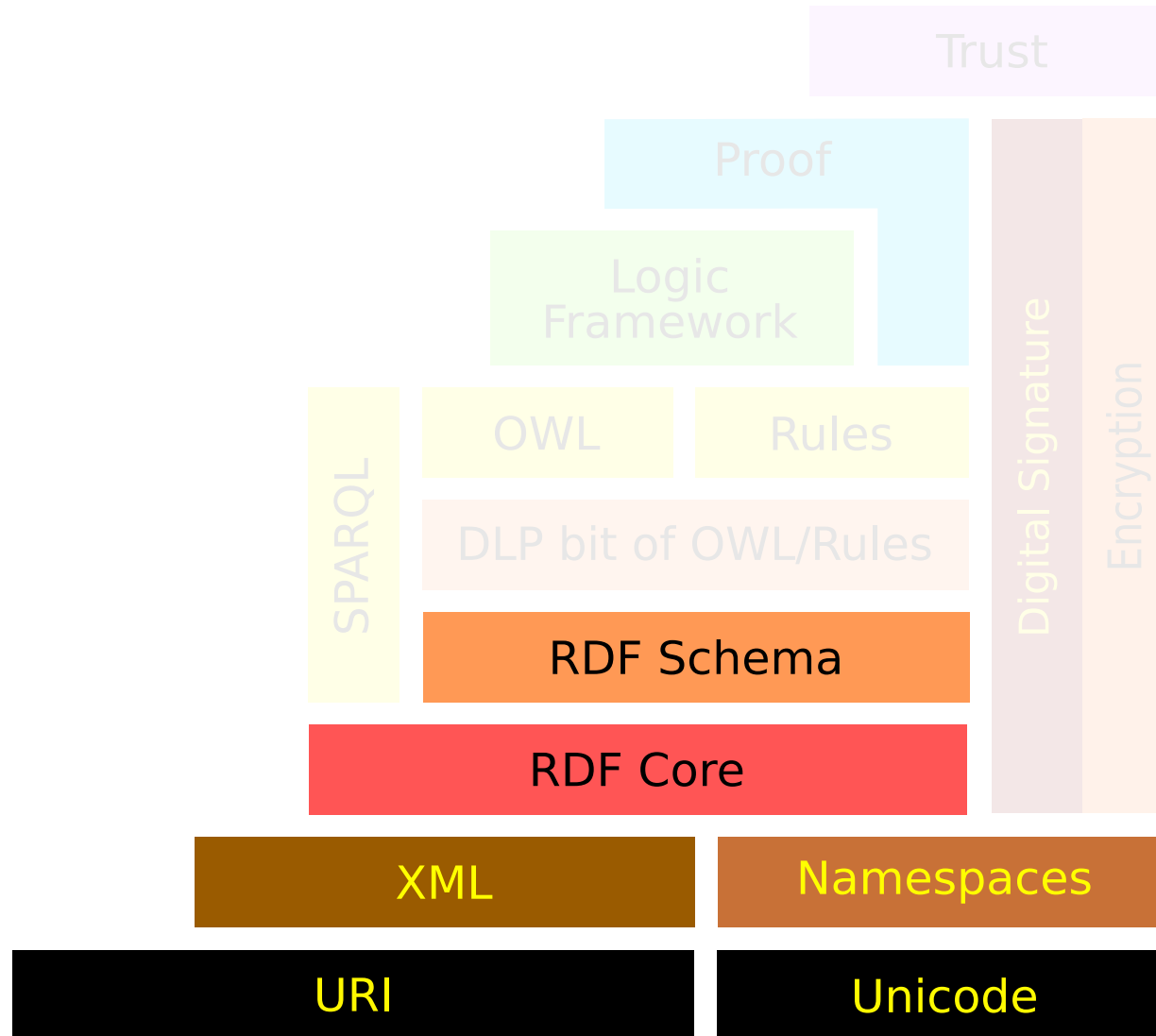


Mayank Kejriwal

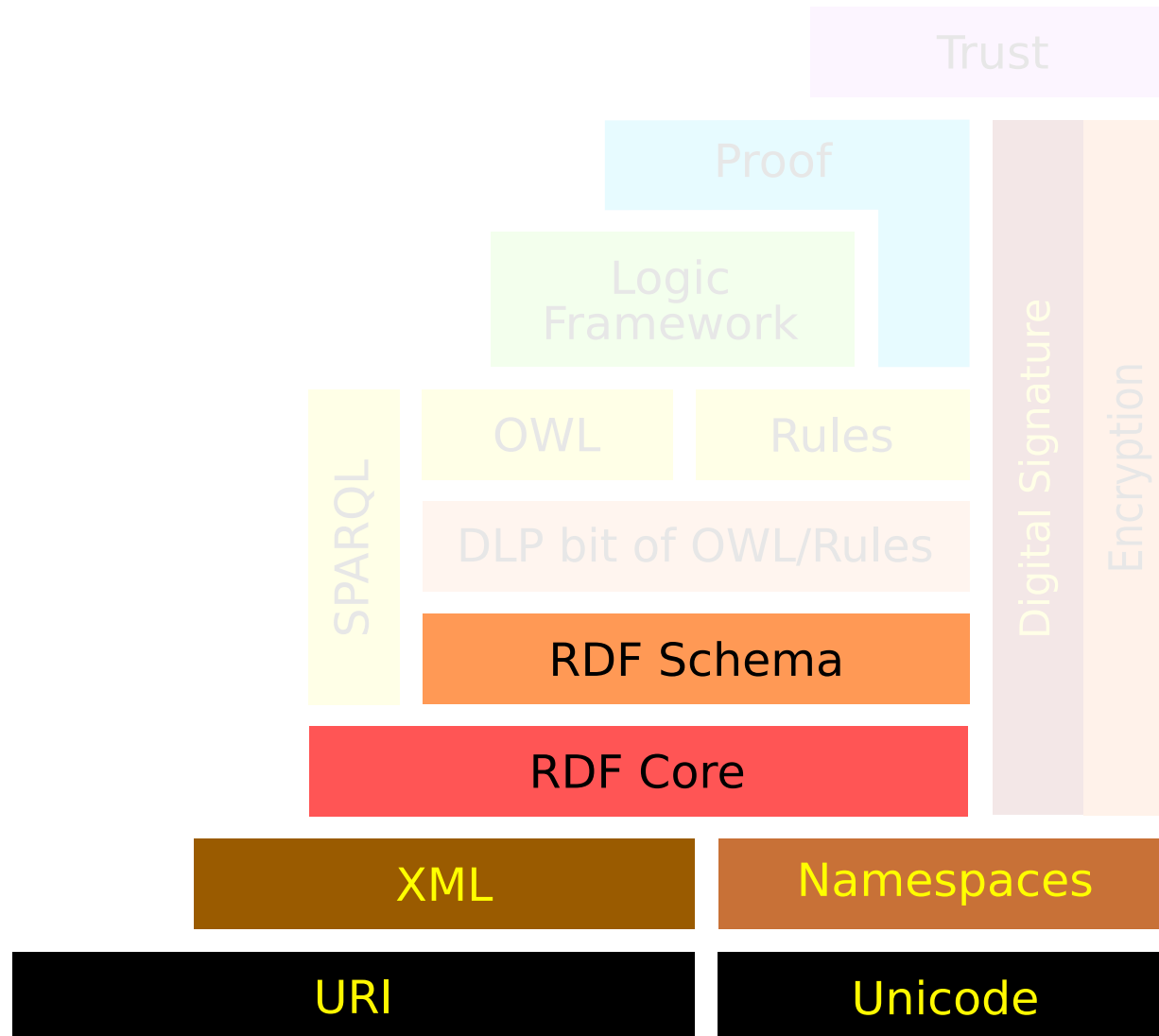
University of Southern California

Resource Description Framework (RDF)

Semantic Web Layer Cake



Unicode



Why Unicode?

<http://site.com/Македонски.html>

http://site.com/Μία_Σελίδα

<http://www.中国政府.政务.cn>



Unicode

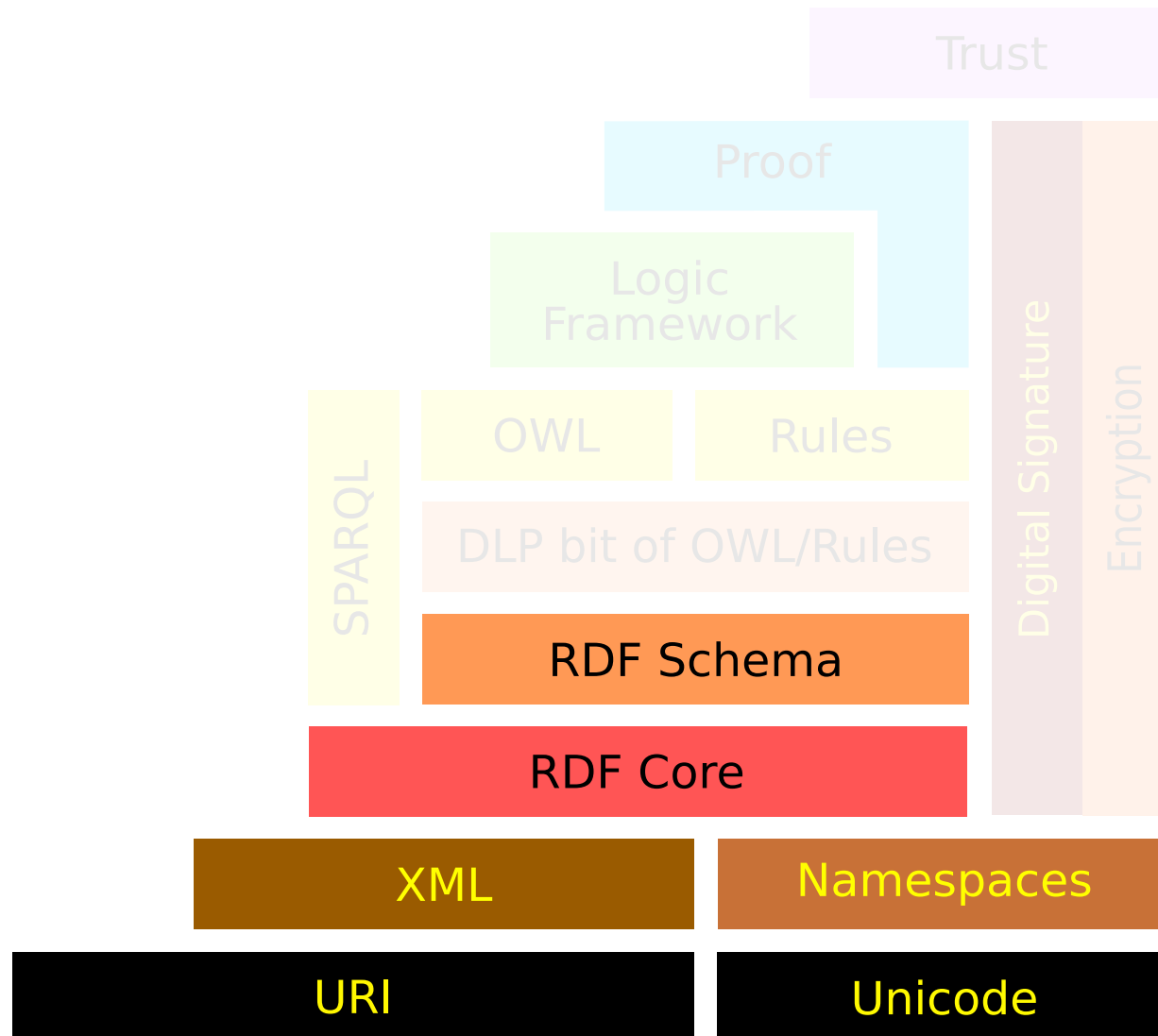
Unicode is a computing industry standard for the consistent encoding, representation and handling of text expressed in most of the world's writing systems.

... the latest version of Unicode consists of a repertoire of more than 110,000 characters covering over 100 scripts

[Wikipedia](#)

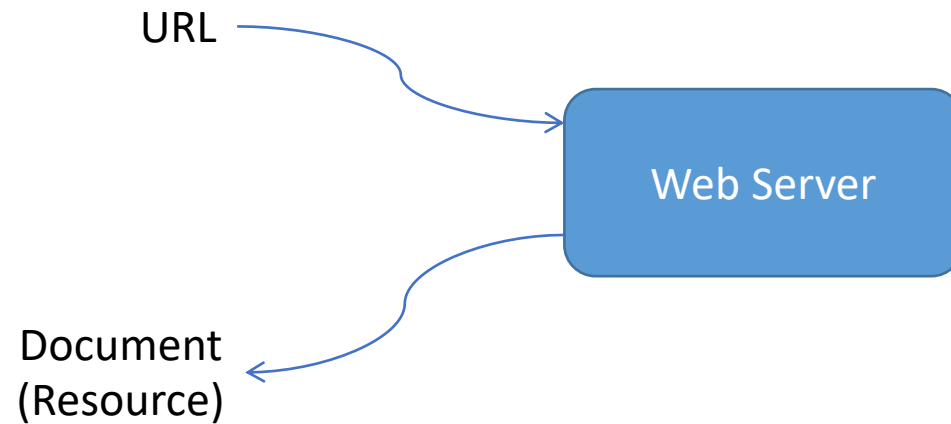


URI

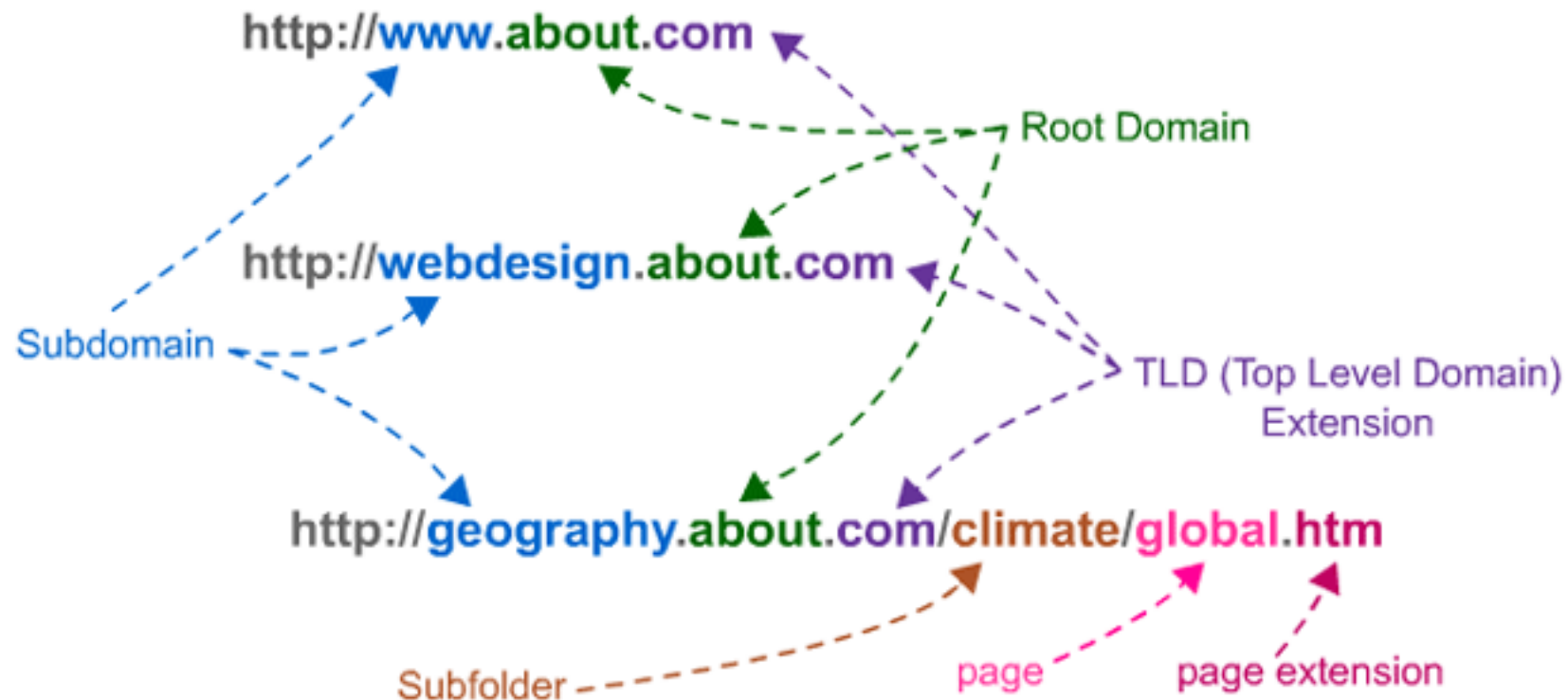


URL: Uniform Resource Locator

A reference to an Internet resource



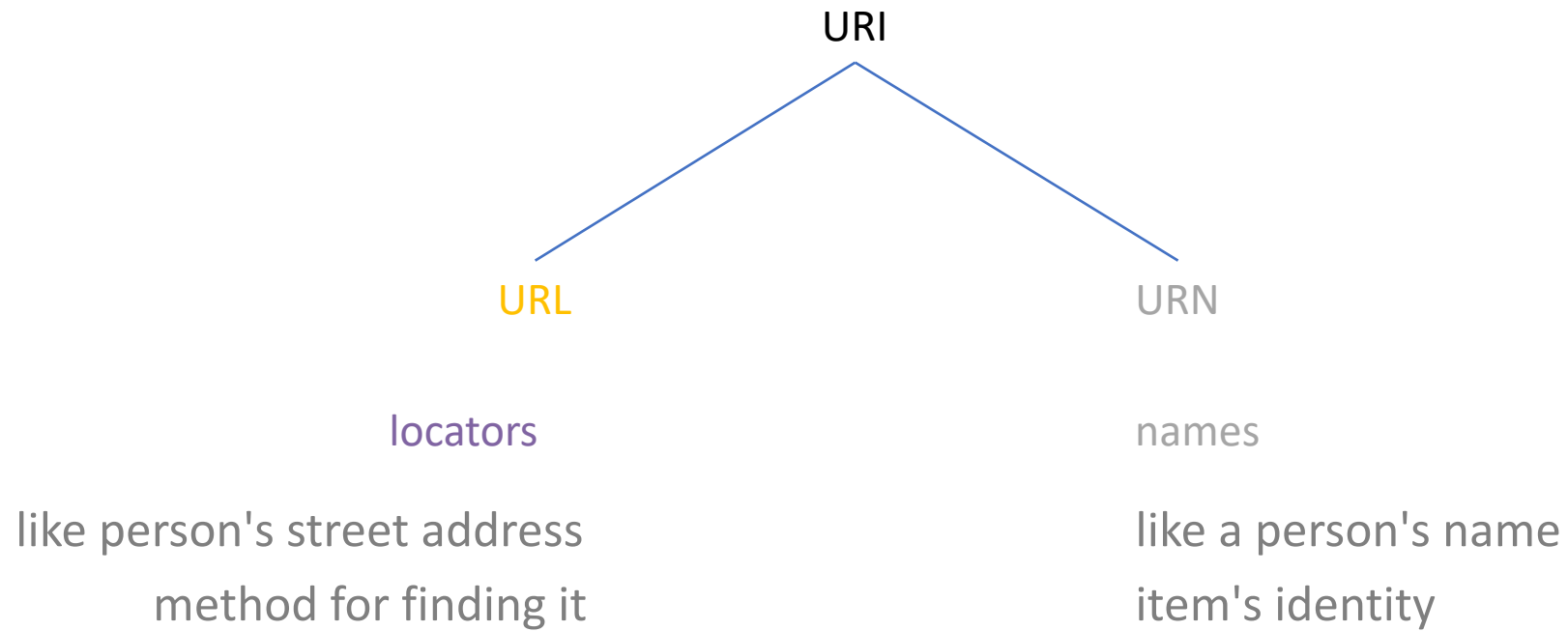
URL: Uniform Resource Locator



<http://www.seomoz.org/blog/subfolders-root-domains-linkscope-update-more>



URL vs URI



Resource Description Framework

Intended for representing metadata about Web resources, such as the title, author, and modification date of a Web document

... also be used to represent information about things that can be *identified* on the Web, even when they cannot be directly *retrieved* on the Web

examples include information about items available from on-line shopping facilities (e.g., prices and availability)

Represent Information as Triples



Subject

The resource being described

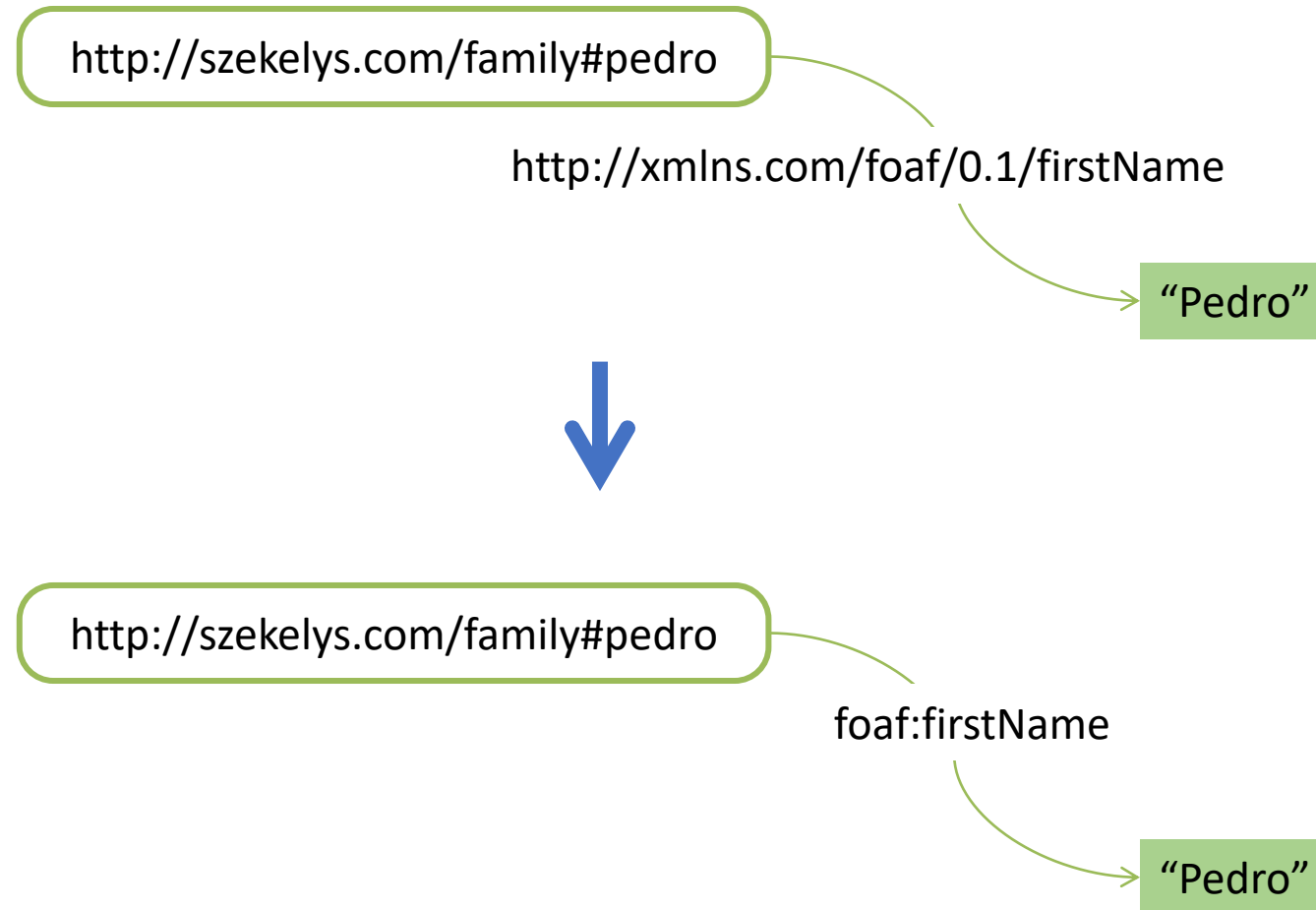
Predicate

A property of the resource

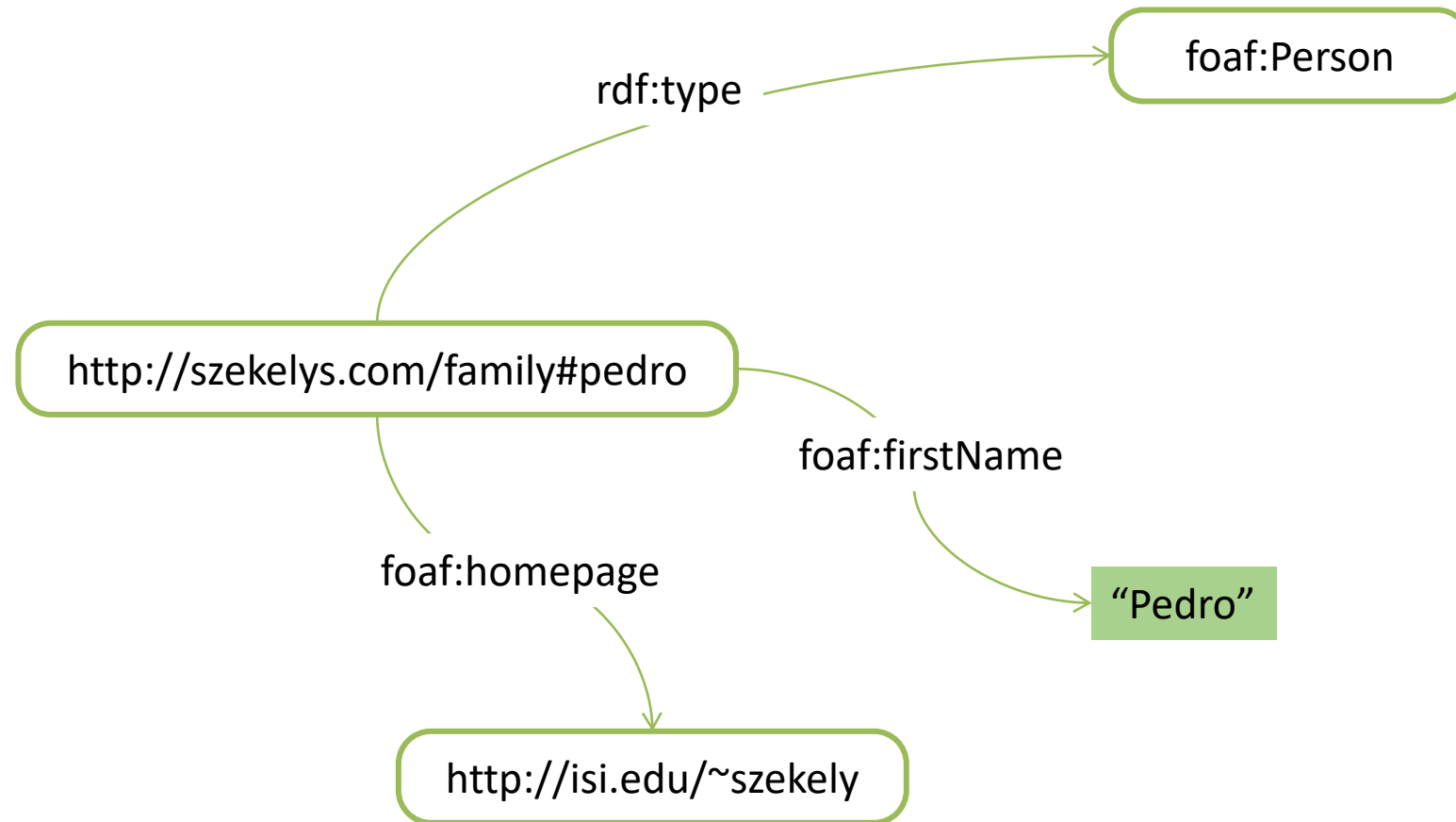
Object

The value of the property

Use Namespaces



RDF Graphs



RDF Graphs

