BIBFRAME and the World Wide Web

LC Bibliographic Framework Initiative Update Forum

ALA Midwinter, Seattle Washington 27 January, 2013

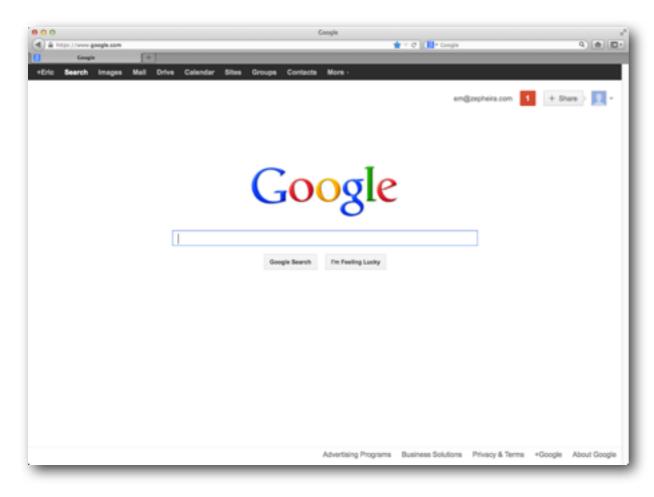
Eric Miller
em@zepheira.com
@erimille

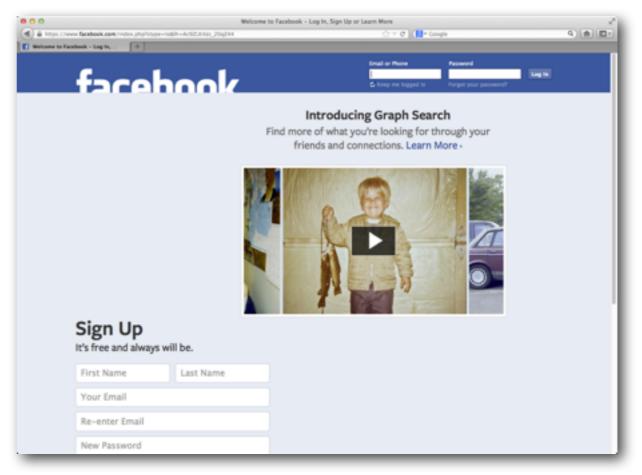


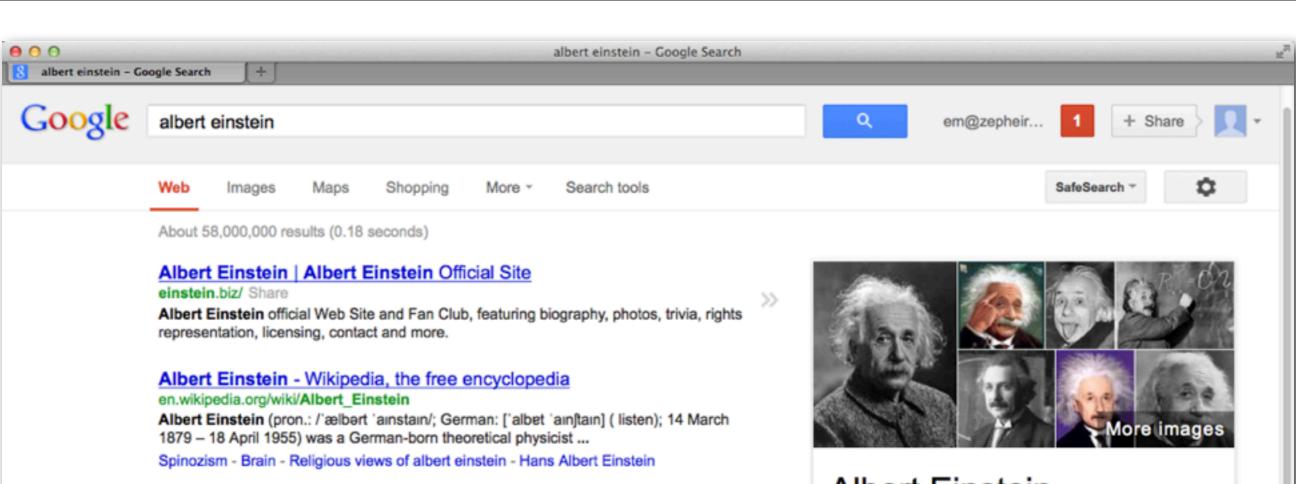
The web is the most successful commerce and communication platform ever conceived...

...and has quickly become one of the most pervasive data management and integration platforms ever imagined.

Web Search and Discovery







Albert Einstein - Biography

www.nobelprize.org > Nobel Prizes > Nobel Prize in Physics

Biography. Albert Einstein was born at Ulm, in Württemberg, Germany, on March 14, 1879. Six weeks later the family moved to Munich, where he later on began ...

Albert Einstein Quotes - BrainyQuote

www.brainyquote.com/quotes/authors/a/albert_einstein.html

Enjoy the best Albert Einstein Quotes at BrainyQuote. Quotations by Albert Einstein, German Physicist, Born March 14, 1879. Share with your friends.

Albert Einstein Biography - Facts, Birthday, Life Story - Biography.com www.biography.com > People

Biography.com offers a glimpse into the life of **Albert Einstein**, the most influential physicist of the 20th century, who developed the theory of relativity.

Einstein Archives Online

www.alberteinstein.info/

The homepage of the repository of the personal papers of the great scientist, humanist and Jew, Albert Einstein.

Quotes By Albert Einstein - Goodreads

www.goodreads.com/author/quotes/9810.Albert_Einstein

50+ items - 692 quotes from Albert Einstein: 'Two things are infinite: the ...

Albert Einstein

Albert Einstein was a German-born theoretical physicist who developed the general theory of relativity, effecting a revolution in physics. Wikipedia

Born: March 14, 1879, Ulm Died: April 18, 1955, Princeton

Education: University of Zurich (1905), ETH Zurich

(1901), More

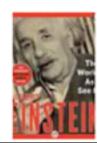
Children: Hans Albert Einstein, Eduard Einstein, Lieserl

Einstein

Spouse: Elsa Einstein (m. 1919–1936), Mileva Marić (m.

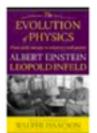
1903-1919)

Books











What is Schema.org?

This site provides a collection of schemas, i.e., html tags, that webmasters can use to markup their pages in ways recognized by major search providers. Search engines including Bing, Google, Yahoo! and Yandex rely on this markup to improve the display of search results, making it easier for people to find the right web pages.

Many sites are generated from structured data, which is often stored in databases. When this data is formatted into HTML, it becomes very difficult to recover the original structured data. Many applications, especially search engines, can benefit greatly from direct access to this structured data. On-page markup enables search engines to understand the information on web pages and provide richer search results in order to make it easier for users to find relevant information on the web. Markup can also enable new tools and applications that make use of the structure.

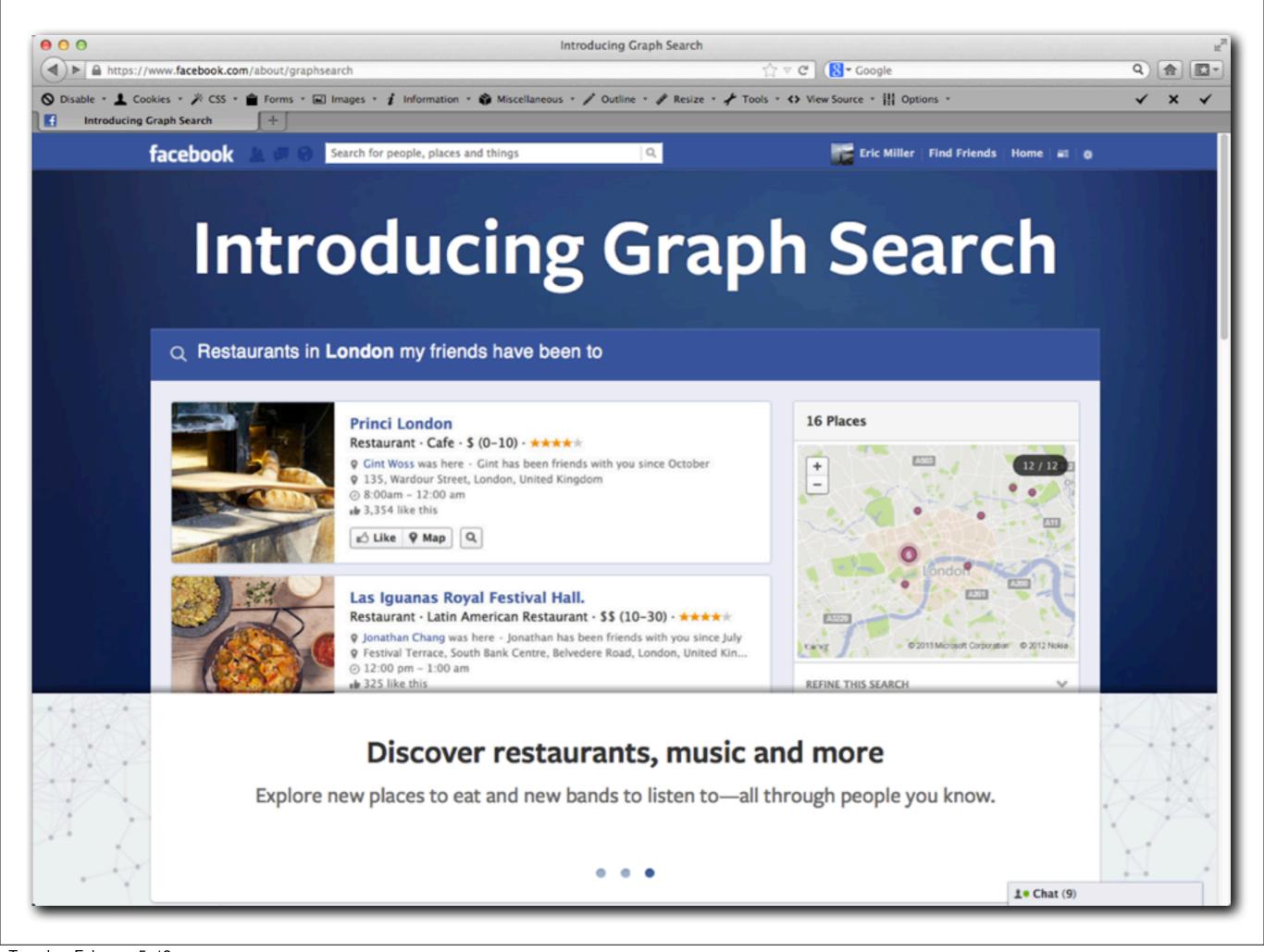
A shared markup vocabulary makes it easier for webmasters to decide on a markup schema and get the maximum benefit for their efforts. So, in the spirit of sitemaps.org, search engines have come together to provide a shared collection of schemas that webmasters can use.

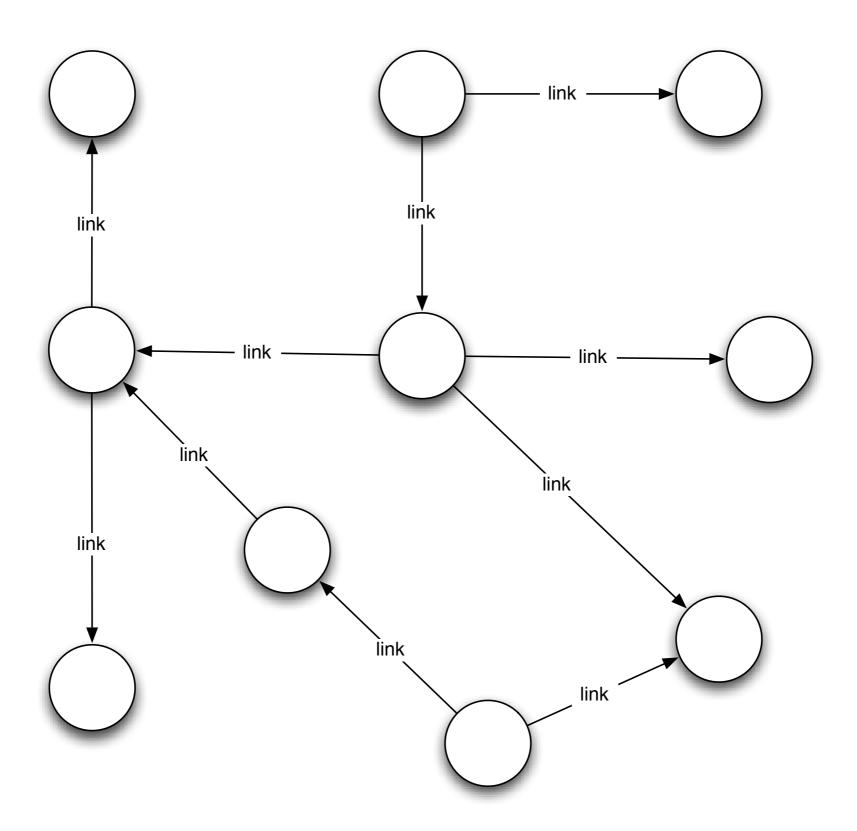
We invite you to get started!

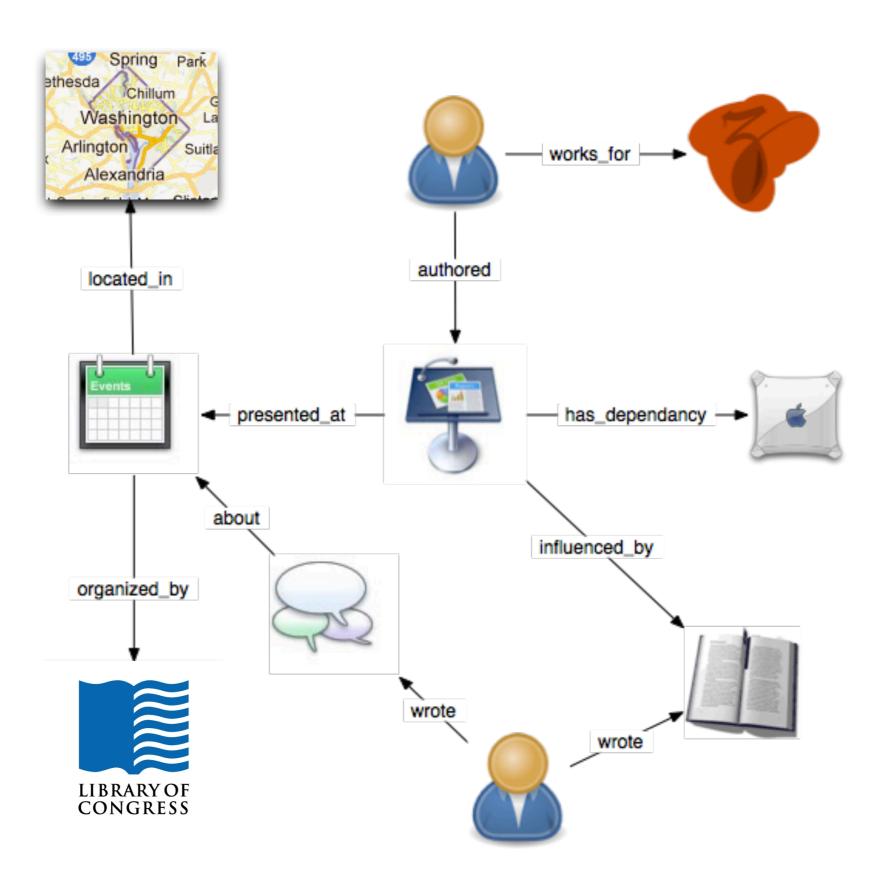
View our blog at blog.schema.org.

Terms and conditions









Linked Data

"a term used to describe a recommended best

practice for exposing, Sharing, and

connecting pieces of data,

information, and knowledge on the Semantic

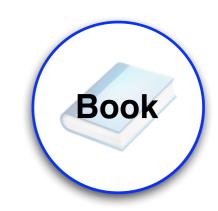
Web using URIs and RDF."

http://en.wikipedia.org/wiki/Linked_Data

What is BIBFRAME?

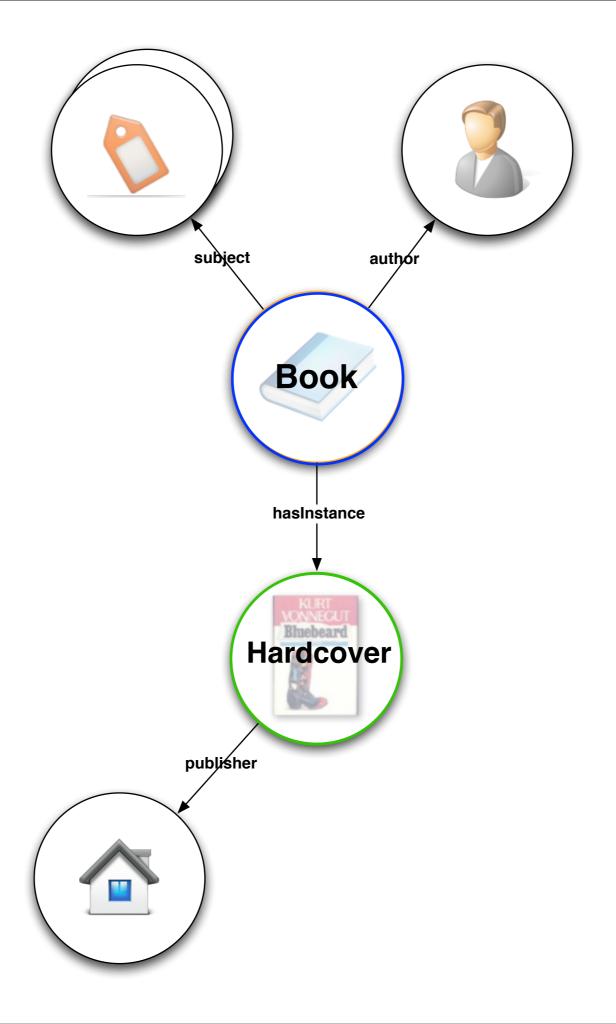
- BIBFRAME is native Web, linked data model for bibliographic data
- Requirements and Goals:
 - Inherent the robust nature of the MARC standard
 - Be content model agnostic RDA, DACS, CCO, etc.
 - Handle description and management of traditional (books, serials, etc.) and non-traditional materials (born digital, data sets)
 - Integrate supporting data (Authority, Holdings, Classification)
- Benefits from all the goodness the Web offers (web triggers, collaboration, data driven, etc.)

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autobiography of Rabo Karabekian, who, at age seventy-one, wants
to be left alone on his Long Island estate with the secret he has
locked inside his potato barn. But then a voluptuous young widow
badgers Rabo into telling his life story-and Vonnegut in turn
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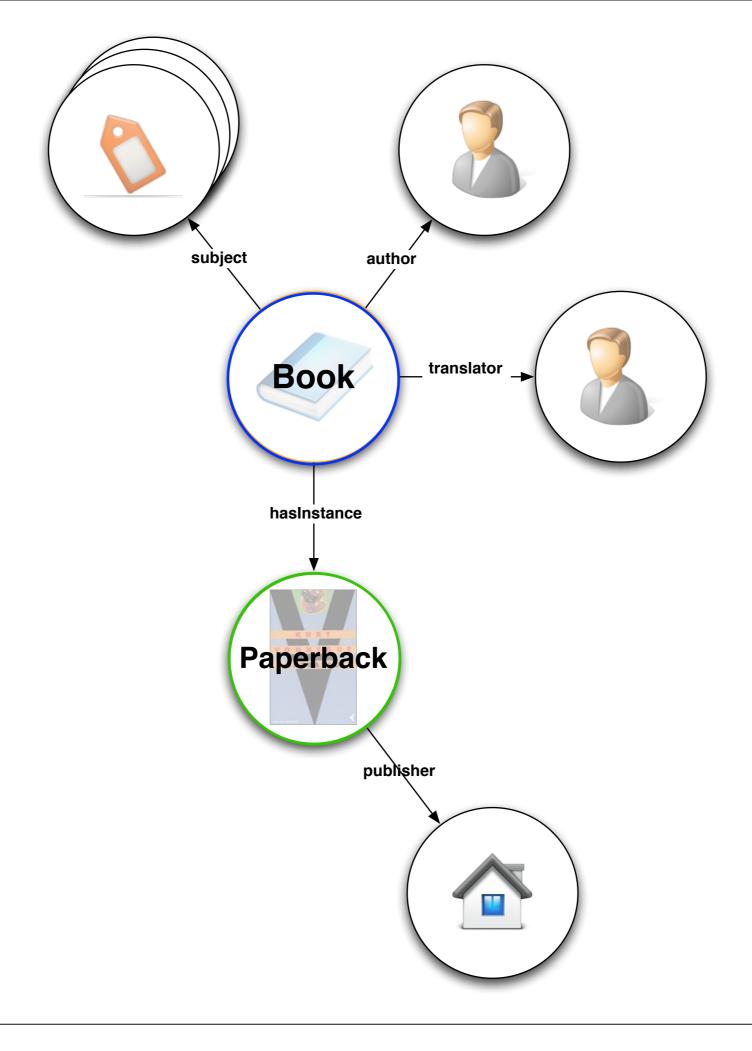


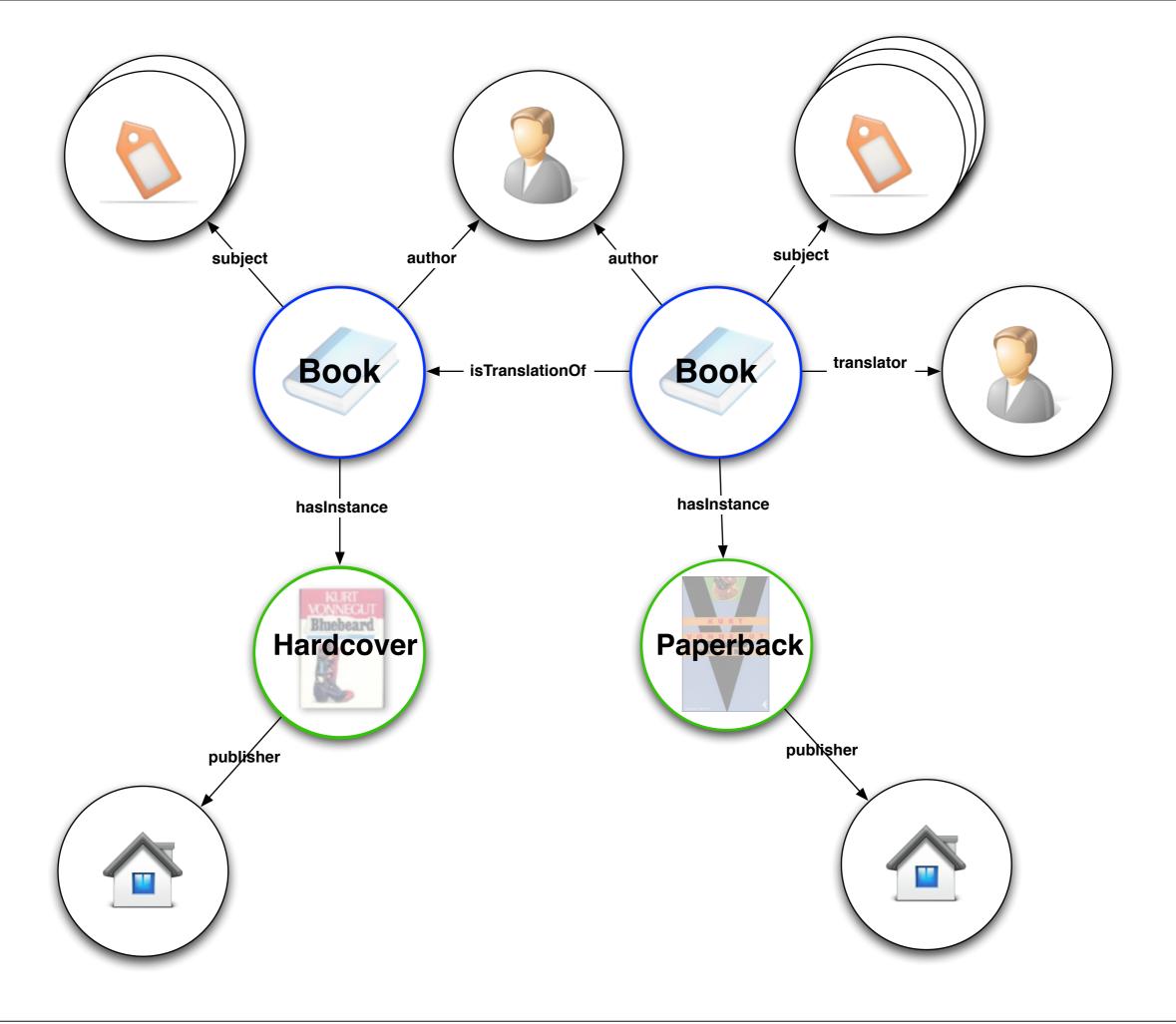
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"translator" : "http://bibframe.org/auth/person/pier francesco paolini"
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pittore e collezionista d'arte. La grande casa ...",
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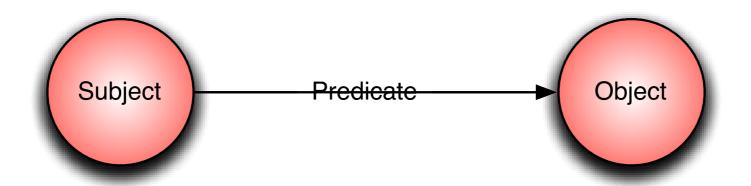


Recombinant Data

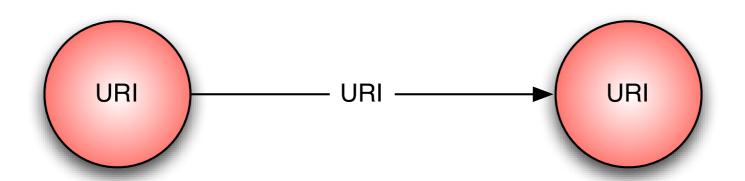




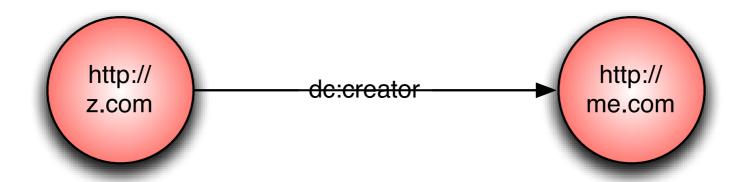
- Resource Description Framework
 - common model for representing web data

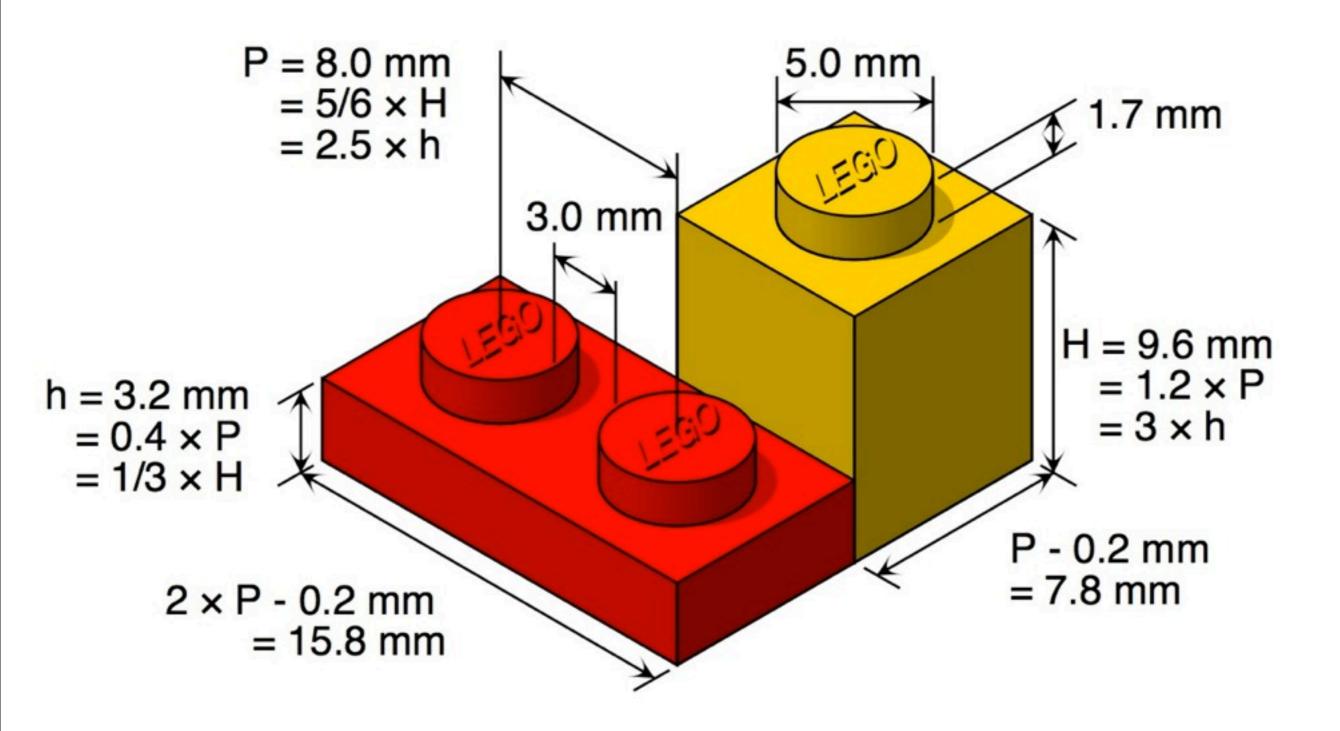


- Resource Description Framework
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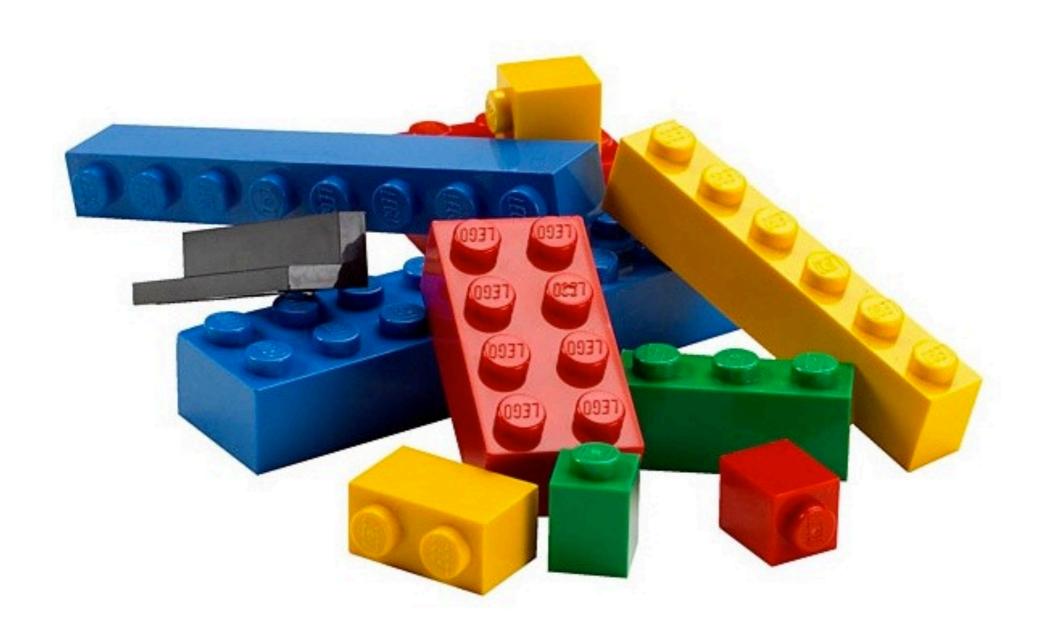


- Resource Description Framework
 - common model for representing web data





BIBFRAME

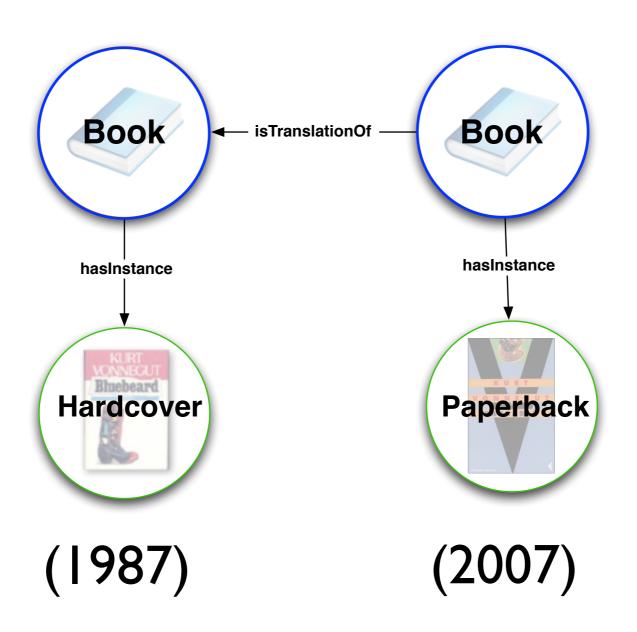


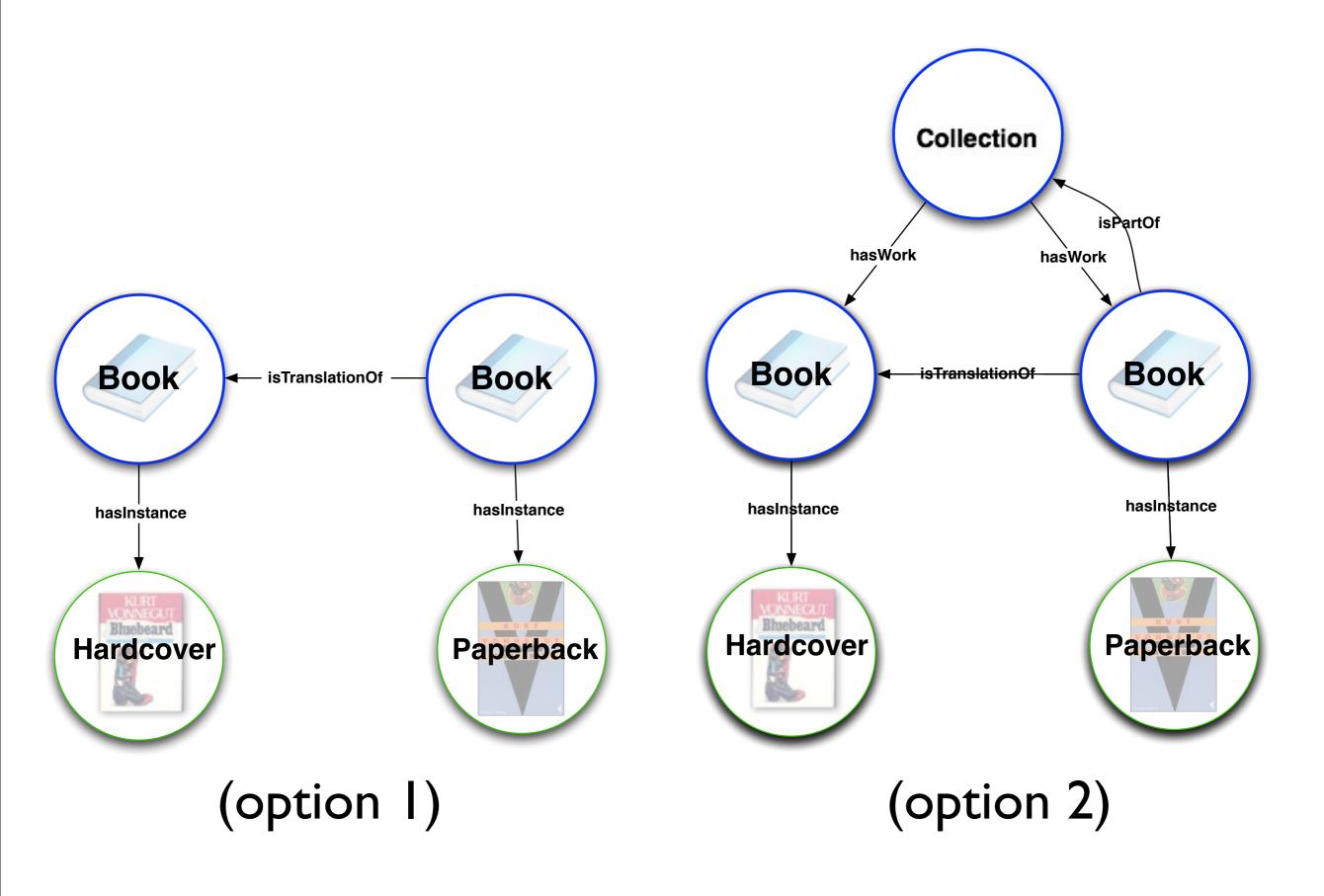


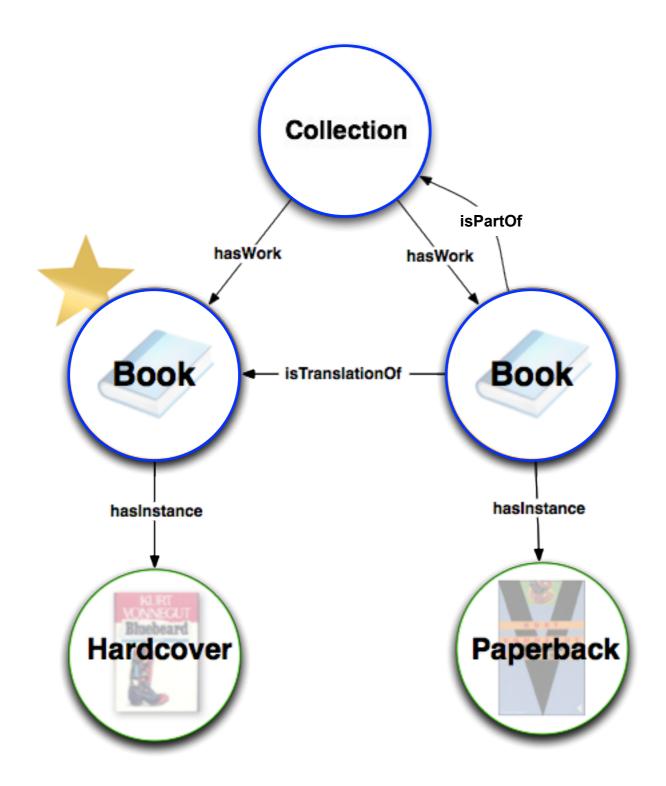


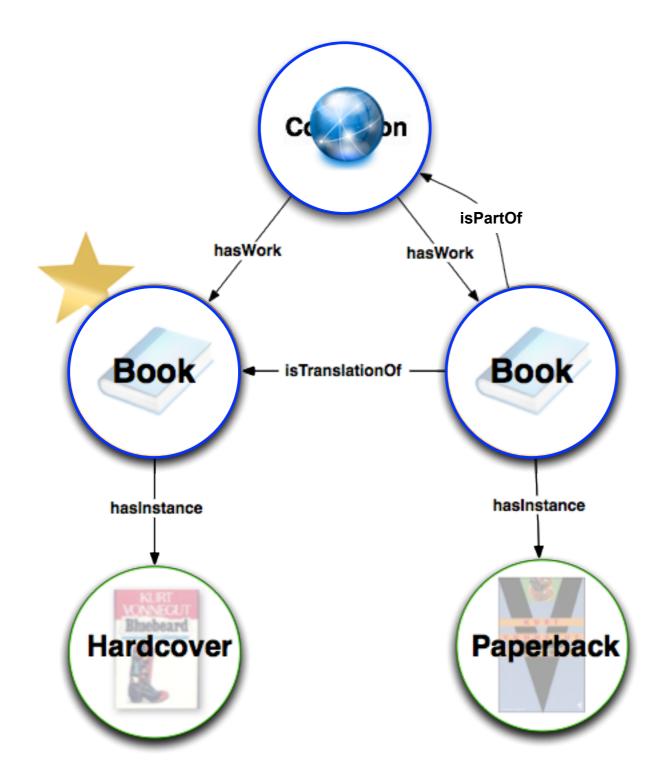


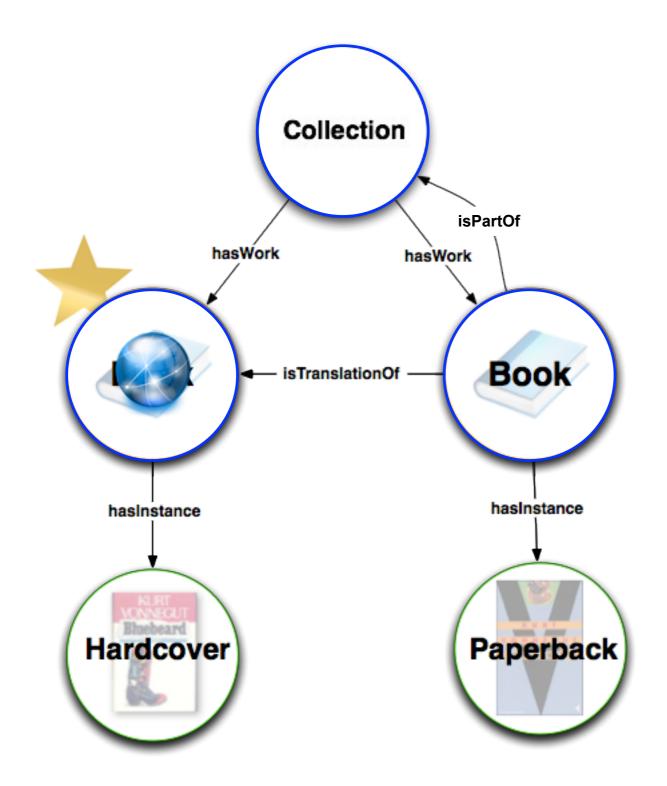
Back to Bluebeard (in an Open World)

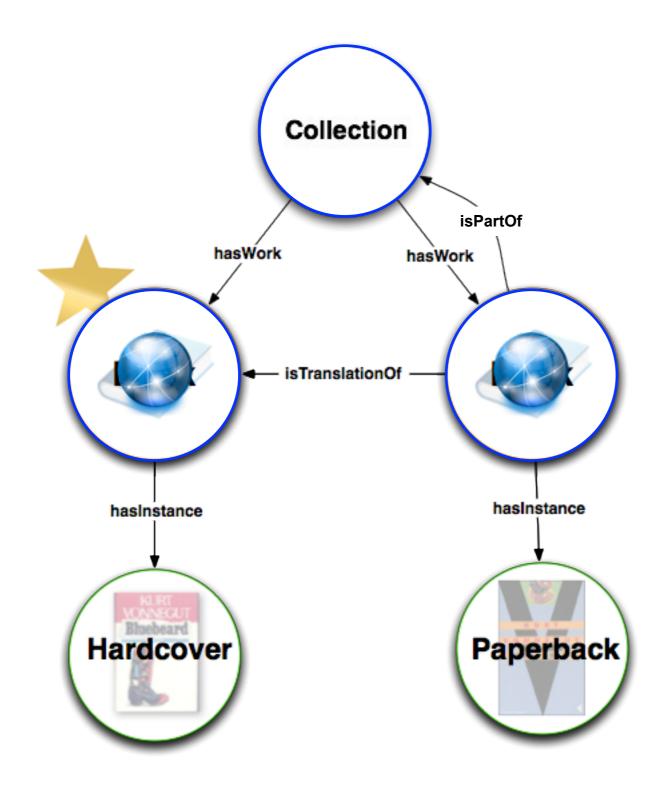


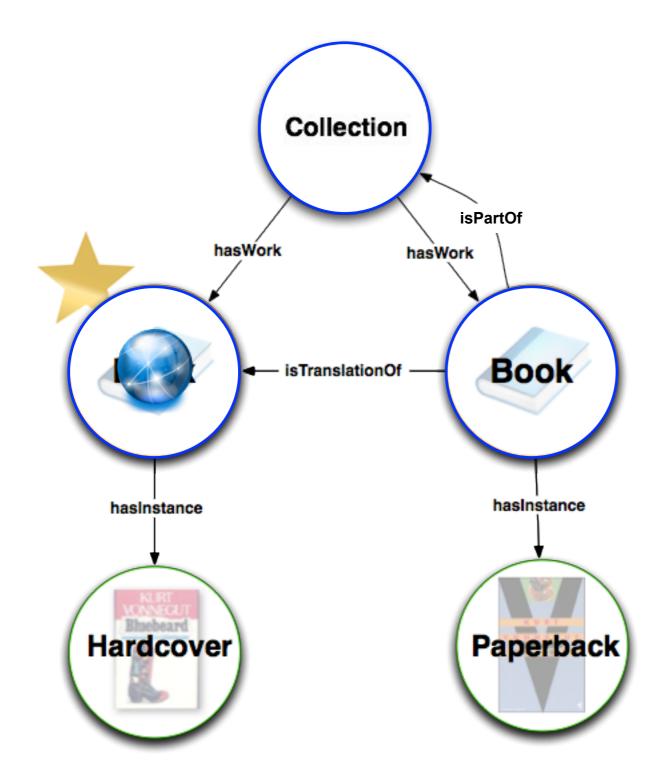


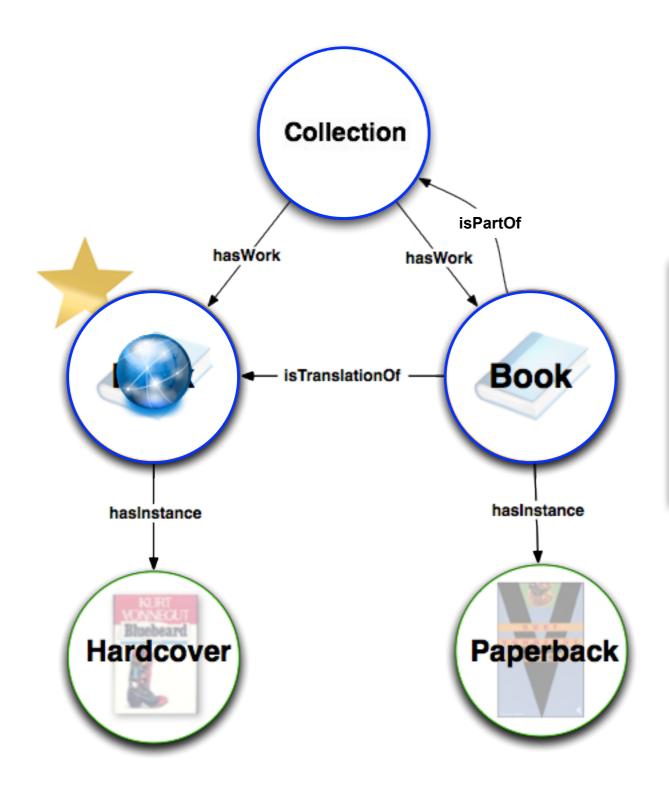




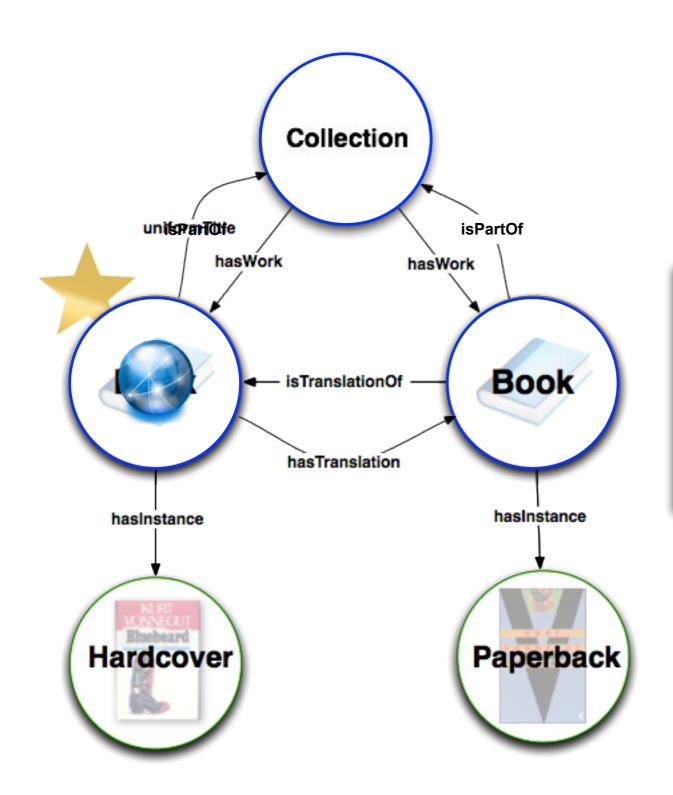








Incoming Actions for Bluebeard: a novel 2007-02-03: New translation work created Barbablù would you like to update your resource to connect to it? 2007-02-03: New Collection created Bluebeard Collection would you like to update your resource to connect to it?



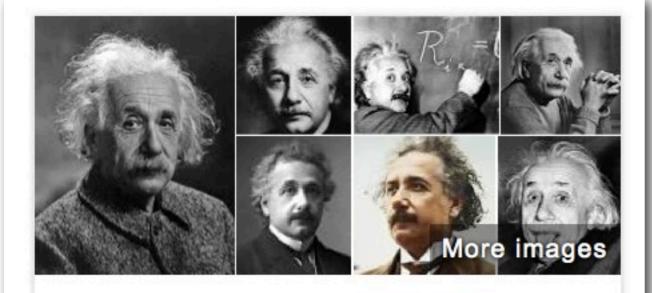
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Albert Einstein

Albert Einstein was a German-born theoretical physicist who developed the general theory of relativity, effecting a revolution in physics. Wikipedia

Born: March 14, 1879, Ulm

Died: April 18, 1955, Princeton

Education: University of Zurich (1905), ETH Zurich

(1901), More

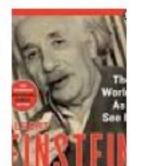
Children: Hans Albert Einstein, Eduard Einstein, Lieserl

Einstein

Spouse: Elsa Einstein (m. 1919–1936), Mileva Marić (m.

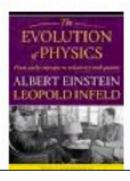
1903-1919)

Books

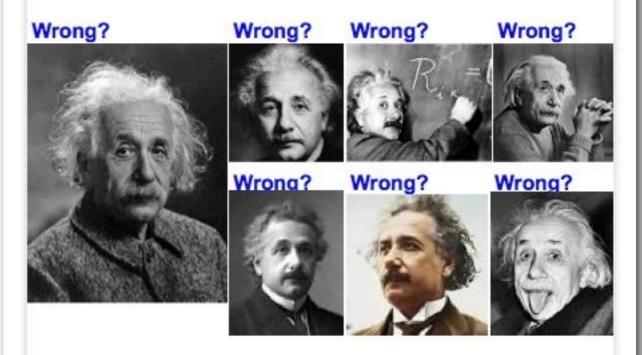








Click any fact to locate it on the web. Click Wrong? to report a problem. Cancel



Wrong?

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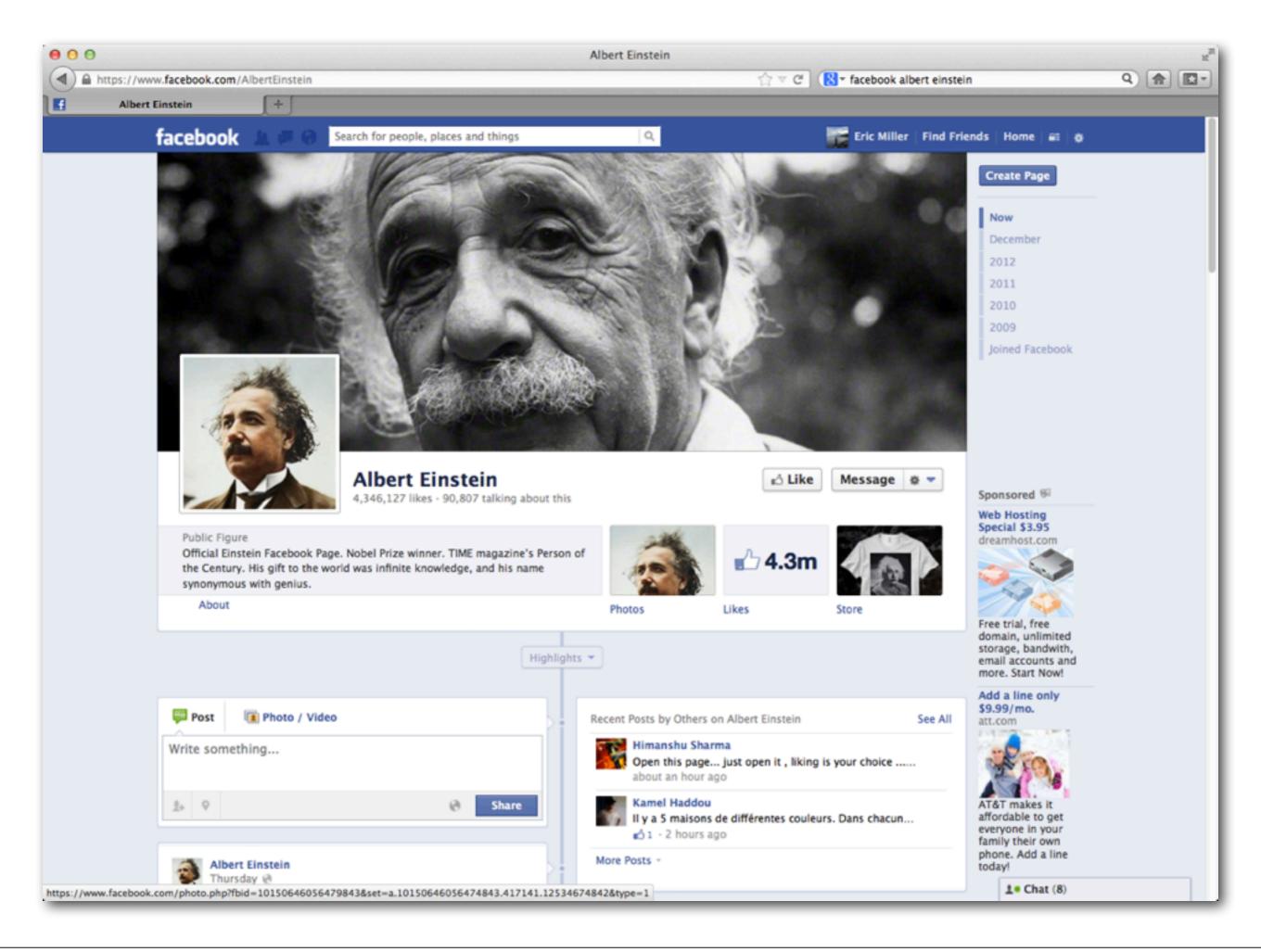
Zurich (1901), More

Wrong? Children: Hans Albert Einstein, Eduard Einstein,

Lieserl Einstein

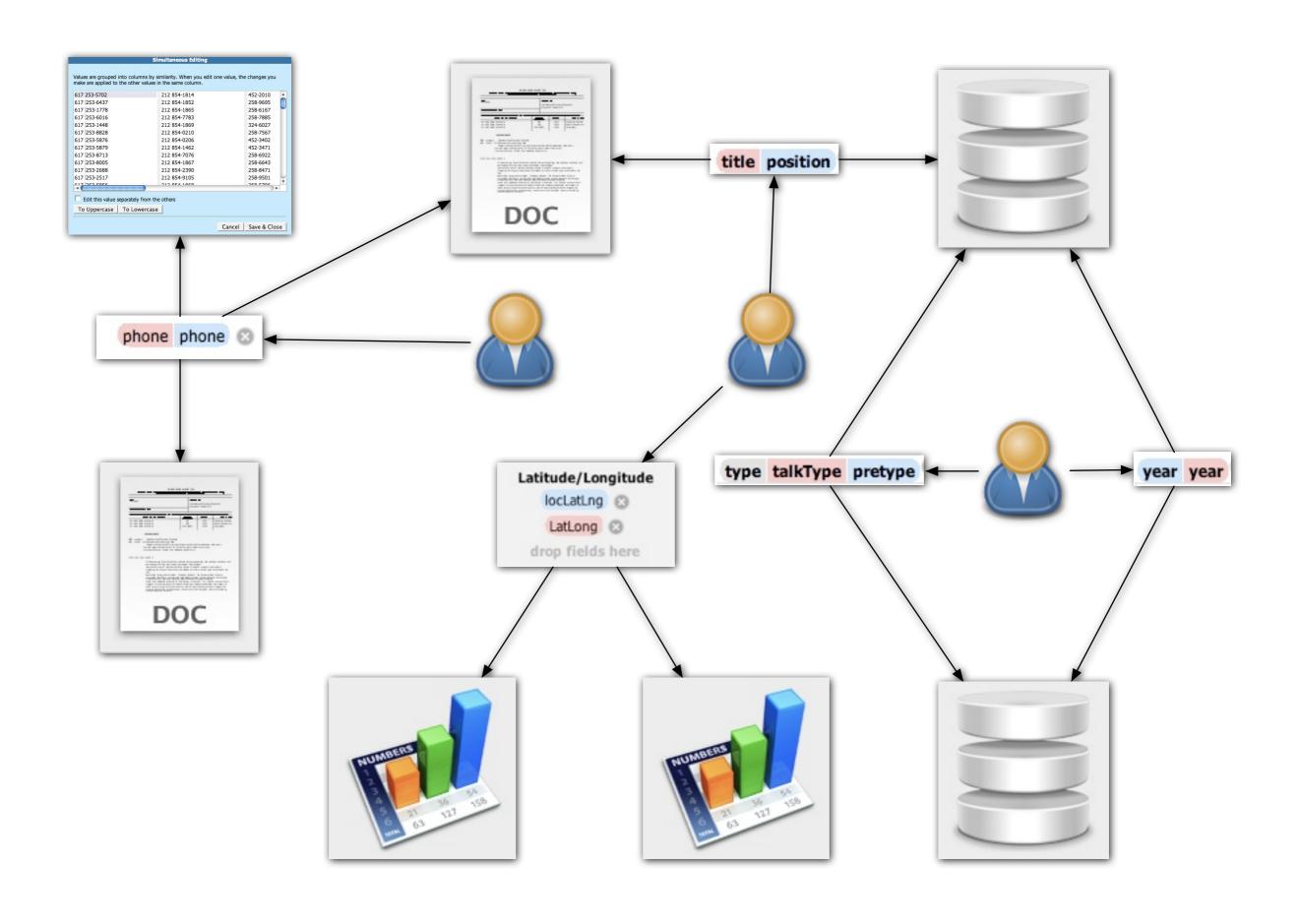
Wrong? Spouse: Elsa Einstein (m. 1919–1936), Mileva

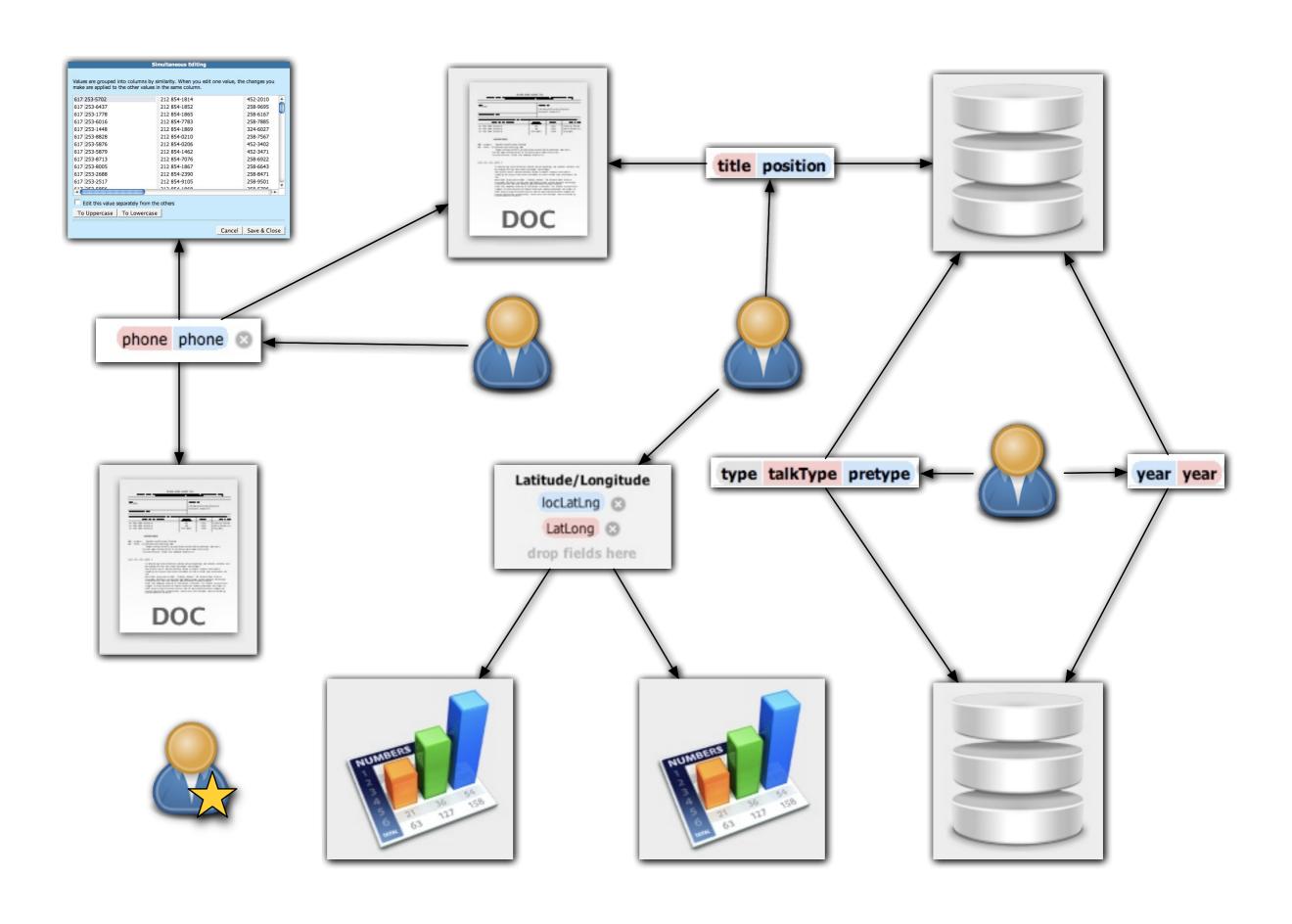
Marić (m. 1903-1919)

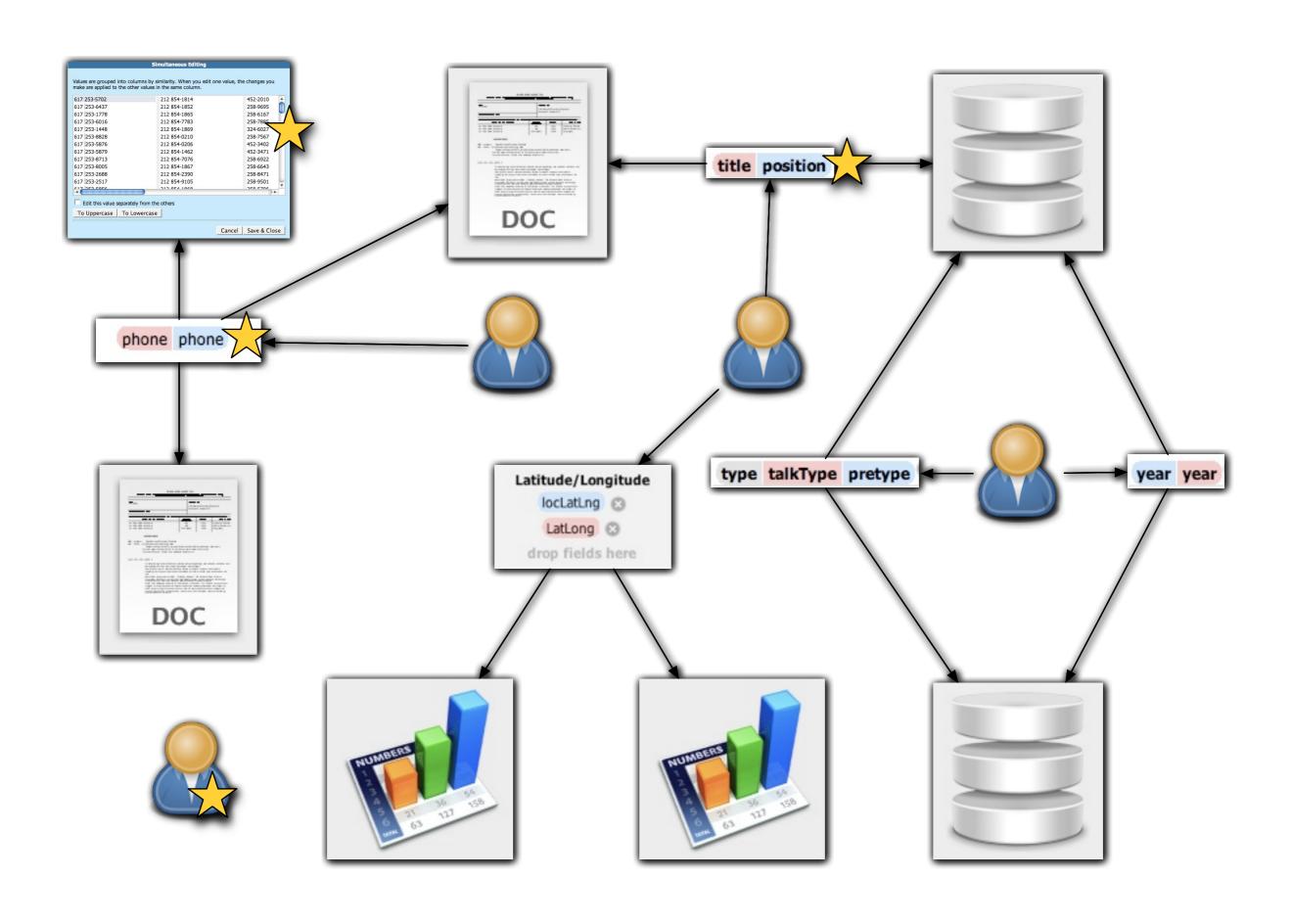


Credibility on the Web

- Search / Discovery engines results are aggregating information and presenting this by:
 - By "popularity"
 - By purchase (i.e. site pays to be ranked higher)
 - By search / discovery engine "special sauce"
- Common Web infrastructure, different business models
- Problem: Users don't know the difference
- When anyone can say anything about anything
- Who do you trust?







BIBFRAME as a Web of Trust

- Libraries have huge trust credit in physical space
- This translates into the Web
- BIBFRAME isn't just about replacing MARC
- Weaving the Best of the Web, Libraries and Users together
- Bringing credibility to the Web

Thank You

Comments or Questions

Eric Miller em@zepheira.com

