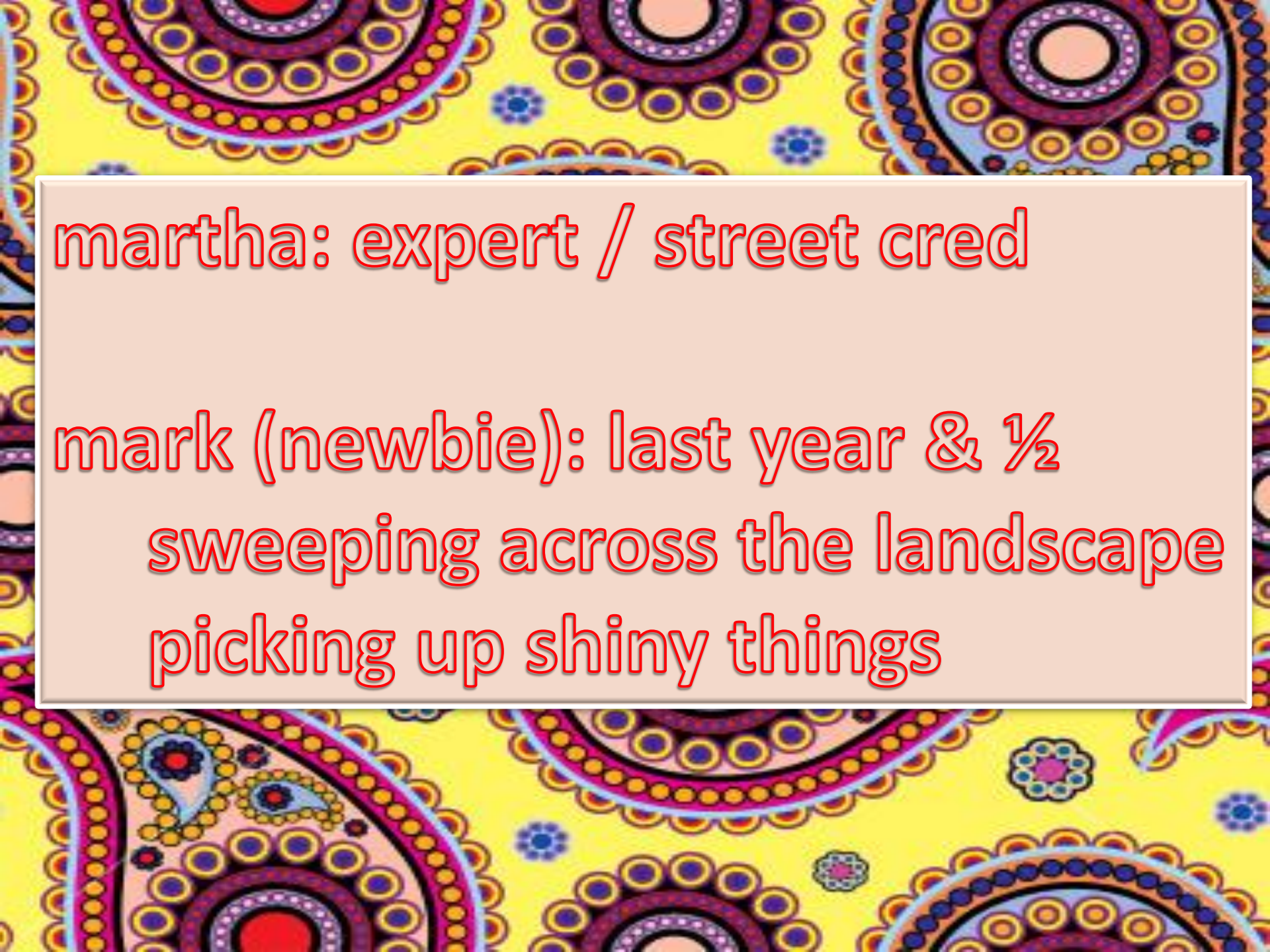




managing objects & data: call #s to namespaces

**by
martha rice sanders
mark caprio**

NETSL Conference 2010



martha: expert / street cred

mark (newbie): last year & ½
sweeping across the landscape
picking up shiny things



part 1: things to remember

JULIAN GRAVES LTD

KINGSWINFORD, WEST MIDLANDS, DY6 7FT

MILK CHOCOLATE COATED RAISINS

Milk Chocolate Contains Vegetable Fat In Addition To Cocoa Butter
Cocoa Solids 20% Minimum, Milk Solids 20% Minimum

Ingredients: Milk Chocolate (54%) (Sugar, Skimmed Milk Powder, Cocoa
Butter, Cocoa Mass, Butter Oil, Lactose, Vegetable Oil, Whey Powder,
Emulsifier: Soya Lecithin, Flavouring), Raisins (45%)

SELECT * FROM [Equipment Table] WHERE [Equipment ID]=4;

Packed In An Environment Where Gluten, Nuts & Sesame Seeds May Be Present



200ge

BEST BEFORE END

AUG 2007

6317T4A



entities

/ attributes

/ constraints

degree of abstraction

description:

- title
- description
- date
- image size



one standard to rule them all



*heterogeneity & extensibility
are a better idea*



mapping:

| crosswalks

| namespaces



subject

/ predicate

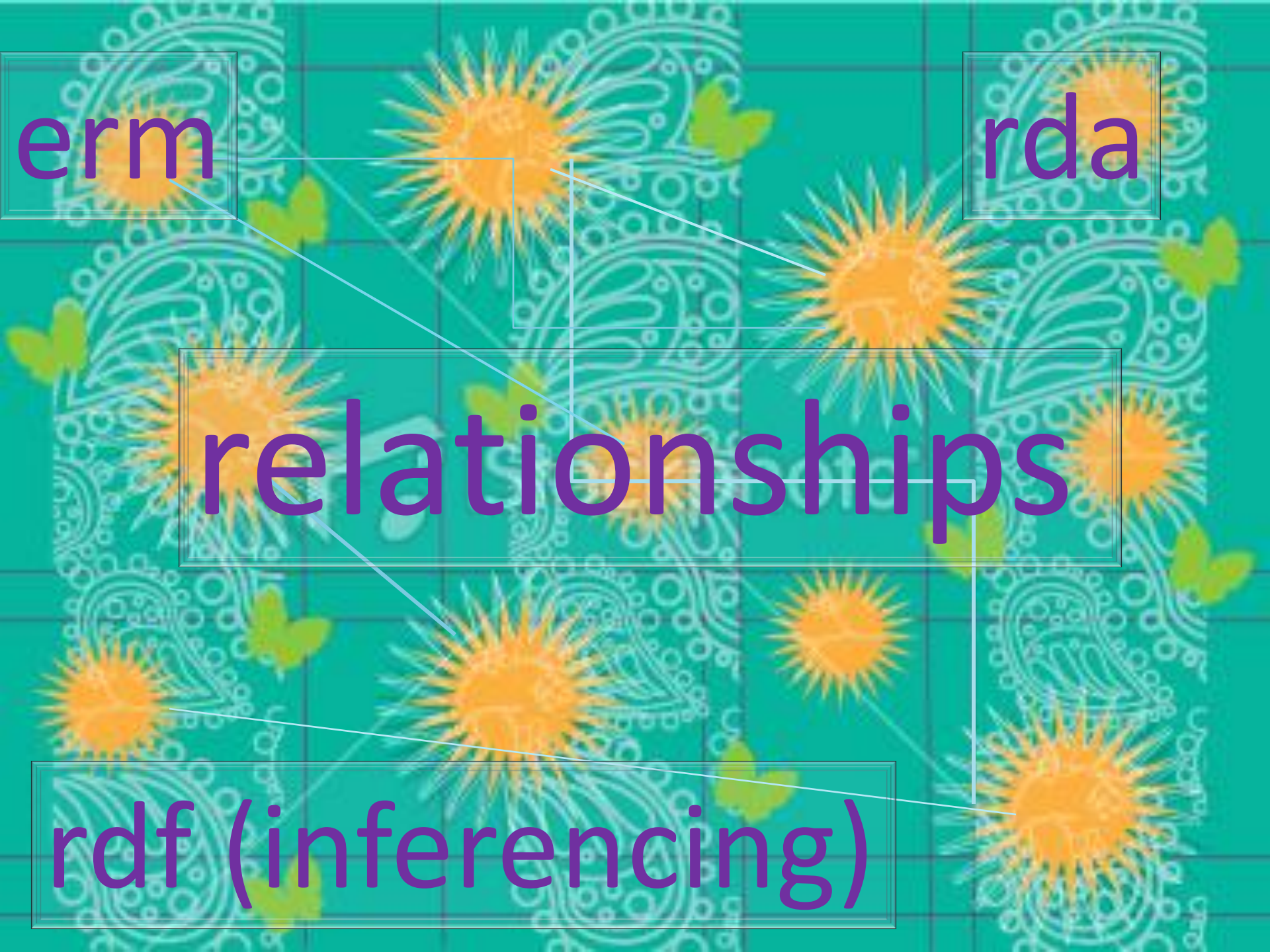
/ object

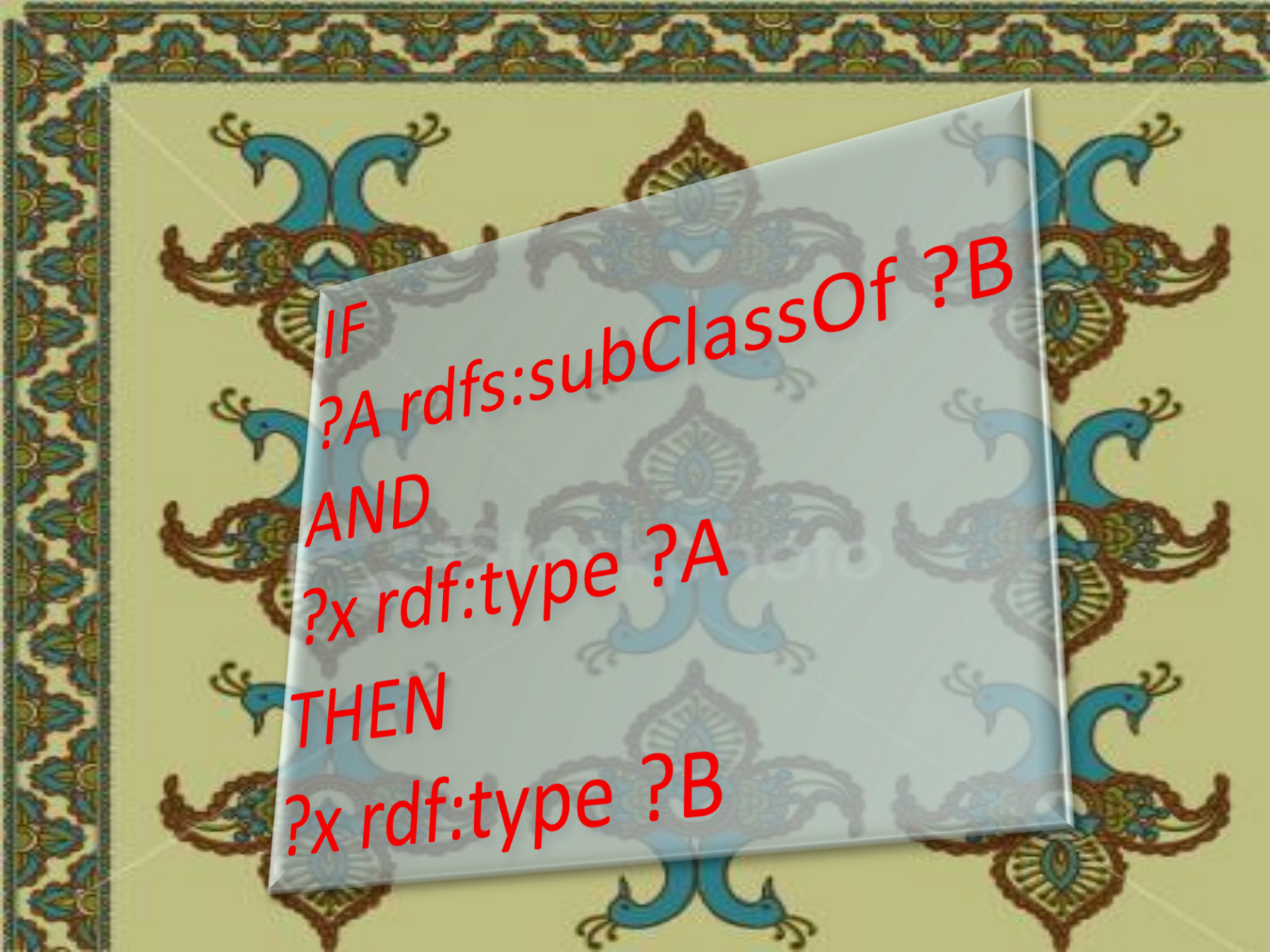
erm

rda

relationships

rdf (inferencing)





IF
?A rdfs:subClassOf ?B
AND
?x rdf:type ?A
THEN
?x rdf:type ?B

HUH?!

breathe!

relationships we already make:

subject headings

call numbers

uniform titles

languages we already speak:

AACR2

ISBD

LCSH

LCC

MARC

part 2





find

identify

framing discussion

select

obtain

[illegible]

















database
markup
programming logic



dynamic data merging
modeling / visualizations
computational analysis of texts
customizable data presentation tools

Example projects:

Library of Congress Subject Headings by Stanford University Computational Approaches To Stewardship and The Library of Congress's Office of Strategic Initiatives :

<http://cads.stanford.edu/lcshgalaxy/>

Timeline – Web Widget for Visualizing Temporal Data: <http://www.simile-widgets.org/timeline/>

National Cancer Institute – caBIG (Cancer
Biomedical Informatics Grid):

<https://cabig.nci.nih.gov/>

Sage Bionetworks:

<http://www.sagebase.org>

VIVO – enabling national networking of scientists:

<http://www.vivoweb.org/>

Open Archives Initiative Object Reuse and Exchange:
<http://www.openarchives.org/ore/>

IHME (Institute for Health Metrics and Evaluation):
<http://www.healthmetricsandevaluation.org/>

Martha Rice Sanders | Knowledge Management
Librarian | msanders@etal.uri.edu

Mark Caprio | Digital Services & Cataloging
Librarian | mcaprio1@providence.edu