



**Exhibition recommendation
using
British Museum data
and
Event Registry**

Introduction

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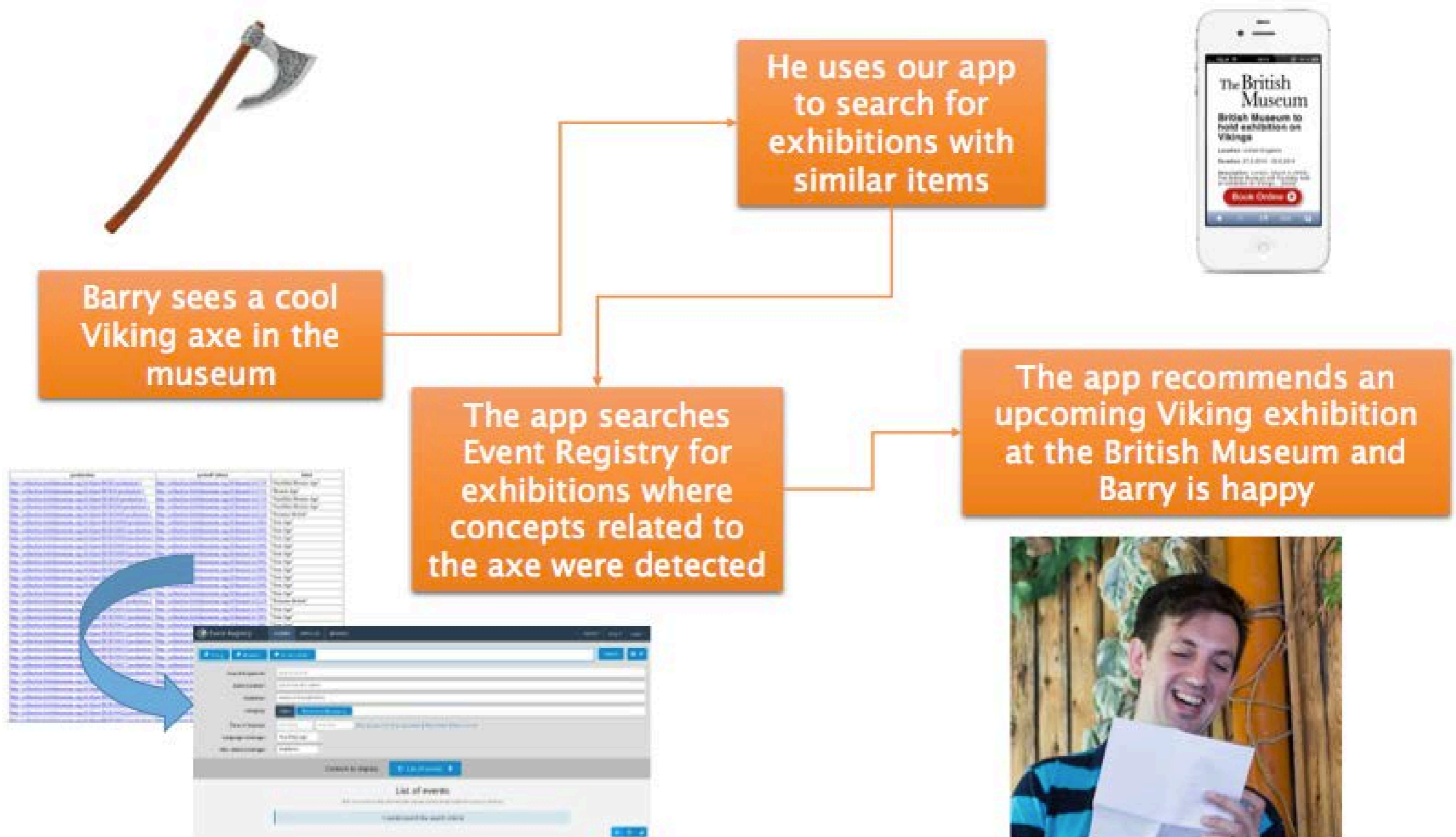
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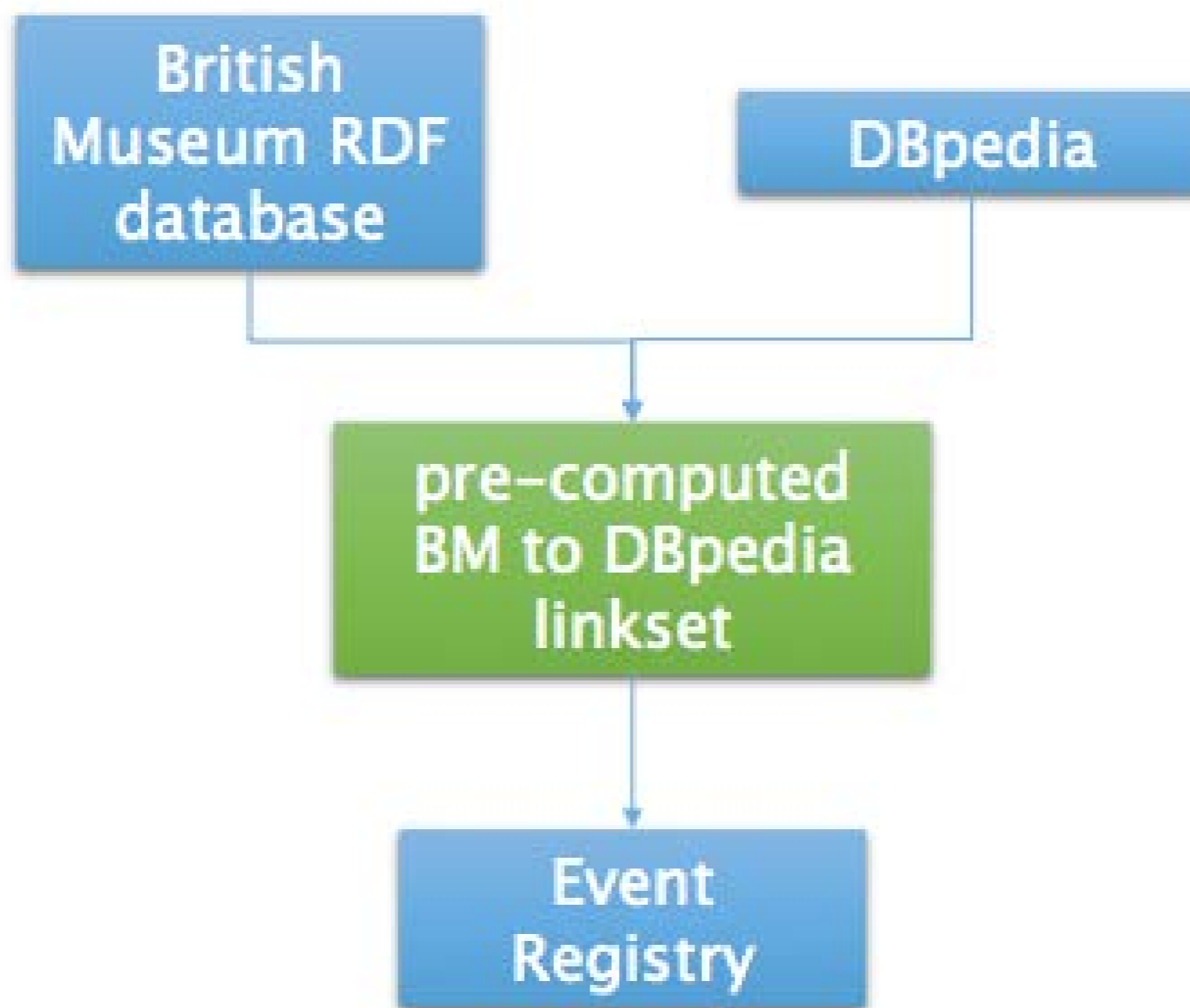
Problem Definition

- Exhibition data (time, date etc.) is stored in natural text in web pages and currently not stored as Linked Data.
- Why is this an issue?
- What could we do with this information in RDF format?

User workflow



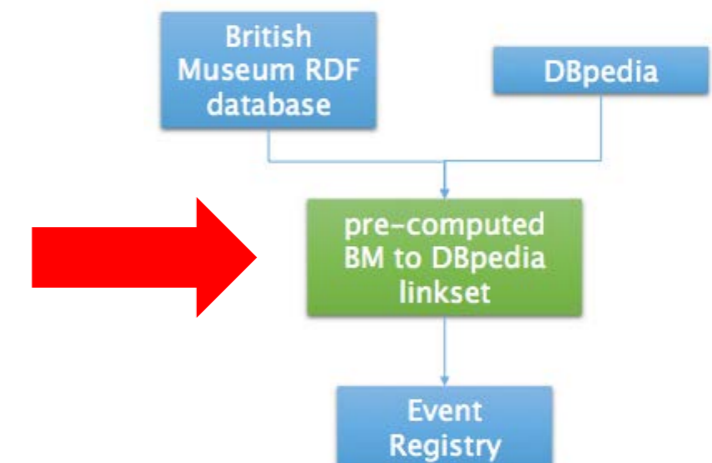
Technology stack



- Example SPARQL query used to retrieve labels that will map to Dbpedia concept:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX crm: <http://erlangen-crm.org/current/>
PREFIX skos: <http://www.w3.org/2004/02/skos/core#>

SELECT distinct ?label
WHERE
{
  ?production rdf:type crm:E12_Production;
    crm:P10_falls_within ?periodCulture.
  ?periodCulture skos:prefLabel ?label.
}
Order by (?label)|
```



- In this case, British Museum prefLabels correspond to DBpedia concepts with high accuracy.

Event Registry Integration



Event Registry | EVENTS | ARTICLES | BROWSE | ABOUT | eng | Login

Viking | Museum | Art exhibition | Search | Settings

Search keywords: plain keywords

Event location: city or country names

Publisher: names of the publishers

Category: Pick Reference/Museums

Time of interest: start date end date Clear | Last month | Last week | Next week | Next month

Language coverage: Any language

Min. event coverage: 0 articles



http://eventregistry.org/json/event?action=getEvents&conceptUri=http://en.wikipedia.org/wiki/Vikings&conceptUri=http://en.wikipedia.org/wiki/Museum&conceptUri=http://en.wikipedia.org/wiki/Art_exhibition&categoryUri=http://www.dmoz.org/Reference/Museums&sortBy=rel&conceptLang=eng&page=0&count=25&resultType=list

Event Registry Integration



Location

List of events

The list contains the information about events that match the search criteria.

1 events match the search criteria

Title

[British Museum to hold exhibition on Vikings](#)

WHEN: March 5, 2014

WHERE: United Kingdom

CATEGORIES: Reference → Museums , Reference → Museums → Science , Reference → Museums → Museum Resources

ENTITIES: [British Museum](#) [Northern Europe](#) [Berlin](#) [London](#) [England](#) [Republic of Iceland](#) [Turkey](#) [Spain](#) [National Museum of Denmark](#)

[Xinhua News Agency](#)

KEYWORDS: [Viking](#) [Art exhibition](#) [Museum](#) [The Museum](#) [Piracy](#) [The Vikings \(film\)](#) [Until June](#) [Discovery \(observation\)](#) [Metre](#)

[Authority](#)

ARTICLES: 9 (9 eng, 0 ger, 0 spa, 0 chi, 0 slo)

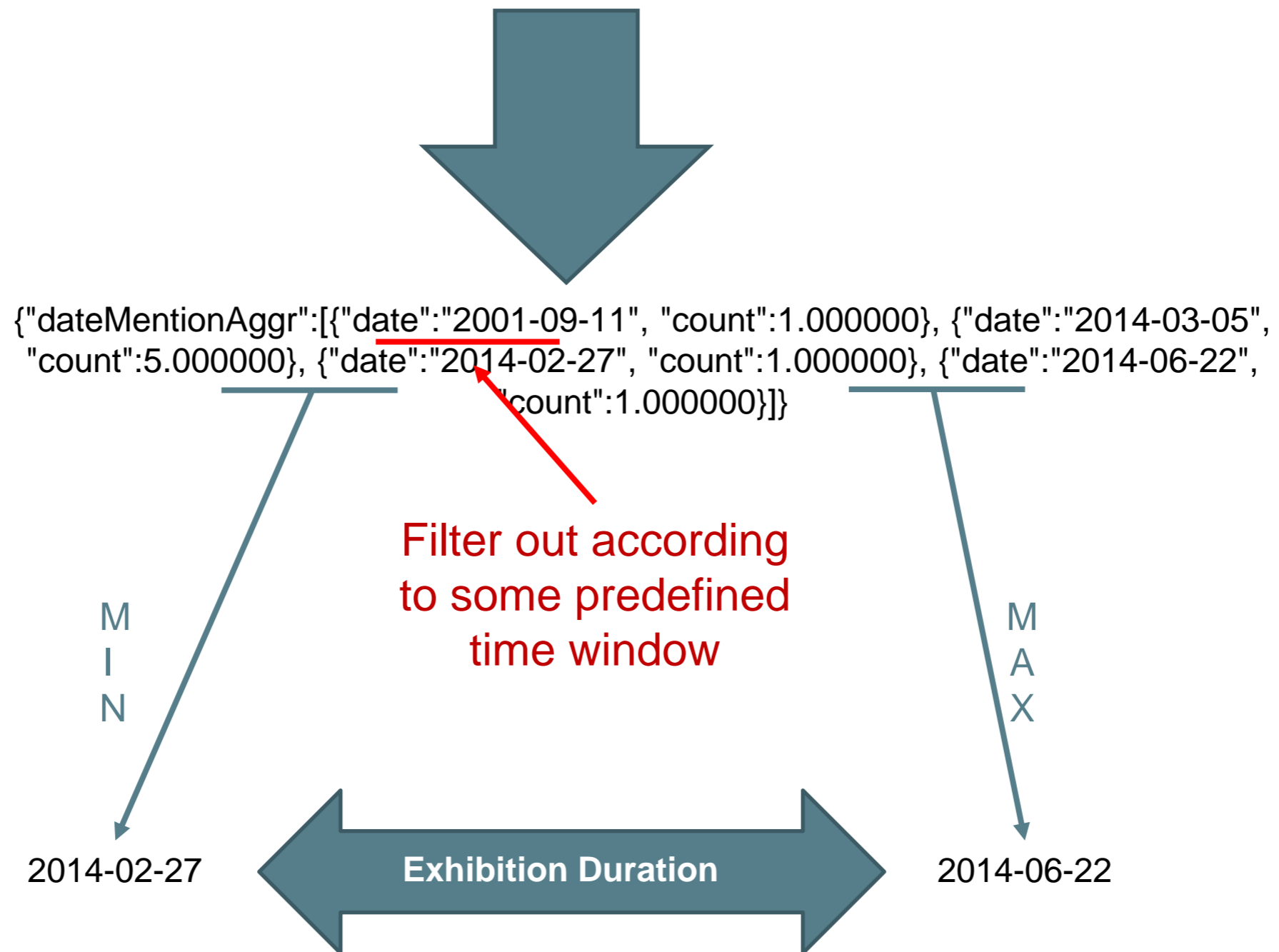
London, March 5 (IANS) The British Museum will Thursday hold an exhibition on Vikings, displaying discoveries and objects of the pirates from northern European 1,000 years ago, museum authorities said Tuesday. It is the first time for the museum to hold major exhibition of such kind for over 30 years. The exhibition will last until June 22, Xinhua reported. Organised in cooperation with the National Museum of Denmark and the National Museums in Berlin, the exhibition will focus on the...

Description

Time???

Event Registry Integration

eventregistry.org/json/event?action=getEvent&eventUri=443353&resultType=dateMentionAggr



Application PROTOTYPE



LESSONS LEARNED

- Important to use URIs rather than text for presenting content (DBpedia URI vs “China exhibition”)
- In order to be more useful we would need to scrape prefLabels from a number of instances.
- Time durations are inaccurate.

ASSUMPTIONS



- Assumes a very, very general search over the British Museum data.
- Assumes a method of aggregating potentially large number of EventRegistry results of a unreliable quality.

Future Work

- Integrate databases from a broader range of museums, i.e. worldwide.
- Extend functionality by creating user profiles, e.g. student studying Egyptian Civilization.
- More accurate time period ranges.
- Utilize tools such as SILK or LIMES for interlinking of museum concepts with DBpedia concepts.
- Create more robust and feature-rich interface.

THANK YOU!

