Συρτακί – Syrtaki

Group n. 7: Ignacio Traverso, Elena González-Blanco, Sebastien Ballesteros, Abduladem Aljamel
The idea...

Many people like listening to music while they read books...
The idea...

But sometimes is not to easy to match your favorite music with the content of the book you are reading!!!
But we offer a SyrtAPI
What is SyrtAPI?

It’s a new way of entertainment
What is SyrtAPI?

It’s a new way of entertainment

It saves time
What is SyrtAPI?

- It is a linked data based application
- It combines different datasets
  - www.musicbrainz.org
  - http://www.geonames.org
  - http://dbpedia.org
What is SyrtAPI?

- With cool stuff!
- Music lyrics
  http://lyrics.wikia.com
- And book reviews
  NYTimes Reviews
How to cope with this ...??

Syrtaki team, 4 september 2014, 16:00 ...
But finally inspiration arrived...
PREFIX mo: <http://purl.org/ontology/mo/>

SELECT ?s {?w mo:lyrics ?s}
LIMIT 500
SyrtAPI Architecture

- Wikilyrics HTML
- BoilerPipe Lyric Extranctor
- Music Brainz (RDF)
- NYTimes Bestseller JSON
- NLP Module
- Harvester
- COUCH - DB (JSON)
- CONVERTER JSON LD
- Recommended URI songs

- SPARQL
- JS DOM
- JS
- JS
- JS

Conclusions & Results

- Always bet on JavaScript & JSON LD
- Cool stuff like Linked Data Fragments
  - Full SPARQL query client side is 6 lines of JS!
- It’s good to combine classical restful API, hypermedia and Linked Data
Conclusions & Results

- So far we got
  - Pipeline ready waiting for internet connection!
  - 25 lyrics
  - 10 books reviews
  - a cool website
Syrtaki


Book ISBN e.g. 9780375725609

Get Related Songs
Lessons Learned

- We’ve learned a lot! ... not only SPARQL, but also
  - How to use Linked Data vocabularies
  - How to link Linked Data datasets
  - The difficulty of finding data
  - Teamworking
  - Other Cool technologies
Future work...

- Adding more datasets
- Adding more and different sources of book reviews
- Developing a mobile app html 5
- Link our app to music libraries like iTunes
- Add more NLP to analyze the texts
- Make money