

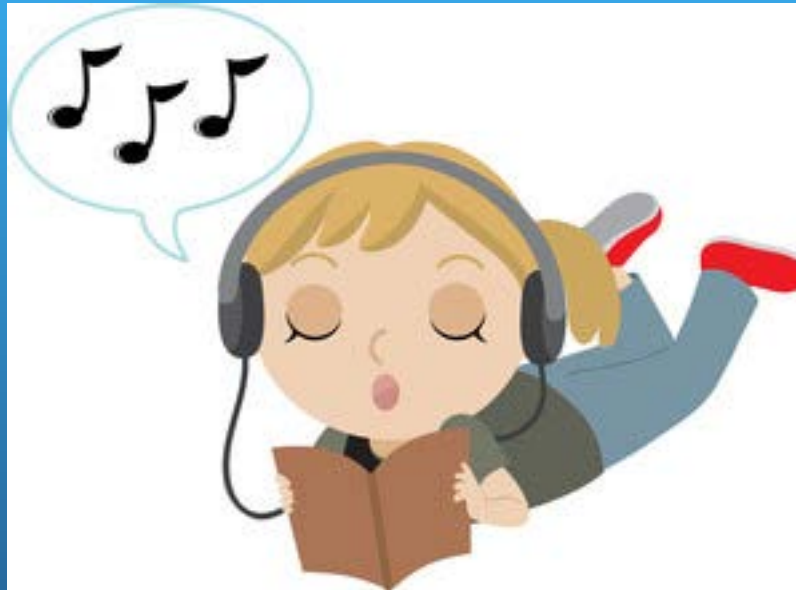


Συρτακι – Syrtaki

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



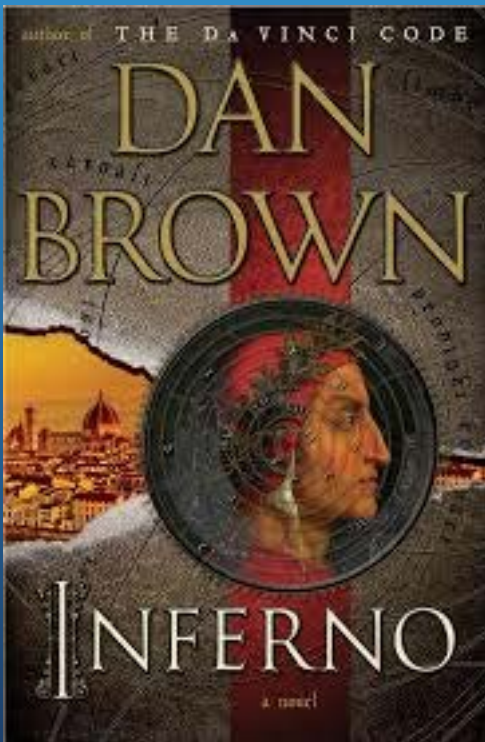
The idea...



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>



GeoNames



What is SyrtAPI?

- With cool stuff!
- Music lyrics
<http://lyrics.wikia.com>

CHORUS

Lu - la gal, Lu - la gal, Lu - la gal, Lu - la gal--

Tie ma shoe, boy, tie ma shoe. Tie ma shoe, boy, tie ma shoe.

VERSE

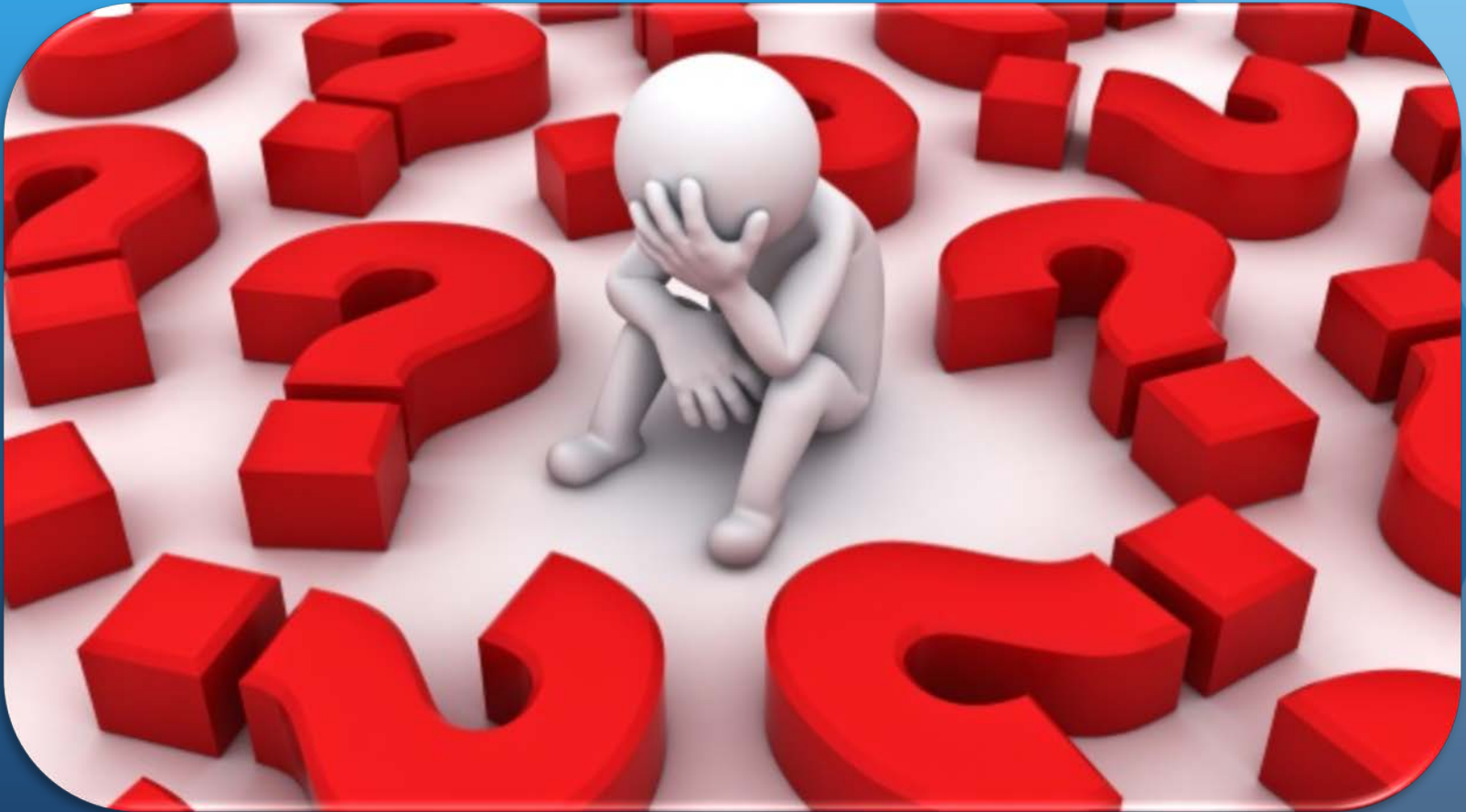
Jawbone walk and a jawbone talk, — Jawbone eat with a knife and fork.

Lef' ma jawbone in de cawnah ob de fence, An' I hab not seen ma jawbone sence.



- And book reviews
NYTimes Reviews

How to cope with this ...??



Syrtaki team, 4 september 2014, 16:00 ...

But finally inspiration arrived...



Syrtaki team, 4 september 2014, 19:00 ...

SPARQL Musicbrainz Dataset

Default Data Set Name (Graph IRI)

Query Text

```
PREFIX mo: <http://purl.org/ontology/mo/>
SELECT ?s {?w mo:lyrics ?s}
LIMIT 500
```

(Security restrictions of this server do not allow you to retrieve remote RDF data, see [details](#).)

Results Format:

Execution timeout:

 milliseconds (values less than 1000)

Options:

Strict checking of void variables

(The result can only be sent back to browser, not saved on the server, see [details](#))

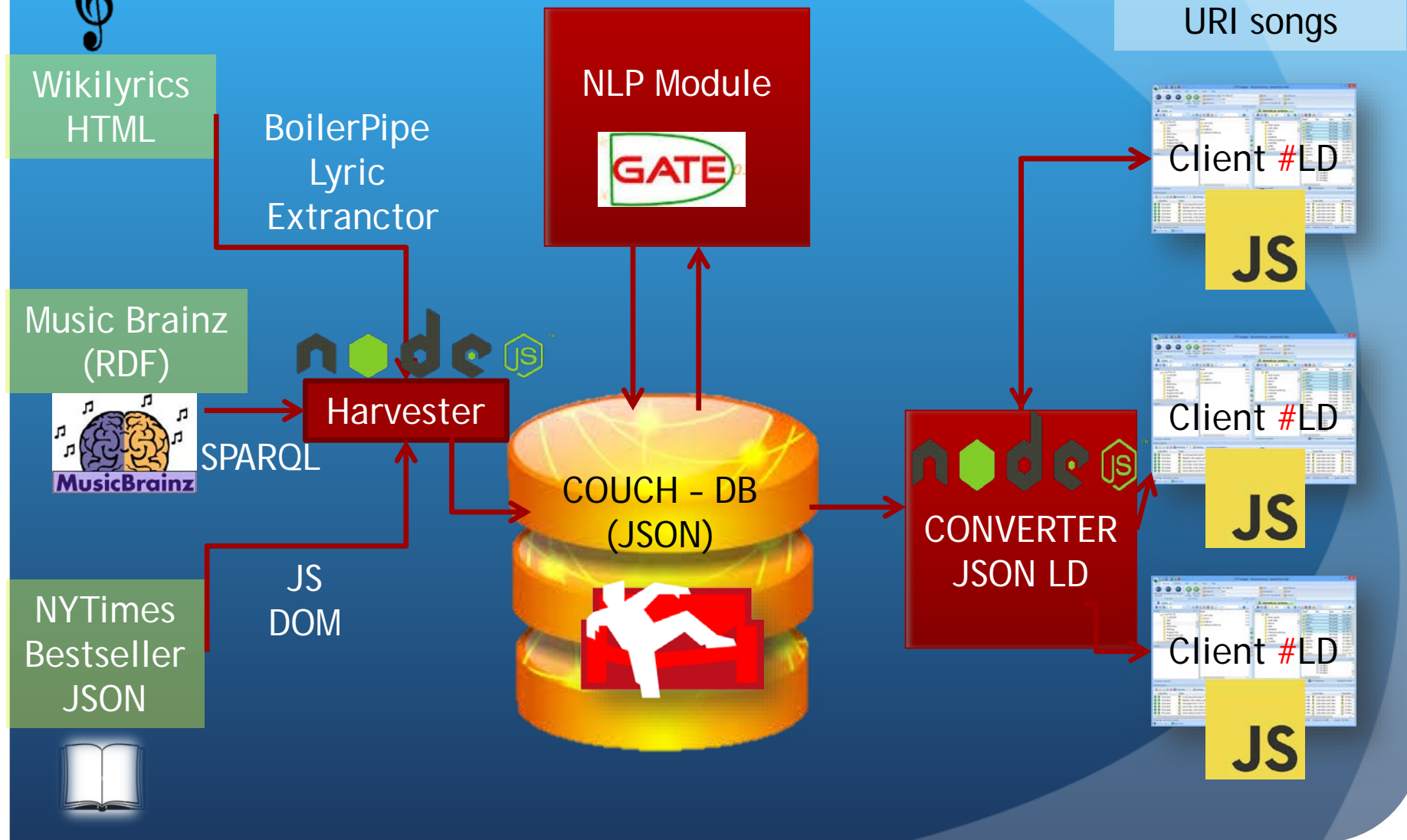
Run Query

Reset

```
http://lyrics.wikia.com/Erste_Allgemeine_Verunsicherung:Wies_Uber_Sich_Selbst
"http://lyrics.wikia.com/Amplifier:Neon"
"http://lyrics.wikia.com/Anastacia:I'm_Outta_Love"
"http://lyrics.wikia.com/U2:Drowning_Man"
"http://lyrics.wikia.com/Nasum:L%C3%B6pandebandsprincipen"
"http://lyrics.wikia.com/Ill_Ni%C3%B1o:How_Can_I_Live_(Spanish_Version)"
"http://lyrics.wikia.com/Ozzy_Osbourne:Suicide_Solution"
"http://lyrics.wikia.com/U2:The_Ocean"
"http://lyrics.wikia.com/U2:Gloria"
"http://lyrics.wikia.com/
The_Beatles:Everybody's_Got_Something_To_Hide_Except_Me_And_My_Monkey"
"http://lyrics.wikia.com/At_The_Gates:Kingdom_Gone"
"http://lyrics.wikia.com/Kreator:Take_Their_Lives"
"http://lyrics.wikia.com/Jem:They"
"http://lyrics.wikia.com/Graveworm:Dreaming_Into_Reality"
"http://lyrics.wikia.com/Alien_Ant_Farm:These_Days"
"http://lyrics.wikia.com/Ill_Ni%C3%B1o:If_You_Still_Hate_Me"
"http://lyrics.wikia.com/Billy_Talent:River_Below"
"http://lyrics.wikia.com/Fool's_Garden:Lemon_Tree"
"http://lyrics.wikia.com/Massive_Attack:Teardrop"
"http://lyrics.wikia.com/Bob_Dylan:Gospel_Plow"
"http://lyrics.wikia.com/Megadeth:Angry_Again"
"http://lyrics.wikia.com/Slint:Nosferatu_Man"
"http://lyrics.wikia.com/Erste_Allgemeine_Verunsicherung:Neppo_2"
"http://lyrics.wikia.com/Stevie_Ray_Vaughan:Tightrope"
"http://lyrics.wikia.com/Killswitch_Engage:The_Element_Of_One"
"http://lyrics.wikia.com/Asia:Heat_Of_The_Moment"
"http://lyrics.wikia.com/At_The_Gates:The_Break_Of_Autum"
"http://lyrics.wikia.com/Cemetary:New_Dawn_Coming"
"http://lyrics.wikia.com/Eagles:The_Last_Resort"
"http://lyrics.wikia.com/Lake_Of_Tears:When_My_Sun_Comes_Down"
"http://lyrics.wikia.com/At_The_Gates:Raped_By_The_Light_Of_Christ"
"http://lyrics.wikia.com/Black_Sabbath:War_Pigs"
"http://lyrics.wikia.com/Led_Zeppelin:The_Wanton_Song"
"http://lyrics.wikia.com/Graveworm:Beauty_Of_Malice"
"http://lyrics.wikia.com/Ill_Ni%C3%B1o:Part_Of_The_Signs"
"http://lyrics.wikia.com/Cemetary_1213:Linking_Shadows"
"http://lyrics.wikia.com/Europe:I'll_Cry_For_You"
"http://lyrics.wikia.com/The_Beatles:Two_Of_Us"
"http://lyrics.wikia.com/Shaggy:Boombastic"
"http://lyrics.wikia.com/The_Beatles:I'll_Be_Back"
"http://lyrics.wikia.com/Neutral_Milk_Hotel:Oh_Comely"
"http://lyrics.wikia.com/Nasum:No_Sign_Of_Improvement"
"http://lyrics.wikia.com/The_Beatles:P.S._I_Love_You"
```



SyrtAPI Architecture



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

JS



Conclusions & Results

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



Unable to connect to the Internet

Less

Syrtaki



Enter information about a book (ISBN), get related songs.

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 analyse the texts
- Make money

