A Simple API to the KnowledgeStore

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Background / Motivation

- **NewsReader**: the “History” Recorder
- **KnowledgeStore**: interlinked storage of news and SW content

- **Goals:**
  - ease web developers access to KS SPARQL + CRUD endpoints
  - limit “creativity” in query formulation

Visit the DEMO!
Implementation

- Python Flask App
- Modular queries
  - New queries need relatively little code
- Self-documenting
  - Bootstrap CSS to make things look nice
- Testing
Lessons Learned

● Learning SPARQL on toy datasets vs. real datasets
● A URI is not (necessarily) an answer…
● Web developers expect paged results
● SPARQL Query optimization may lead to big performance improvement
In use

- London Hackathon (June 2014)
  - Focused on FIFA World Cup
  - 40 developers
  - 30K queries, 20 queries/s
  - 10 projects
Pointers

- Simple API
  
  [http://newsreader.scraperwiki.com](http://newsreader.scraperwiki.com)

- Simple API code
  
  [https://bitbucket.org/scraperwikids/newsreader_api_flask_app](https://bitbucket.org/scraperwikids/newsreader_api_flask_app)

- [NewsReader](http://www.newsreader-project.eu)

- **KnowledgeStore**
  
  [https://knowledgestore.fbk.eu](https://knowledgestore.fbk.eu)