

# DjangoSDMX Project

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# What is it about?

- An open source project with a goal to implement the SDMX Information Model using the Django web framework as well as the Django REST framework
- Independent development on my spare time but based on my ten year Bank of Greece working experience

Pronunciation:

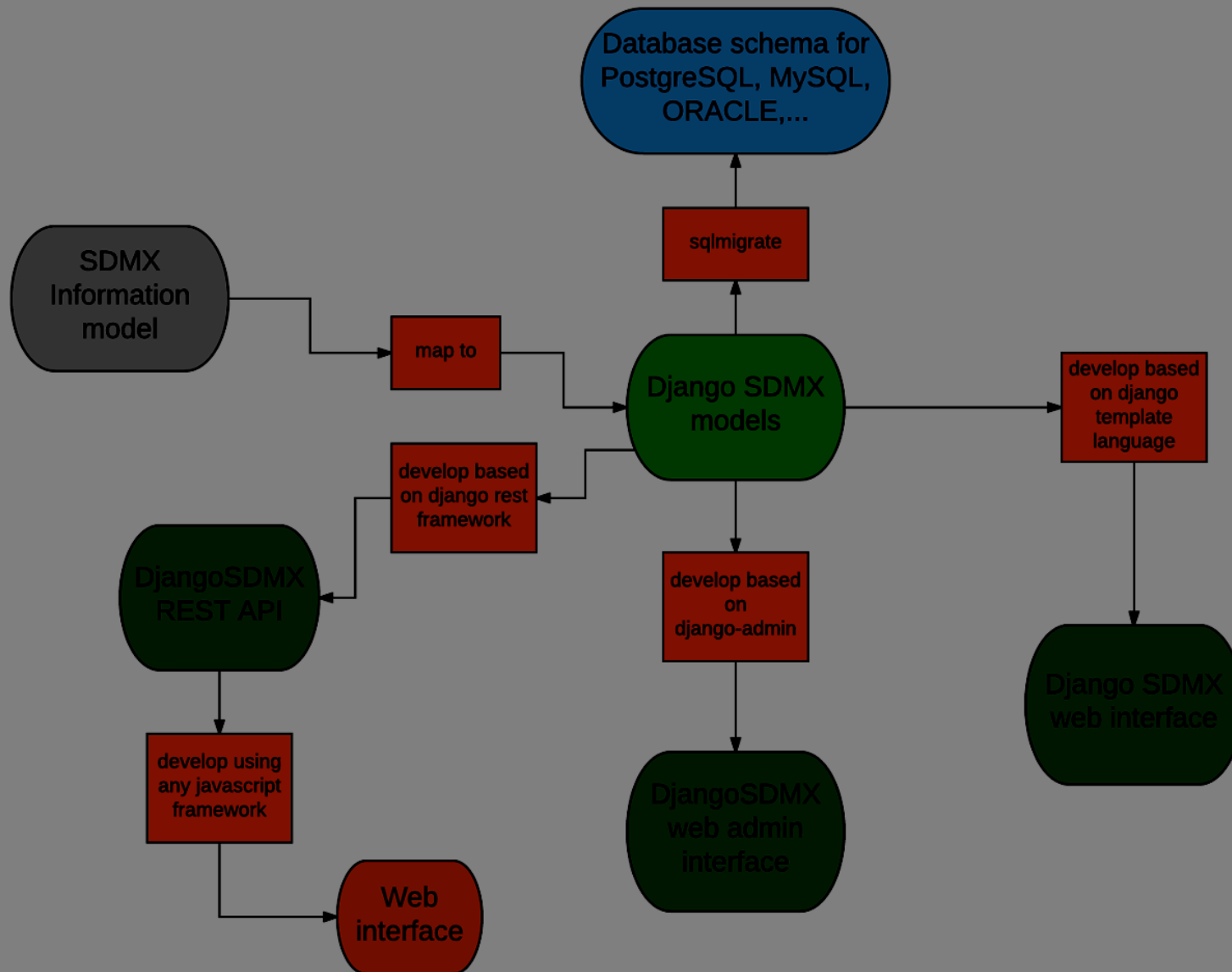
SQL: sequel as opposed to es quoue el?

Since there is no official guide on pronouncing SDMX I prefer sedoumex rather than es di em ex...

# Why open source and on github?

- Active development
- World-wide collaboration – encourages contributors to participate
- Efficient allocation of resources
- Elimination of repetitive work among organisations
- Use of other open-source libraries, frameworks, apps... no time for wheel recreation
- Continuous progress occurs through opensource – for finance we have technologies such as cryptocurrencies, blockchains, initial coin offerings

# DjangoSDMX Project Overview



What has been done so far...

# On DjangoSDMX models

- .Creation of models (90% complete)
- .Validation checks based on SDMX-ML schemas (40% complete)
- .Creation of user-authorization tables as well as generation of roles and permissions (25% complete)
- .Generation of custom object-managers and indexes to optimize sql queries (30% complete)
- .Tests (0% complete)...

# On DjangoSDMX web admin interface

- Creation of site to perform CRUD operations (60% complete)
- Automated tests (0% complete)

# On DjangoSDMX REST API

- Generation of serializers (50% complete)
- Generation of URLs (50% complete)
- Generation of views (25% complete)
- Generation of DjangoSDMX-ML renderer (0% complete)
- Generation of DjangoSDMX-JSON renderer (0% complete)
- Generation of DjangoSDMX-ML/JSON readers (0% complete)
  - Considering using the readers of the pandasSDMX



# Design considerations

- One Django app?
- Many interconnected Django apps?
- A framework?
- A project?

Demonstration of the DjangoSDMX admin app... if  
there is time...

# The journey

- Background in economics and statistics
- Taught myself programming to automate boring repetitive stuff
- Internet is a great teacher
- Tons of tutorials, documentation, youtube videos, discussions
- Programming languages: started with Stata and moved to Python (and in the process I've learned some C)
- Text editors: started with the builtin Stata text editor and moved to Vim and then Neovim

Thank you for your attention!