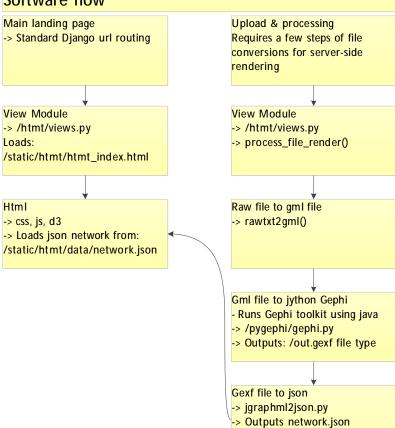
Network Visualization Tool

May 1, 2016 (http://52.23.187.251) Technical review

The web app allows the user to upload a node connection file and displays in usind d3.js. The force directed layout is generated using the Gephi toolkit.



Software flow



```
Steps to refresh server code:

Local code push
git pull
git add --all
git commit -m "change comments"
git push
Server login & refresh
52.23.187.251 (putty config'd w/ key file)
bitnami
sudo -s
cd /home/bitnami/apps/django/django_projects/Project/Project
git pull
apachectl -k graceful
Edit/view error log:
```

Requirements Installation

Steps to install jthyon on linux:

- java
- apt-get install openjdk-7-jre-headless

vi /opt/bitnami/apache2/logs/error_log

- sudo apt-get -y install jython

Research and Similar Notes

http://brendangriffen.com/blog/gow-programming-languages

https://github.com/bgriffen/griffsgraphs

https://blog.ouseful.info/2012/07/03/mapping-how-programming-languages-

influenced-each-other-according-to-wikipedia/

BEST gelphi tutorial:

 $\frac{https://blog.ouseful.info/2012/07/03/visualising-related-entries-in-wikipedia-using-gephi/$

 $\frac{http://exploringdata.github.io/vis/programming-languages-influence}{network/}$

 $\underline{https://github.com/jsundram/pygephi}$

Github source

https://github.com/fatiherikli/programming-language-network

Gephi Notes

G = nx.read_graphml('test.graphml')

https://gephi.org/tutorials/gephi-tutorial-toolkit.pdf

 $\underline{http://www.programcreek.com/java-api-examples/}$

index.php?api=org.gephi.io.exporter.spi.GraphExporter

 $\underline{http://stackoverflow.com/questions/10205811/how-to-iterate-over-graphmleft and the properties of t$

file-with-lxml

 $\frac{http://stackoverflow.com/questions/17002594/processing-xml-file-with-networkx-in-python$