

Web Application Development



Contributors

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Role : Load Balance
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Role : Load Balance
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Source Code

https://github.com/boom10899/219351_Project

Presentation Slide

<https://docs.google.com/presentation/d/1AliwcXtIH6oAbHnrAManUWkt48Ndxo6mGPLOWOlAb6I/edit?usp=sharing>

Librario



The purpose of these goals is to create a standardized New Testament for the modern English reader.

There are two ways to create a standardized text. The first way is to create a text of such surpassing scholarship and expression that it practically eliminates the use of other editions for decades or perhaps centuries. The second way is to isolate what the most widely used editions have in common, eliminate what they do not have in common, and place the results in a single text.

Submit

Results

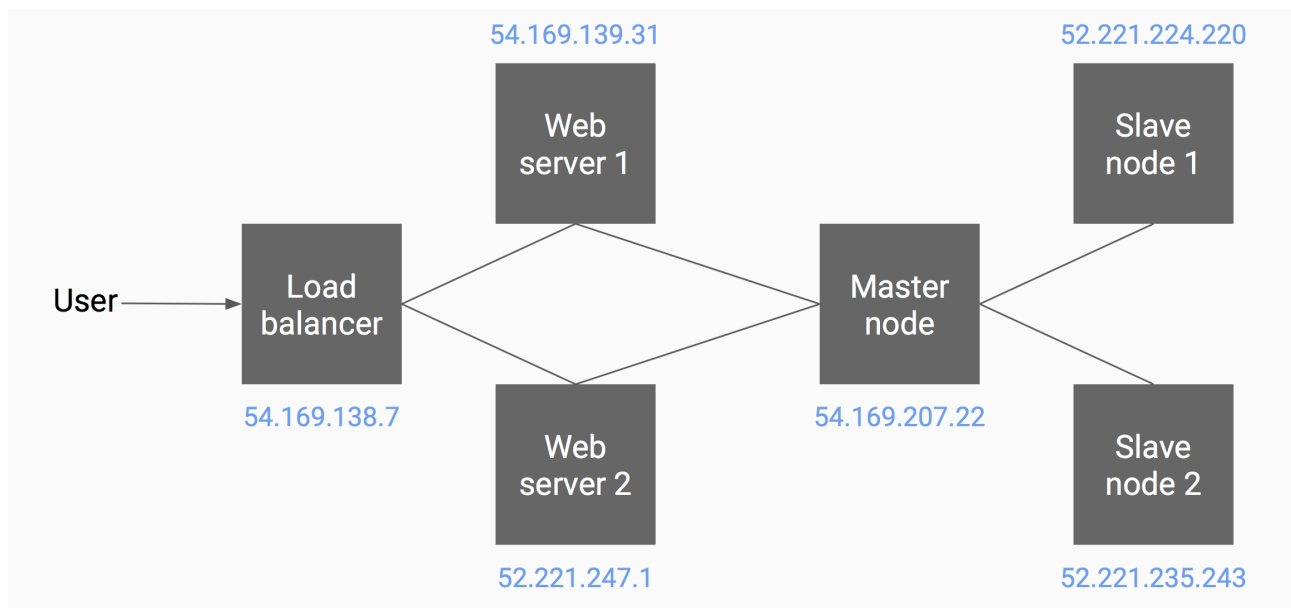
String	Document's name
The second way is to isolate what the most widely used editions have in common, eliminate what they do not have in common, and place the results in a single text.	Introduction_and_Copyright
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There are two ways to create a standardized text.	Introduction_and_Copyright
The purpose of these goals is to create a standardized New Testament for the modern English reader.	Introduction_and_Copyright

Architecture Design

- Load Balance
54.169.138.7

- Web Server
54.169.139.31
52.221.247.1

- Hadoop Node
54.169.207.22 (Master Node)
52.221.224.220 (Slave Node)
52.221.235.243 (Slave Node)



Load Balance

- Use nginx with Least Connection Algorithm for load balance.

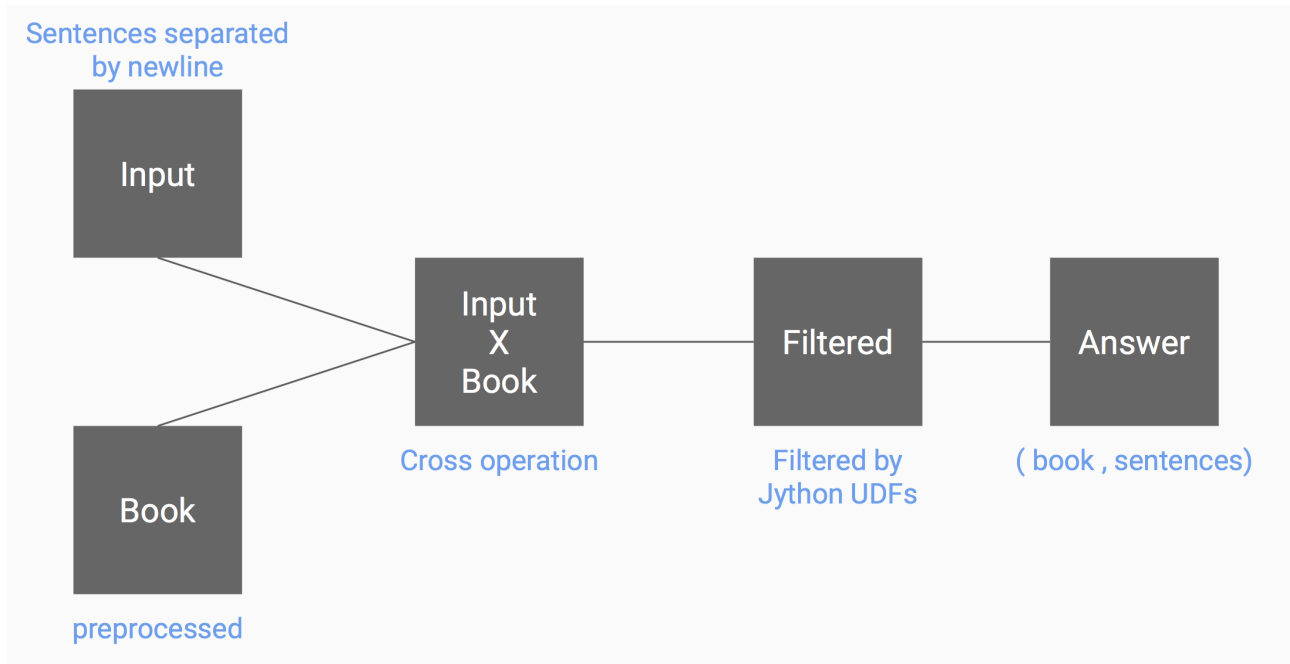
Web Server

- Use jQuery
- Send data with AJAX

Preprocess for Books

- Reformat each book into one line.
- Remove '\n', '\r', '\t' and multiple instances of ' '
- Add file name in front of line separated by '\t'

Pig Design



- Get input and cross operation with Book that we want to search.
- Filtered by Jython UDFs.
- Return answer to Web Server.