

# Overview

Proposed tools for each process:

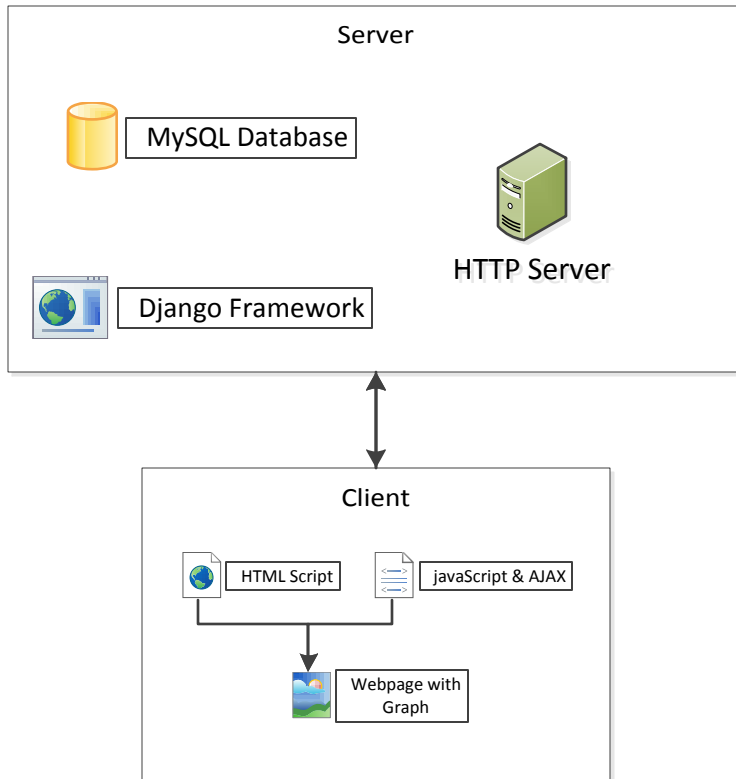
**Remote Server** -> houses MySQL/sqlite3 database and http server = WAMP  
Server -> uses Apache HTTP server and MySQL or sqlite3 database

**Web Application Framework** -> used to retrieve and serialize the data = Django  
-> using XSLT as a substitute template engine

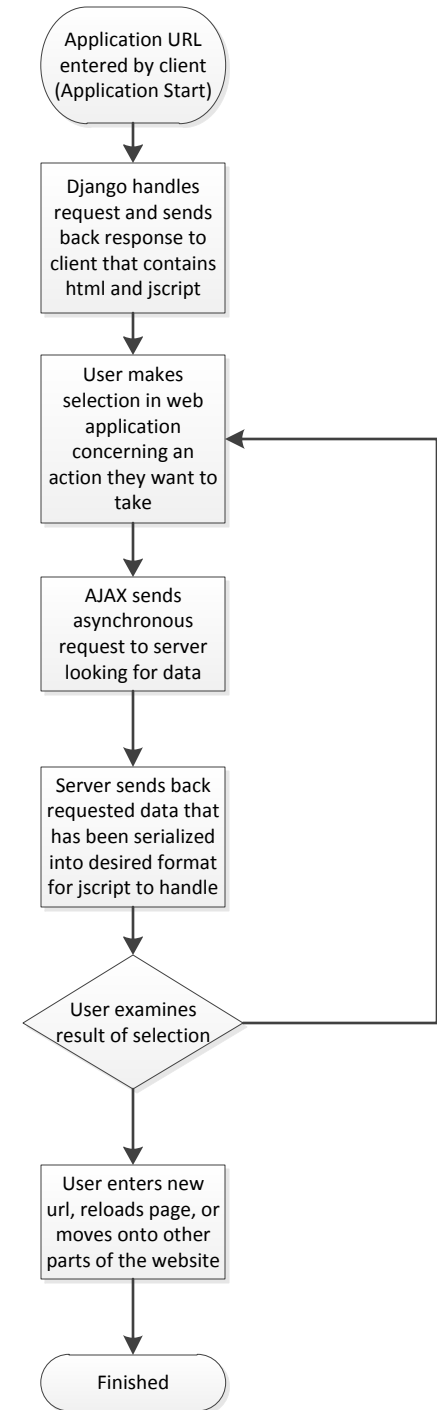
**Front End Templates** -> used to generate standardized format of data = Bootstrap  
or other open source dashboard templates

**Dynamic Front End Functionality** -> makes web page dynamic instead of static  
data display = Ajax, JQuery, Flotjs, JSON -> uses ajax/jquery to request  
data (serialized as JSON) and displays the data in graphs using Flotjs

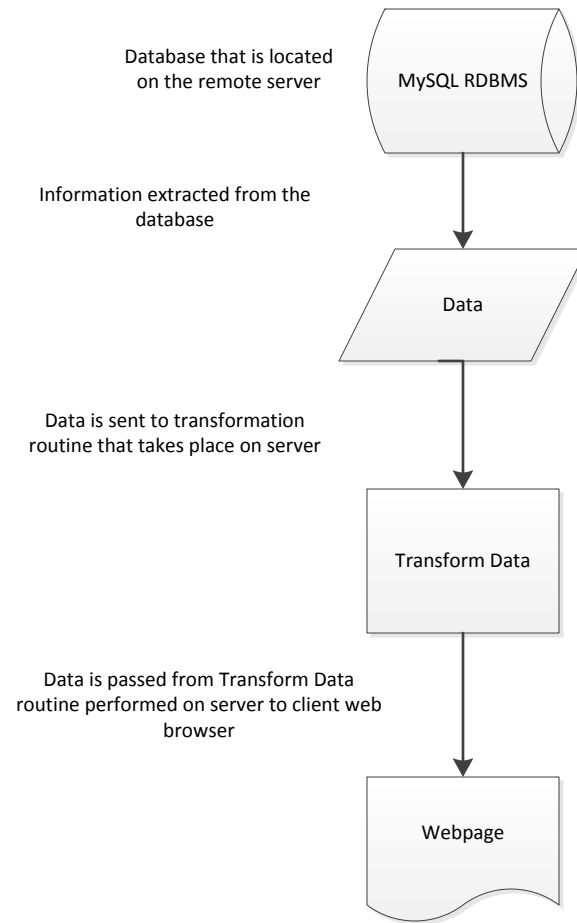
## Application Parts & Arrangement



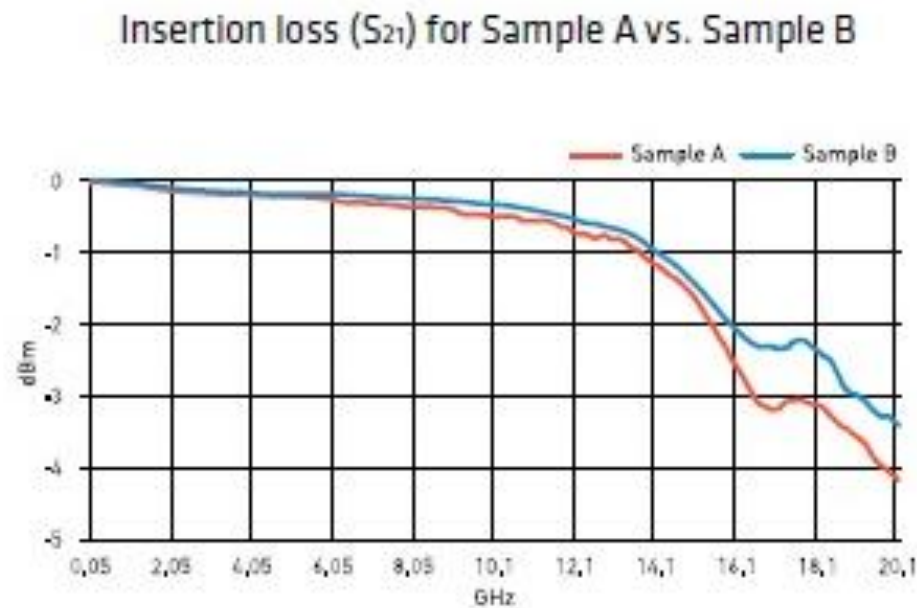
## Application Process Flow



## Data Flow for AJAX Request



Basic Example of a Chart/Graph that  
will be displayed in the dashboard  
layout produced by Flotjs



- Multiple traces/lines on the same chart
- Y-axis = magnitude
- X-axis = frequency