Assignment-10

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We already learnt about many different services that amazon and google provides. So we decided to try something new to us. Since we were planning to host a web application we came across various cloud providers, but as we were using python as our programming language, we decided to go with

“PythonAnywhere.com-Host, run, and code Python in the cloud”

Application:

Our application currently does two things:   
(1) Cluster in a 3 Dimensional Data and   
(2) Generate a word cloud on the words provided by the user.

The link to the dataset that we used for clustering:  
  
https://storage.googleapis.com/cloudbucket786/imptry4.csv

1. We used Python libraries namely Scipy, Numpy, Matplotlib , etc to plot our 3-D clustering
2. We used D3.js to generate a wordcloud

Link to the Web application:

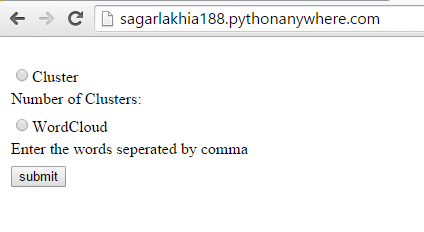
<http://sagarlakhia188.pythonanywhere.com>

<http://abhitej.pythonanywhere.com>

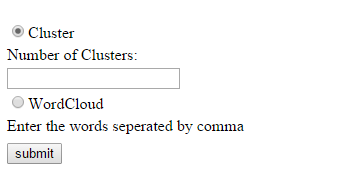
Note: Both the links point to the same project created by each team member

Screenshots:

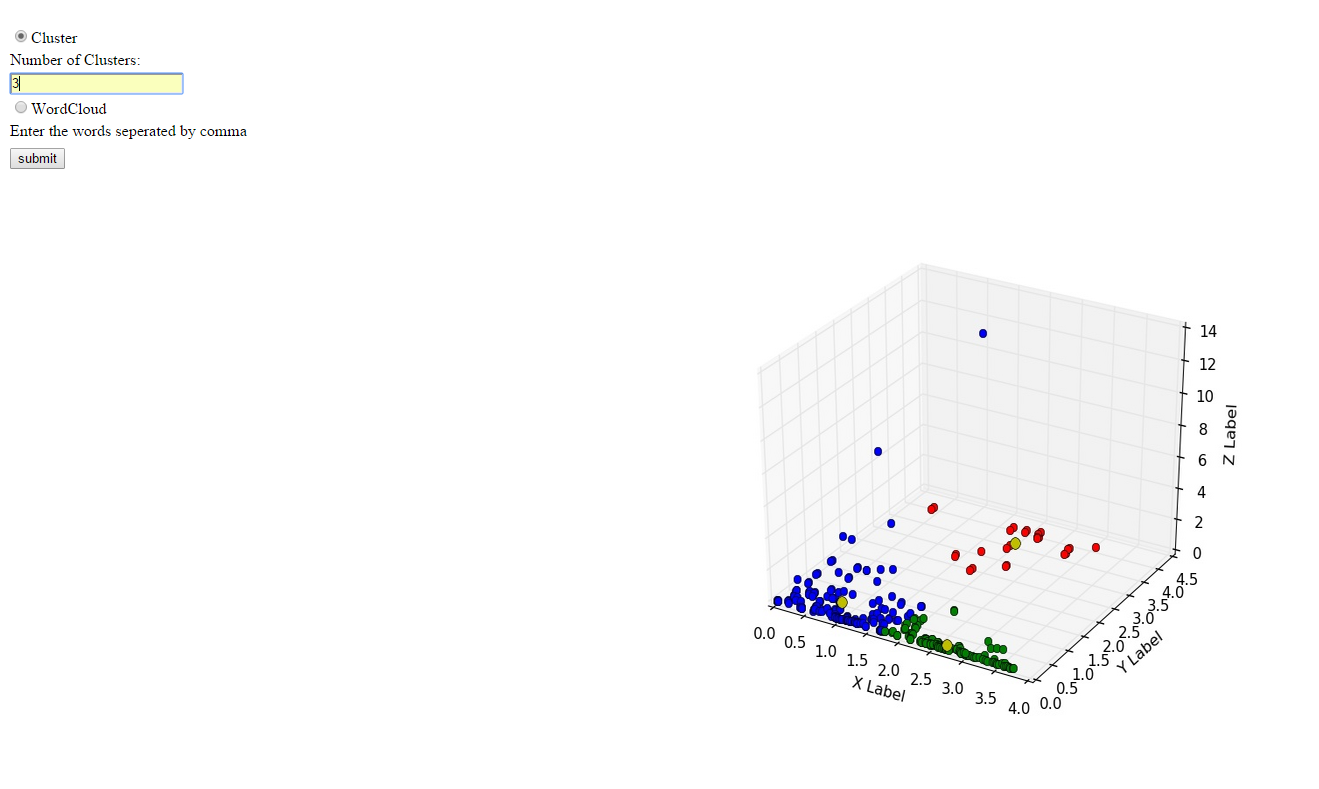
The first screen:



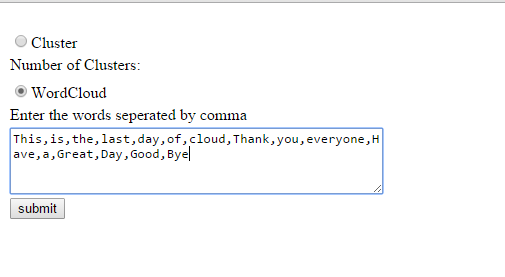
On selecting Cluster a box pops up and the user enters the number of cluster he wants:



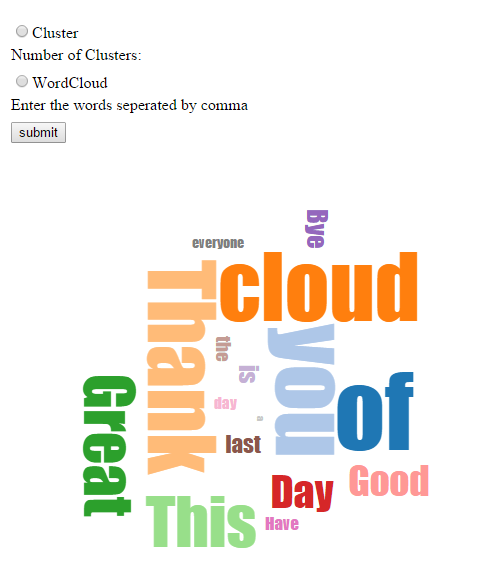
Result:



When the user clicks on the word cloud, a text area appears where he can enter the words he wants to be in the cloud, on clicking submit he gets the result. We achieved this wordcloud using d3.js



Result:



**References:  
  
[1]** <http://glowingpython.blogspot.com>

**[2]** <https://www.jasondavies.com>