**Steps:** 

**Spelling Correction:** 

1. I use tika library to implement a html parser file named ExtracContent.java. This file

generates my big.txt file which contains all the terms in the inverted index of the Search

Engine.

2.I downloaded the Peter Norvig's Spelling corrector code and use a test.php file to test

the correct function and thus generating my serialized\_dictionary.txt, which is the

dictionary of words in my news file.

3.In my query.php file I call out the correct function and retrieve the correct word,

completing the "Did you mean" correction part.

Autocomplete:

1. I first made the changes required in the solrconfig.xml as mentioned in the tutorials

given under AutocompleteInSolr\_V2.pdf

2. I use Jquery Autocomplete API to implement all this part, including ajax request,

and other functions for the UI part.

3. My code will only take the last word as all the previous words are already corrected.

Snippet:

1. I have used simple\_html\_dom parser to generate the plaintext out of the html pages

given to us.

2. Then I use a regex to globally match the query. And get the first result of matches.

3. I use regex to find the key words in query and highlight them in red color by

preg\_replace function.

**Analysis of the results:** 

Search:	stephn havking
○ Lucene Algorithm ○ pageRank Algorithm	
submit	

Did you mean: stephen having

Results 0 - 0 of 0:



