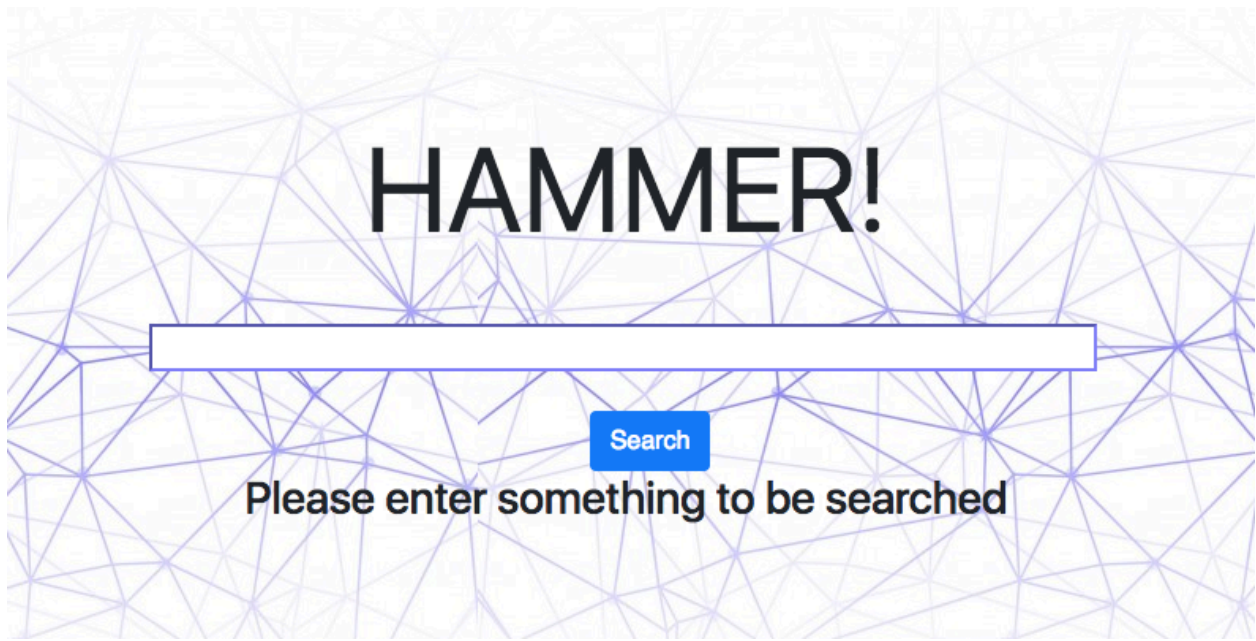# TESTING DOCUMENT

1) GIVING THE INPUT AS WHITESPACES:
  - After giving the input to the application as white spaces the application shows a message to the user that "PLEASE ENTER SOMETHING TO BE SEARCHED"

ERROR HANDLED – VERIFIED OK

2) GIVING THE INPUT AS RANDOM STRING CONTAINING SPECIAL CHARACTER OR NOT.
  - After giving the input as a random string containing special characters or not to the application, the application shows a message to the user that "Sorry, no news found. Try another Keyword"
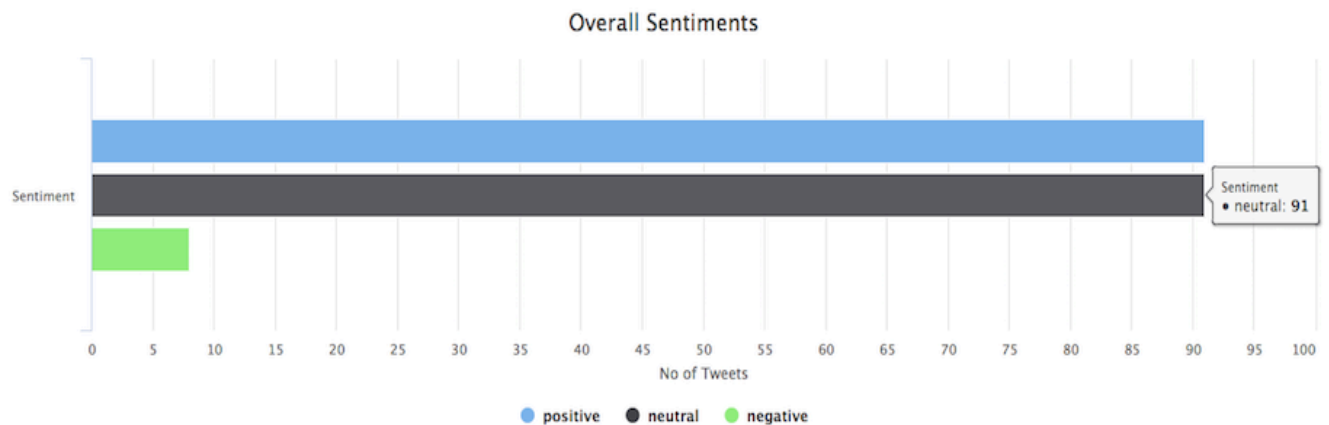
ERROR HANDLED – VERIFIED OK
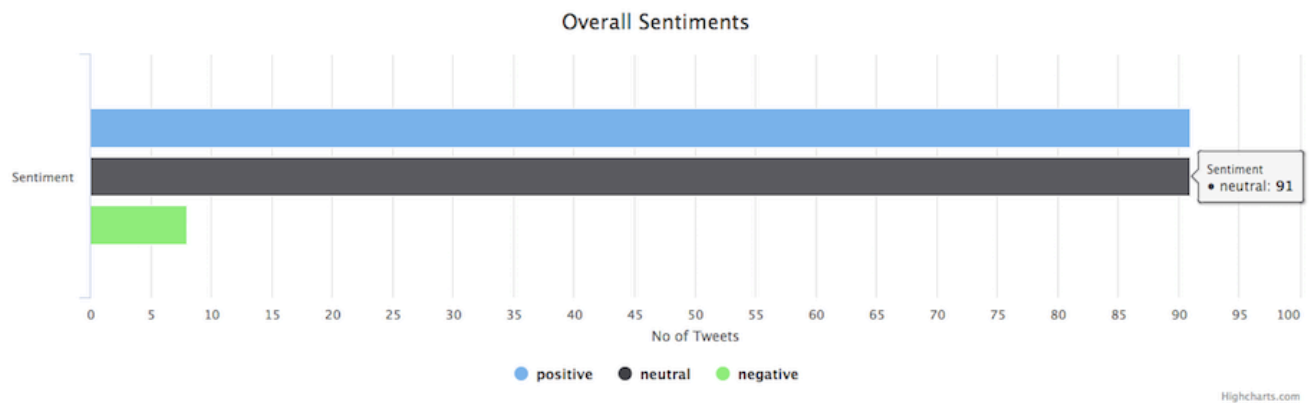
3) OVERALL SENTIMENT GRAPH DISPLAYED
- The overall sentiment bar graph is displayed according to the total
  number of categorized tweets as positive, negative, neutral.
- Upon Hovering a category on a bar-chart the selected category gets
  highlighted.

VERIFIED OK

4) POPULATING WORDCLOUD ACCORDING TO THE HIGHLY OCCURING WORDS IN THE TWEETS.
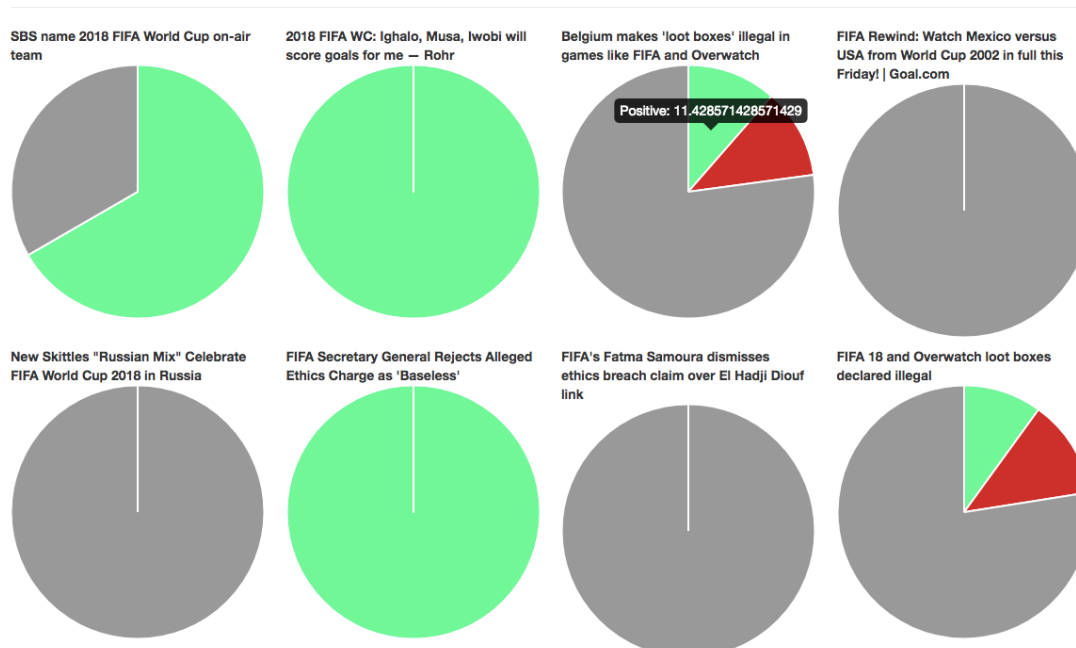
- Highly frequent words in the tweets have been displayed with the help of wordcloud which makes user aware about which are the highly occurring words in the tweets.

VERIFIED OK

5) PIE CHARTS WITH PERCENTAGE OF TWEETS ON NEWS ARTICLES

- Individual pie charts based on the percentage of positive, negative and neutral tweets have been displayed for different news articles.

VERIFIED OK

6) TABLES OF SUMMARIES OF TWEETS CLASSIFIED BY VADER AND OUR MODEL DISPLAYED.

  - 2 Tables containing the total negative, total positive and total neutral by percentage of sentiments on news articles classified by vader and our model have been displayed

Summary using our Model

name	total_negative	total_positive	total_neutral
SBS name 2018 FIFA World Cup on-air team	0.000000	66.666667	33.333333
2018 FIFA WC: Ighalo, Musa, Iwobi will score goals for me — Rohr	0.000000	100.000000	0.000000
Belgium makes 'loot boxes' illegal in games like FIFA and Overwatch	11.428571	11.428571	77.142857
FIFA Rewind: Watch Mexico versus USA from World Cup 2002 in full this Friday! | Goal.com	0.000000	0.000000	100.000000
New Skittles "Russian Mix" Celebrate FIFA World Cup 2018 in Russia	0.000000	0.000000	100.000000
FIFA Secretary General Rejects Alleged Ethics Charge as 'Baseless'	0.000000	100.000000	0.000000
FIFA's Fatma Samoura dismisses ethics breach claim over El Hadji Diouf link	0.000000	0.000000	100.000000
FIFA 18 and Overwatch loot boxes declared illegal	12.500000	10.000000	77.500000
England Soccer Fans Reassured: National Flags Safe to Use at FIFA Cup Games	0.000000	50.000000	50.000000
Germany's Jerome Boateng, Manuel Neuer face race to be fit for FIFA World Cup 2018	0.000000	0.000000	100.000000

Summary using vader

name	total_negative	total_positive	total_neutral
SBS name 2018 FIFA World Cup on-air team	33.333333	33.333333	33.333333
2018 FIFA WC: Ighalo, Musa, Iwobi will score goals for me — Rohr	0.000000	0.000000	100.000000
Belgium makes 'loot boxes' illegal in games like FIFA and Overwatch	62.857143	17.142857	20.000000
FIFA Rewind: Watch Mexico versus USA from World Cup 2002 in full this Friday! | Goal.com	0.000000	0.000000	100.000000
New Skittles "Russian Mix" Celebrate FIFA World Cup 2018 in Russia	0.000000	100.000000	0.000000
FIFA Secretary General Rejects Alleged Ethics Charge as 'Baseless'	75.000000	0.000000	25.000000
FIFA's Fatma Samoura dismisses ethics breach claim over El Hadji Diouf link	33.333333	0.000000	66.666667
FIFA 18 and Overwatch loot boxes declared illegal	62.500000	17.500000	20.000000
England Soccer Fans Reassured: National Flags Safe to Use at FIFA Cup Games	0.000000	100.000000	0.000000
Germany's Jerome Boateng, Manuel Neuer face race to be fit for FIFA World Cup 2018	0.000000	0.000000	100.000000

VERIFIED OK

7) Button to get the locations of the tweets on a map has been placed and working perfect.