Sentiment Analysis on Social Media Data

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Outline of Topics

Outline

Introduction

- The proposed system contains the Sentiment analysis on Social Media Data.
- Comments are taken from the user and sentiment analysis done.
- For the comments polarity is given i.e. positive, negative and neutral.
- By using sentiment analysis of review we come to know whether the user is satisfied or not.

Outline

User Aspect

- Give Comments.
- View Comments Polarity.

Outline

Peter D. Turney, [2002]

Thumbs Up or Thumbs Down? Semantic Orientation Applied to Unsupervised Classification of Reviews

- predicts review by the average semantic orientation of a phrase that contains adjective and adverb thus calculating whether the phrase is positive or negative with the use of unsupervised learning algorithm which classifies it as thumbs up or thumbs down review

Y.Luo et. al., [2011]

Product Review Information Extraction Based on Adjective Opinion Words

- uses a comparison between positive and negative sentences. It extracts information from the Web and manually label the word set which requires a lot of unnecessary effort.

B.Agarwal et.al., [2013]

Sentiment Classification of Review Documents using Phrase Patterns

- applied phrase pattern method for sentiment classification. It uses part of speech based rules and dependency relation for extracting contextual and syntactic information from the document.

H.Prendinger et.al.,[2011]

SentiFul: A Lexicon for Sentiment Analysis

- Shows that the image representations from the CNN trained on a large-scale dataset could be efficiently transferred for sentiment analysis

Outline

Architecture

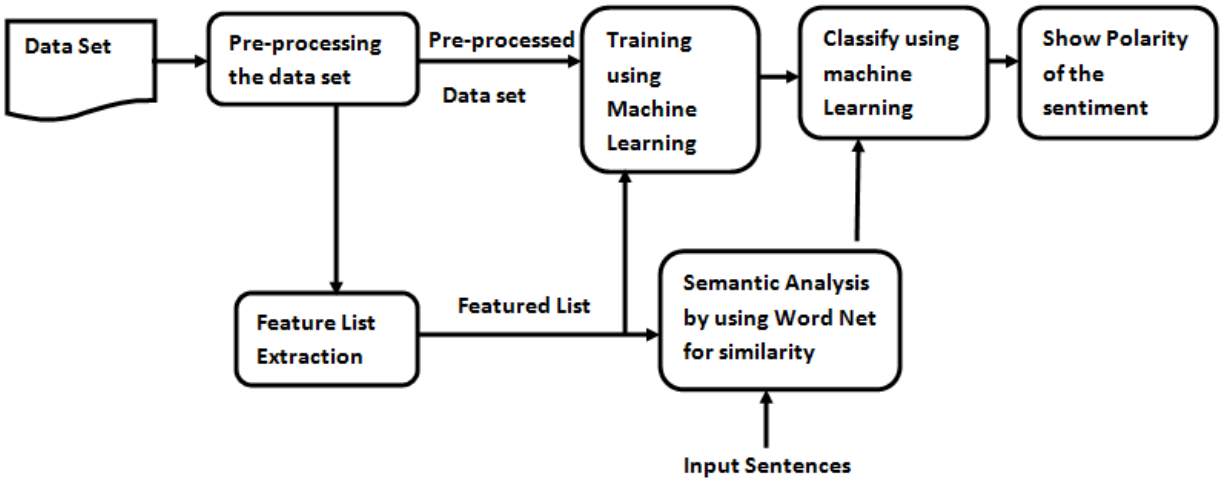

Figure: Architecture Of Proposed System

System Flow Aspect

- Pre-processing data
- Feature Extraction
- Training and classification

Outline

Use Case Diagram

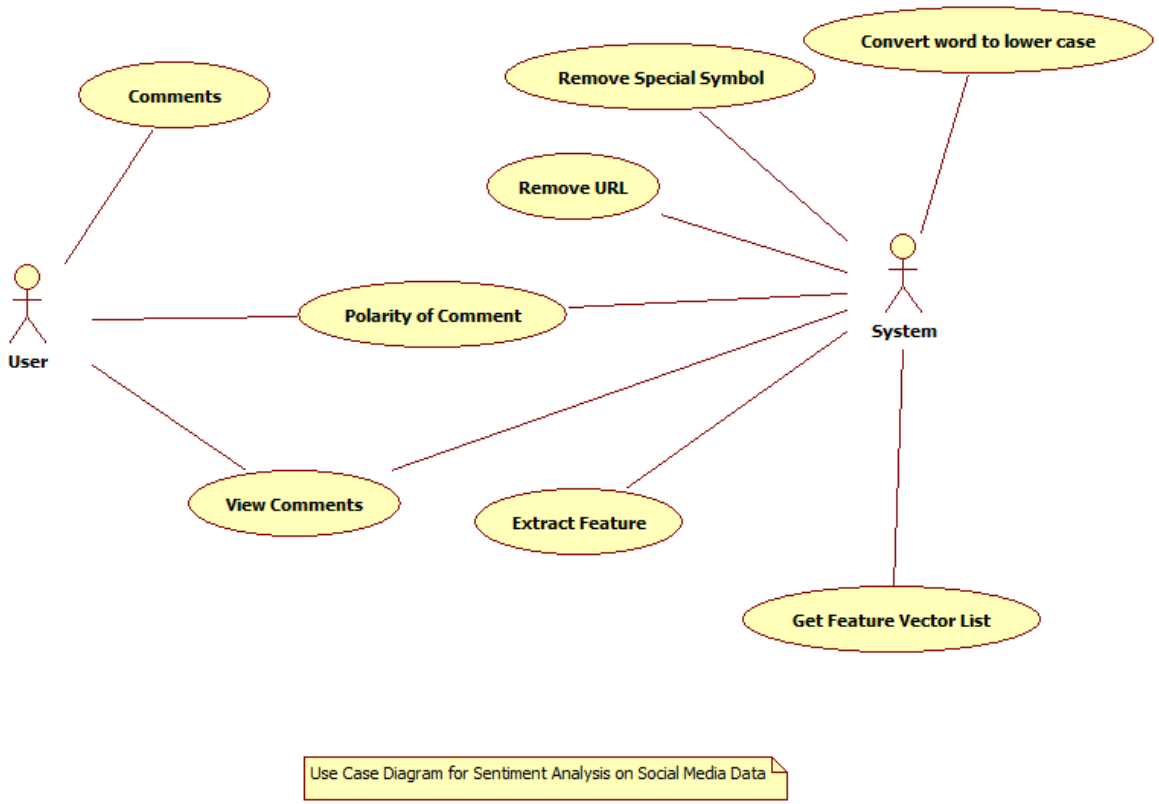

Figure: Use Case Diagram

Sequence Diagram

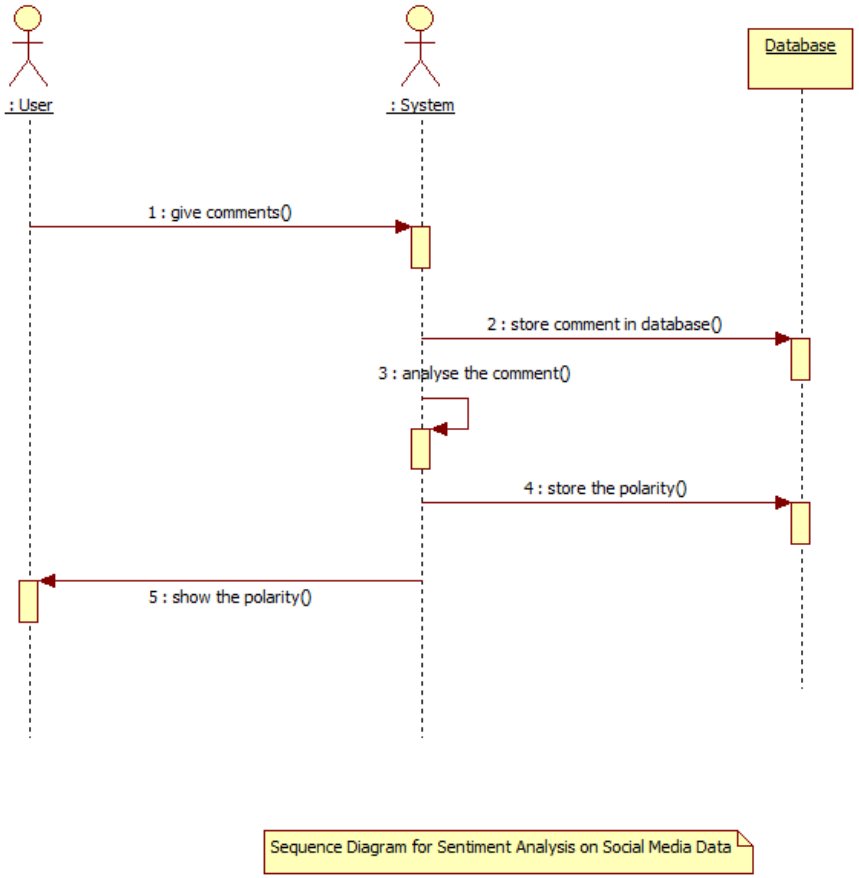

Figure: Sequence Diagram

State Diagram

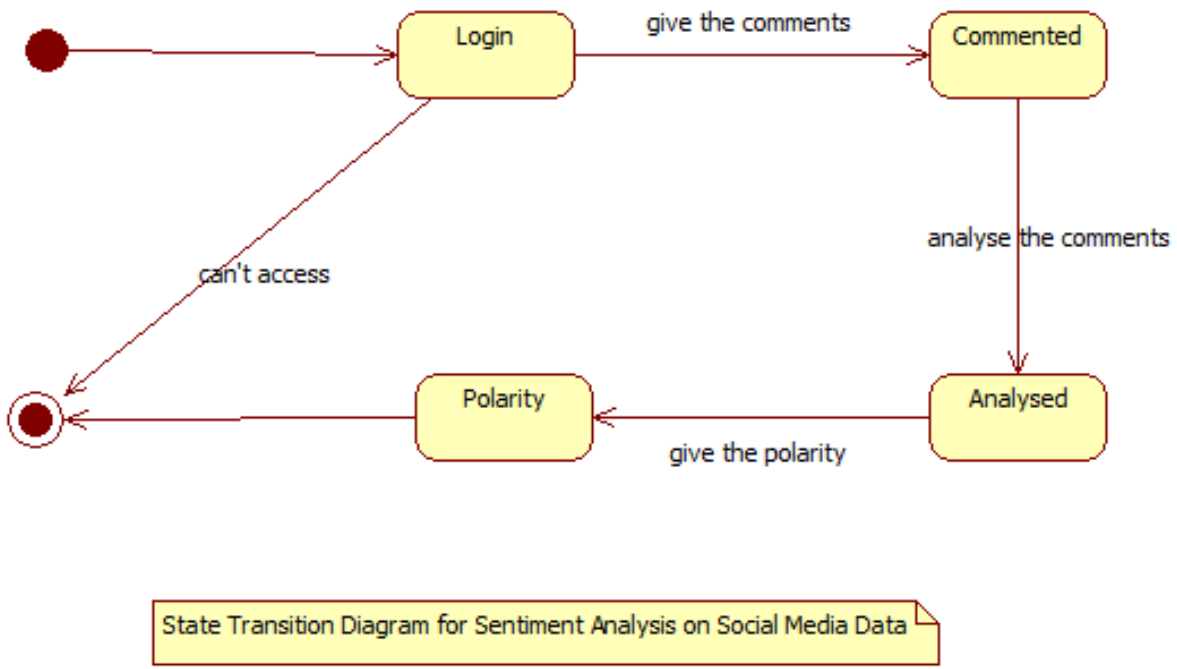

Figure: State Diagram

Activity Diagram

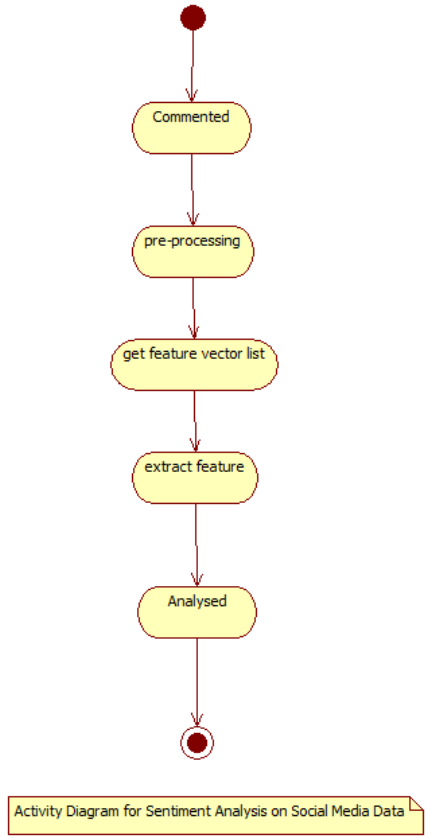

Figure: Activity Diagram

Class Diagram

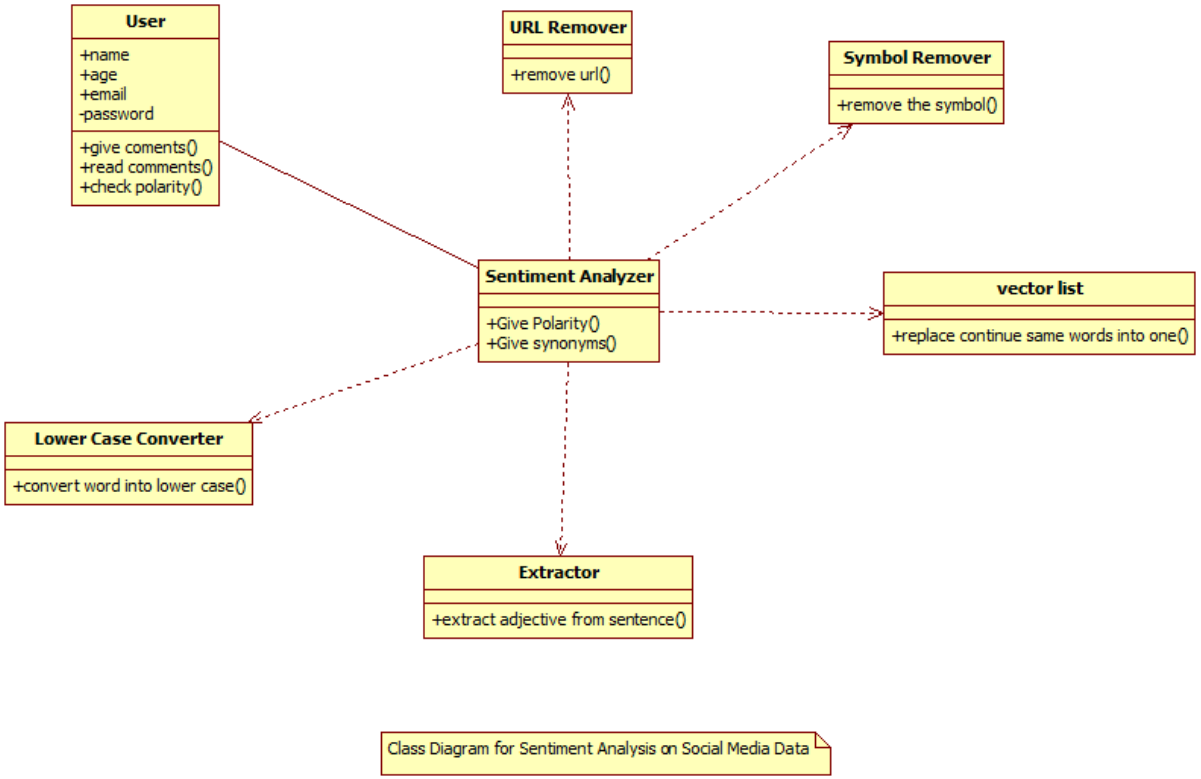

Figure: Class Diagram

Component Diagram

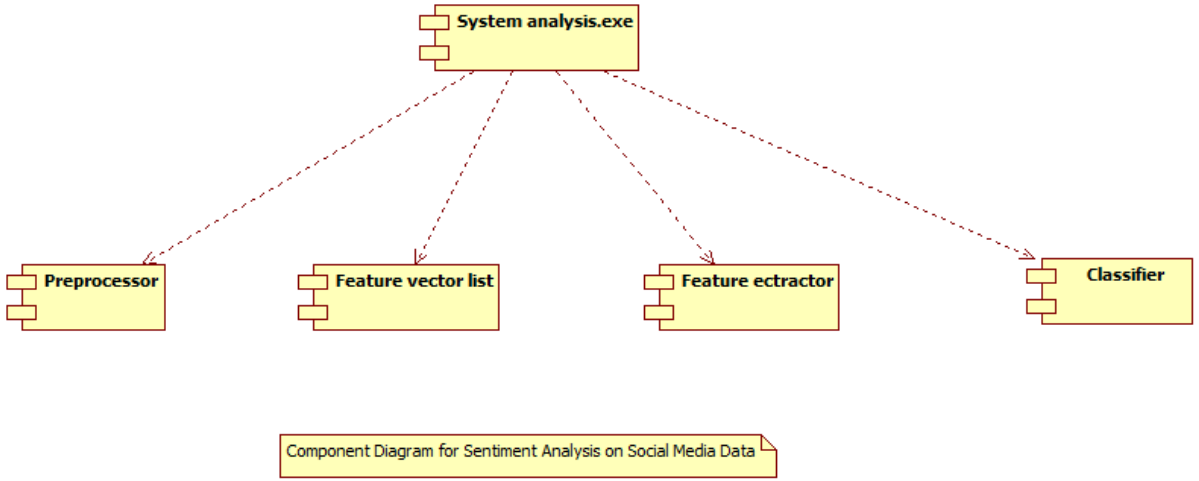

Figure: Component Diagram

Outline

Software Requirements

Technology Used:-

- Front end:-
  - R language for representation.
- Backend:-
  - Java
- Tools Used:-
  - R Studio

Outline

Application

- Product and Service reviews
- Reputation Monitoring
- Result prediction
- Decision making

Outline

Conclusion

- Upto the work which is done by which it is concluded that implementation of the proposed system can be done.

Bibliography

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4 B.Agarwal,V.K.Sharma,andN.Mittal,Sentiment Classification of Review Documents using Phrase Patterns, International Conference on Advances in Computing, Communications and Informatics (ICACCI), pp. 1577-1580, 2013.

Thank You...