Smart Tweetchat using Node.Js and Express.Js

Swarali Purao[1], Ritika Sonaavane[2], Manoj Godage[3], Abhijit Kesgire[4]
Students, Department of Computer Engineering[1,2,3,4]
Sinhgad Institute of Technology, Lonavala, Maharashtra, India

Abstract: *Social media have received more attention nowadays. Public and private opinion about a wide variety of subjects are expressed and spread continually via numerous social media. Twitter is one of the social media that is gaining popularity. Twitter offers organizations a fast and effective way to analyze customers' perspectives toward the critical to success in the market place. Developing a program for sentiment analysis is an approach to be used computationally measure customers' perceptions. Social media is a technology that can be developed in a fast and flexible manner, where internet connections are transformed into interactive platforms. Social networking programs are increasingly spreading around the world.Social media platforms have become integral part of daily life. 22% of teenagers are enrolled in social networking programs about 10 times a day. The remaining category, which makes up more than half of teenagers register more than once a day through the use of mobile phone, where the proportion of teenagers who have their own cell phones reach 75%.*

Keywords: Tweeting, Posting, Retweeting, Chatting, Communication, Interaction
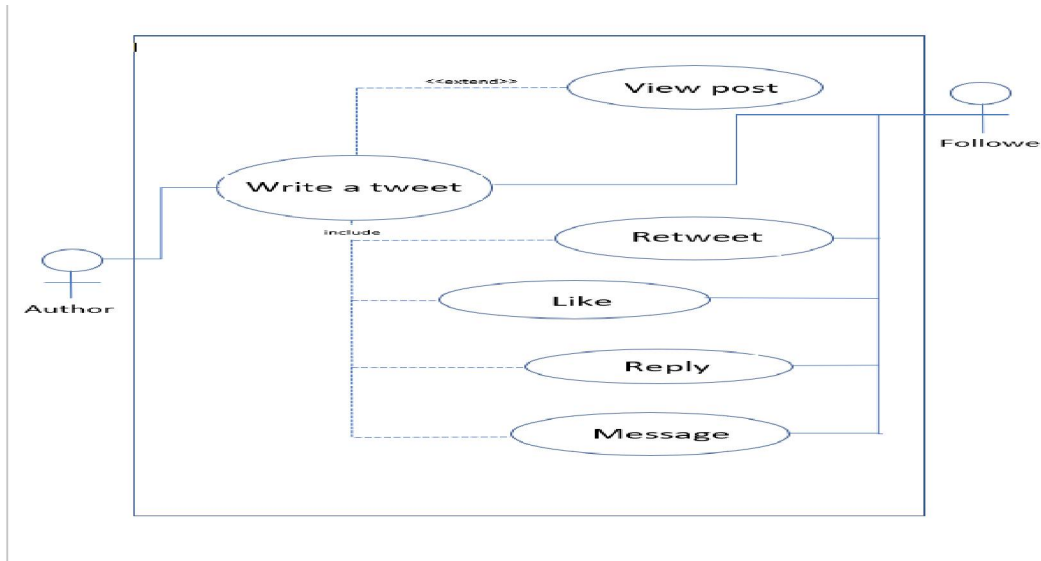
I. INTRODUCTION

According to , millions of people are using social network sites to express their emotions, opinion and disclose about their daily lives. However, people write anything such as social activities or any comment on products. Through the online communities provide an interactive forum where consumers inform and influence others. Moreover, social media provides an opportunity for business that giving a platform to connect with their customers such as social media to advertise or speak directly to customers for connecting with customer's perspective of products and services.With the rapid growth of the World Wide Web, people are using social media such as Twitter which generates big volumes of opinion texts in the form of tweets which is available for the sentiment analysis . This translates to a huge volume of information from a human viewpoint which make it difficult to extract a sentences, read them, analyze tweet by tweet, summarize them and organize them into an understandable format in a timely manner
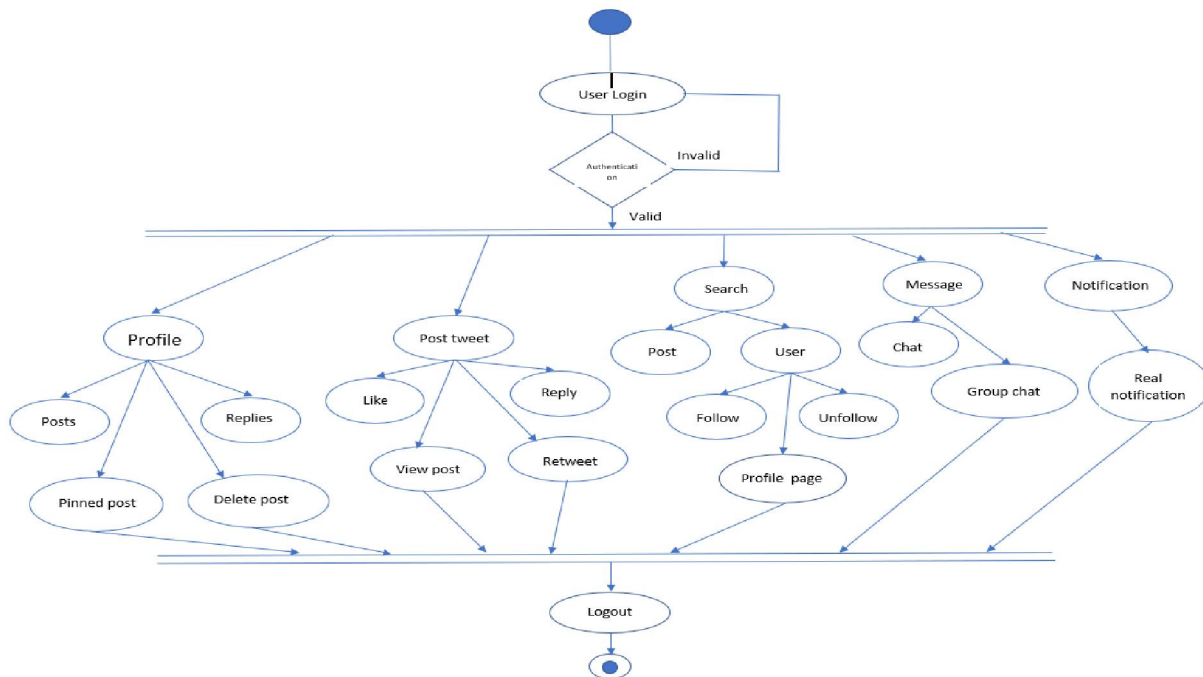
II. LITERATURE SURVEY

Duaa Ali Al-Sabti, Ajay Vikram Singh, S,K,Jha in their paper[1] titled "Impact of social media on society in a large and specific to teenagers" Through this paper we review influence of social media on society, marketing communications and teenagers. social media is everywhere in our everyday life, turning the borders between our work and spare time more diffuse. Twitter is affected by the use of age and income. Also some additional steps are taken to remove the content from twitter to prevent the hacking through the google search engine to ensure privacy.

Aliza Sarlan, ChayanitNadam, ShuibBasri in their paper[2] titled "Twitter Sentiment Analysis" they focus on how twitter is used for sentiment analysis. Tweeter are short tweets containing limited word post through which one knows what one has to express. They are use for extracting public opinion on some public issue. Twitter sentiment analysis can be done by two approaches like Lexicon based approach and machine learning approach. Twitter sentiment is developed to analyze customers perspective toward the critical to success in the marketplace.

Sowmya P and Madhumita Chatterjee in their paper [3] titled "Detection of Fake and Clone accounts in Twitter using Classification and Distance Measure Algorithms" focus on the method to detect fake and clone Twitter profiles. It has become a very serious problem in online social networks. A comparison of the classification techniques based on results are made and the one which provides most accurate result is selected. Clone detection is carried out using Similarity Measures and C4.5 algorithm. Similarity measures method worked better than C4.5 and was able to detect most of the clones which were fed into the system.

T, Nithyashree and M.B, Nirmala in their paper[4] titled "Analysis of Data from The Twitter account using machine learning" tells on how data is directly collected from the twitter API with the help of API keys. The model which is proposed now uses multiple algorithms to enhance the accuracy of the classification of the tweets. The proposed design involves both supervised and unsupervised algorithms, which was not existed previously. After data is fed into the supervised model for testing and classification the entity has the greatest accuracy. The main idea of this paper is to present a dominating part of the hotels present in our database.

III. COMPARISON BETWEEN LITERATURE PAPERS

Features	[1]	[2]	[3]	[4]
Purpose	Influence of social media on society, marketing communications and teenagers.	Twitter sentiment analysis is developed to analyse customer perspectives towards the critical to success in market place.	Fake and clone profiles have become a very become a very serious problem in online social networks	The model which is proposed now uses multiple algorithms to enhance the accuracy of the classification of the tweets.
Algorithm	Communication skills and socialnetworking/socialization, cybercrime	Natural Language Processing (NLP), Case-Based Reasoning (CBR), Artificial Neural Network (ANN)	Fake profile detection, Clone profile detectionusing similarity measures	Sub structure, Supervised and unsupervised algorithm
Focuson	Social media impact	Twitter Sentiment Analysis	Fake profile detection	Analysing the data

IV. PROPOSED SYSTEM

Twitter clone is a project where we provide a digital social media platform targeted for the users who wants to connect socially with each other. Twitter clone is a kind of project which includes various features like tweet, retweet , liking post , viewing post , direct one to one and group chatting , follow and followers feature and many more features by which users can interact with each other in real time. TweetChat is a service for friends, family, and co-workers to communicate and stay connected through the exchange of quick, frequent messages. People post Tweets, which contain text messages, tweets, links. These messages are posted to your profile, sent to your followers, and are searchable on TweetChat search.

V. CONCLUSION

- TweetChat is a platform which digitally connects people around the globe
- Which will give users a common ground to interact through posts and messages
- Twitter presents a unique environment for data mining and natural language processing due to the limited message length, as well as the users and their intentions.
- Users will be able to post content in the form of images and videos as well.
- Separate mobile application is coming soon.
- Implementation of dynamic news feed.
- Can be mode more flexible and more features will be added such as location pinning , reels section etc

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