

TRACK YOUR MOOD (TYM)

Team Name: Tech Crew

Problem Statement:

Help me with my mood-with social media health analysis.

With the advances in technology about sentiment analysis and predictive analytics, it has opened many avenues for researchers and enterprises to understand human mental state better. The proposed challenge is to know the emotion/mood of a person, to help in eliminating any negative state of mind that might have adverse effect on his/her daily life.

Research has shown that social networking activity is a good source to gauge a person's state of mind. Mood of a user is often reflected in his/her social content, like tweets, blogs, article, status updates, etc. Timely analysis of a user's social media can be used to improve the feelings, and even save a person's life in an extreme case! Hence it becomes important to regularly analyze the social-media health of our friends and family to take timely action.

Role of each team member

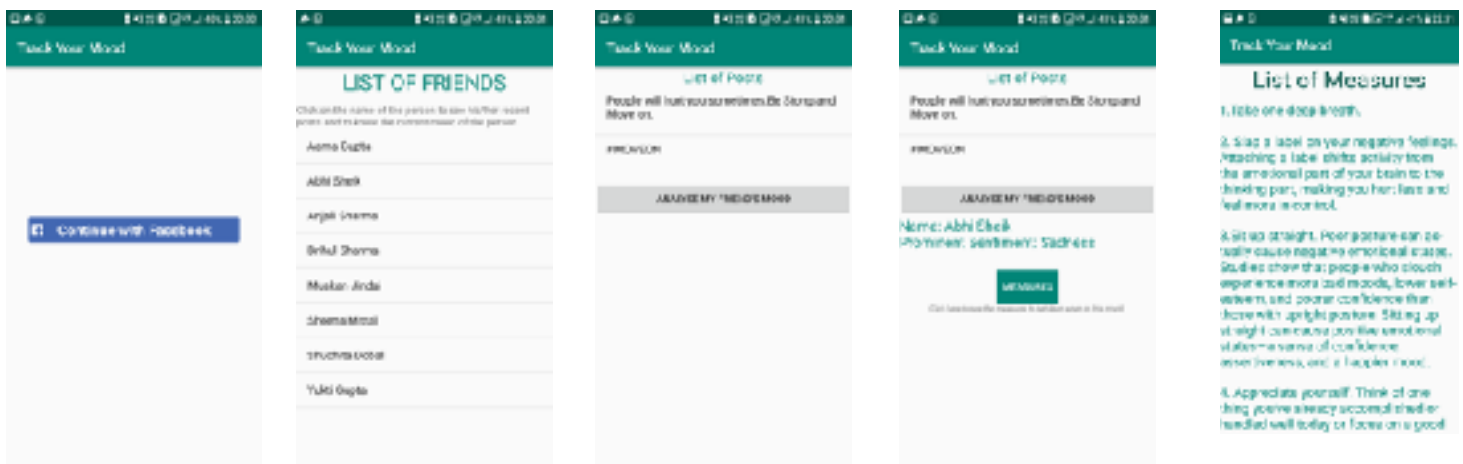
- Shriya Chhabra : Implemented Facebook Authentication and IBM Tone Analyser API
- Muskan Jindal: Contributed to Front-End of the app and did in-depth search of the measures to be taken in case of a certain mood.
- Shuchita Dobhal: Contributed to the front-end of the App

Scope of Work and technology used

We've developed a mobile application using Android Studio for analyzing the mood of the user and his/her friends. The user will log in using his/her Facebook id. A list of his friends will appear. On selecting one person from the list, his recent posts will appear. If no recent post (24 hours) has been made by the person, then his top three posts will be shown. Then, clicking on analysis button will analyse the posts to determine his mood and the suitable measures related to that mood will appear.

IBM Tone Analyser API is integrated in this application. It will analyse the tone and tell about the most prominent sentiment of the person and a list of measures will be listed to help the person change his mood. IBM Watson and IBM Cloud are used to know about a person's mood or tone. IBM Tone Analyser gives output of the mood as- joy, sad, tentative. We've incorporated the necessary measures.

Screen Dumps(of App)



Future Aspects

Track Your Mood App(TYM) is currently working successfully on dummy dataset. App is capable of working on actual dataset by extracting the posts of the user's friends and then analysing his/her mood. To work on the actual data, certain permissions have to be granted by Facebook which they don't give that easily. In the future , work can be done on the real Facebook data .App can also be extended to extract tweets from Twitter handle of user for analysis purpose.