

RADAR

Smart Stock Market assistance

Varad Gandhi , 22/01/2023

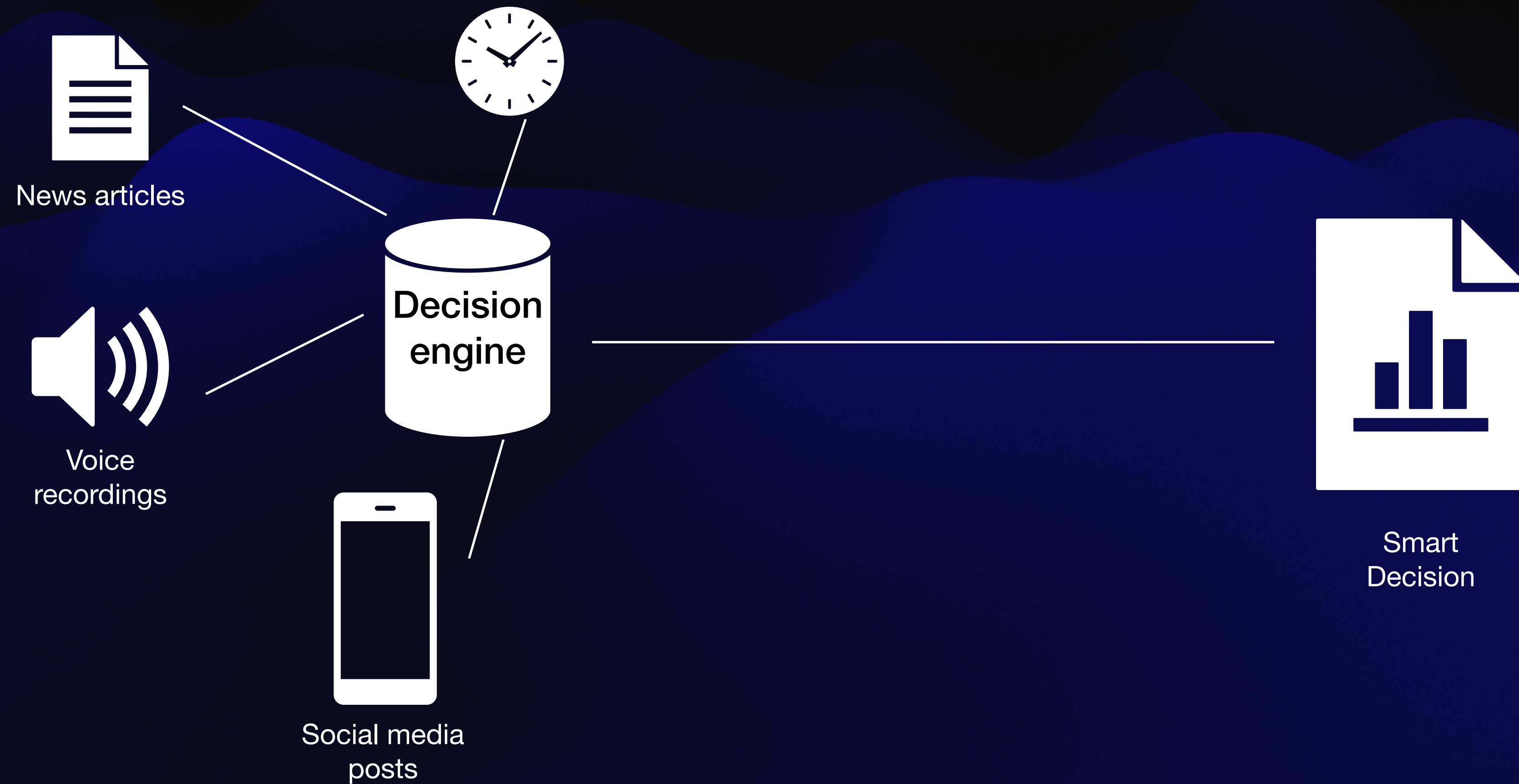
Problem Breakdown

The overall problem of lack of informed decisions in stock trading can be broken down into two parts which is-

- Creating an assistive Technology which takes up the news, social media posts and the stock trader's interviews in order to make a proper informed decision on the buy/selling of stocks
- Integrating it with the application in order to arrange the stocks accordingly in order to get the best stocks with the best returns in the future.

The Model

The overall functionality can be shown through the following diagram-

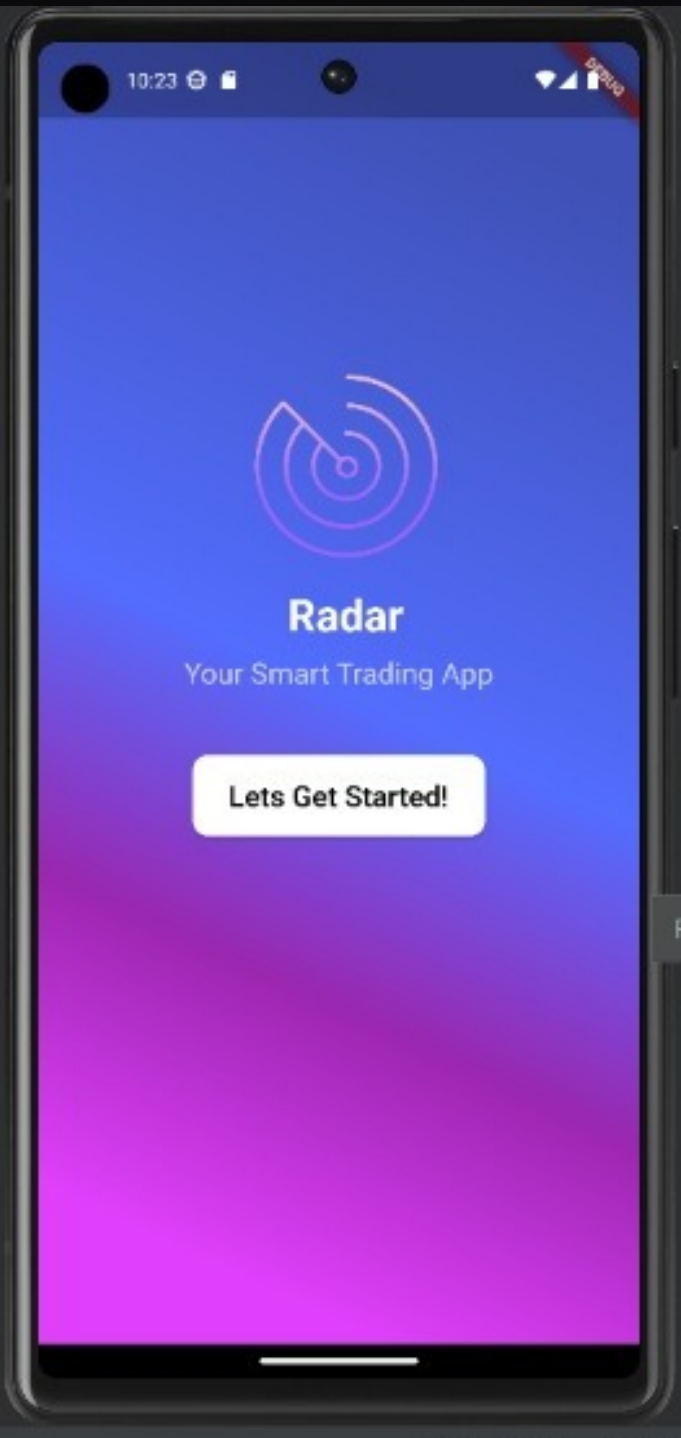


Technologies used

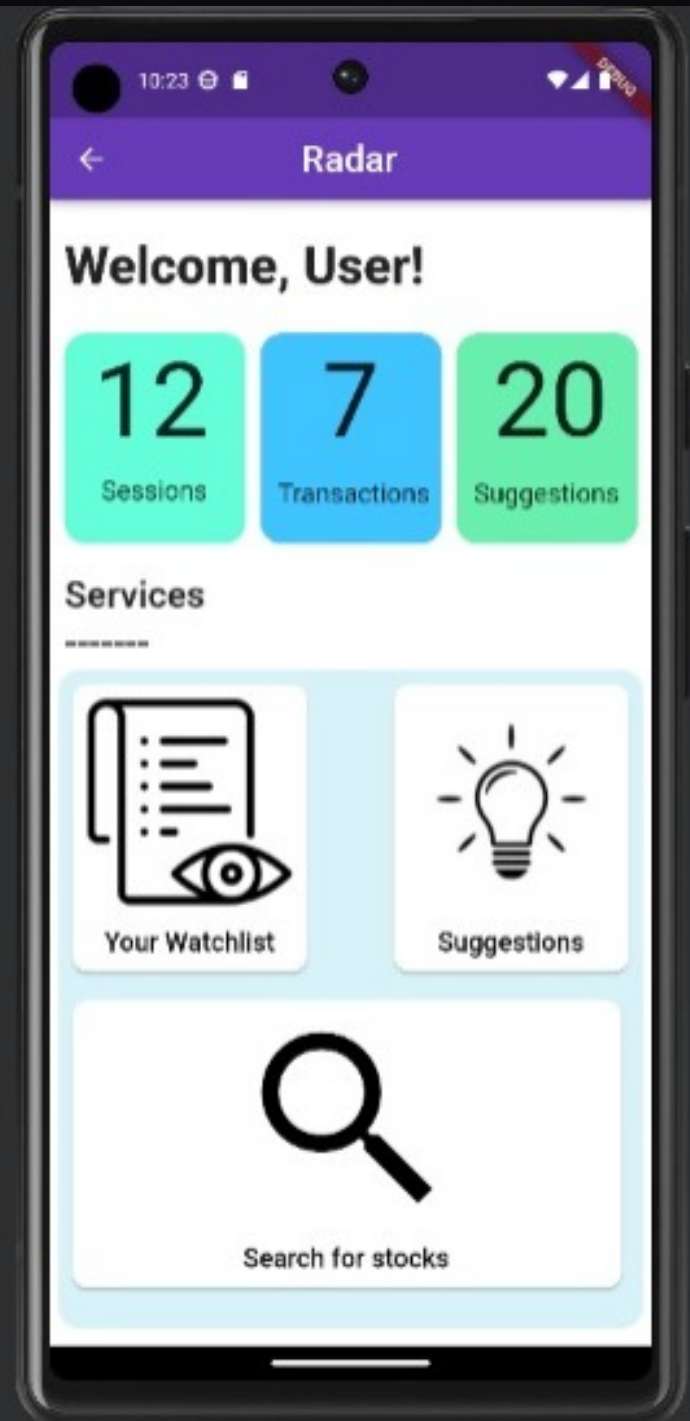
The basic technologies used for demonstrating how the look and feel of the app would be are-

- Flutter- For demonstrating how the application would look like which would demonstrate the ease of use of the application
- NLP - Used to demonstrate sentiment analysis in order to make informed decision on the stock to trade for.

Flutter



Welcome Screen



Home Screen



Stock suggestions

NLP

NLP is used to identify and tag the words which are important to identify the sentiment.



Conclusion

A thorough analysis was done on how to build an application which can be helpful to the assist the users in order to make informed decisions.