Important deadlines:

22nd Oct - API Document

19th Nov - presentation

Functionalities

User modules

1. Create an account(Sign up)
2. Login in
3. Forget password
4. Delete the account
5. Deactivate the account
6. Update profile with image
7. Displaying the followers and following
8. Display list of followers
9. Display list of following
10. Display list of likes
11. Display list of tweets and replies
12. Display list of retweets
13. Follow a user using follow option
14. Unfollow a user
15. Logout

home(Dashboard)

1. Vertical left navbar
2. Write a tweet
3. Tweets of the people the user following
4. Pagination for 10 tweets
5. Reply the tweet
6. Like a tweet
7. Write a tweet
8. Delete a tweet - owner
9. Bookmark tweets
10. Retweet a tweet

Explore section(search) (to the right)

1. Search using hashtag
2. Search using username

Notification

1. Follower notification
2. Someone joined your list
3. Likes
4. reply
5. retweets

Messages (Inbox)

1. Send a message
2. Receive a message
3. Notify receiver
4. Count of unread messages

Bookmarks page

1. View list of bookmarked tweets
2. Pagination

Lists(owned, subscribed, member tabs) (horizontal tabs)

1. Create a list
2. Add members to the list- owner
3. Other members can Subscribe to that list
4. Members can see list in members section if they are not subscribed
5. Owner can delete the list
6. Owner can update the members, description and the name of the list
7. Unsubscribe from the list

Analytics

1. Based on the views of the tweet
2. Top 10 most retweeted
3. Top 10 most liked
4. tweet graphs(hourly, days, monthly)
5. Viewers count (30 day limit)

Modules installed

User dashboard

Tweet features

User analysis

Graph criteria

* Number of tweets
* Top 10 tweets
* Views

*GRPC microservices (optional)*

DB: MongoDB and MySQL

Kafka distributed Architecture

* Message with unique ID for every message

Testing

* Mocha -10

Performance chart

* Chart1 (No optimization, Connection Pooling, Kafka, SQL caching, other techniques)
* Chart2
* Database schema

SQL Caching using Radis.

CONTINUOUS INTEGRATION

Validations and Error Checking

No duplicate accounts

Validation esp Address(zipcode and state Abbreviations)

Database tables:

1. Tweet table
2. User table
3. Followers table
4. Group table

21st Oct:

Doubts regarding chatbot

22nd Oct:

Keerthi: User Module

Kavya: Search, Message,

Alaukika:List and bookmark

Samruddhi: Analytics

Anjali: Dashboard

Modules installed(please do --save)