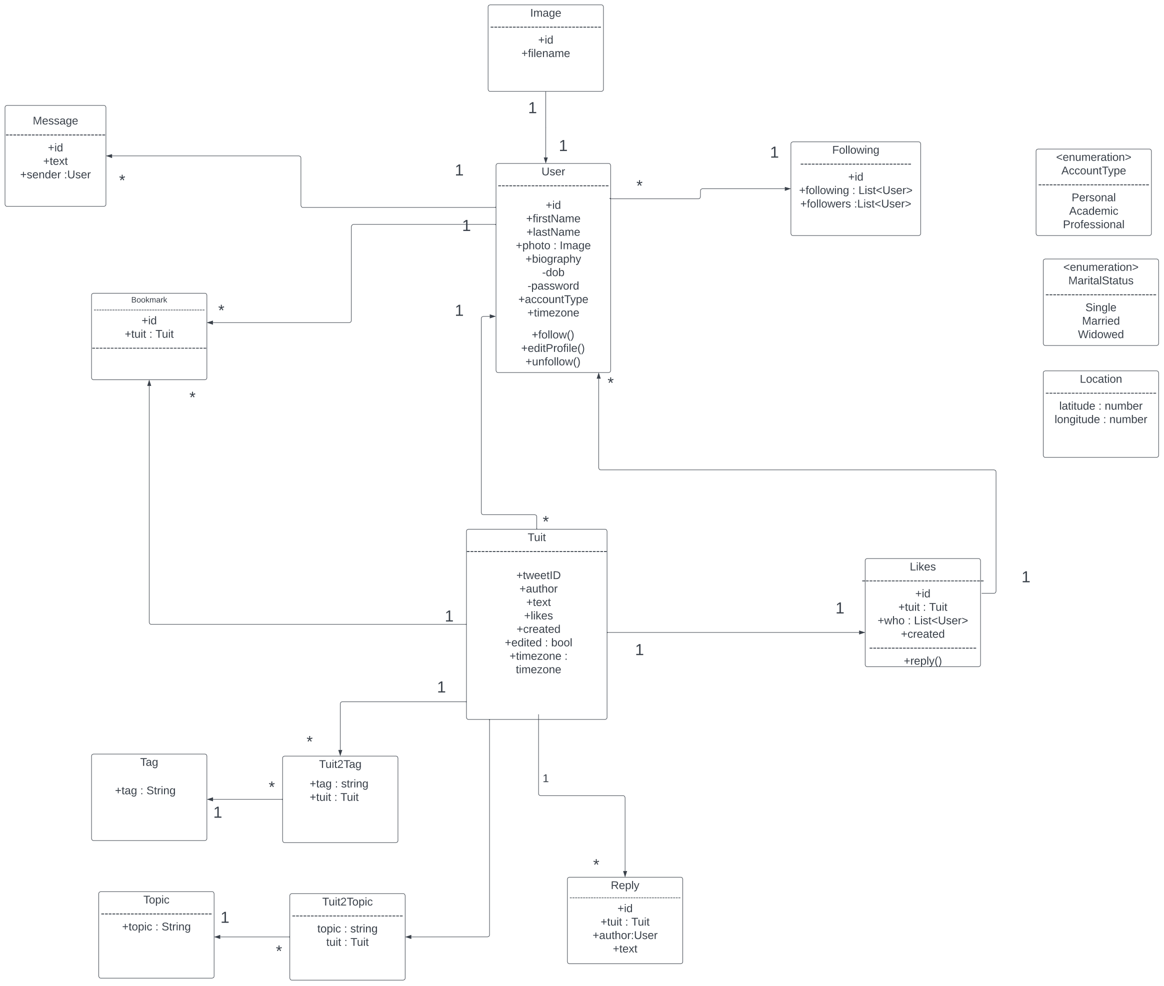
Part 1 : Development Environment Setup (30pts)

1. URL of React project GitHub repository
   - https://github.com/nikithajain888/software-engineering-react
2. URL of React project deployed on Netlify
   - https://fantastic-pony-adaa28.netlify.app/
3. URL of Node project GitHub repository
   - https://github.com/nikithajain888/software-engineering-node
4. URL of Node project deployed on Heroku
   - https://nikithajain888-software-engine.herokuapp.com/

Part 2: Design Phase (30pts)

Documenting Requirements (10pts)



Documenting Use Cases (10pts)

1. User posts a Tuit
    - Use case name : Posting a tuit
    - To post a tuit to a user's followers
    - Actors : Users, followers, system
    - Preconditions :
        - User should exist
        - User must be authenticated
        - The tuit cannot be empty .i.e., it has to have a minimum length of characters.

    - Actor actions :
        - User posts tuit id #
        - User posts tuit id # that does not exist
    - System actions:
        - Success : The tuit details displayed on the user's feed and followers' feed
        - Failure : Error message : Tuit id not found.
    - Postconditions :
        - Server must generate the post to the followers of the user
        - Server must store a copy of the tuit for future reference.

2. User likes a Tuit
    - Use case name : Liking a tuit
    - To like a tuit posted by another user
    - Actors : Users, following user, System
    - Preconditions :
        - Post should exist
        - Following user should exist
        - Following user should be authenticated
    - Actor actions :
        - User can like Tuits that exists by clicking on their heart icon
    - System actions:
        - Success : user's name should be displayed in the likes users list
        - Success : the tuit displays unique number of people that liked the tuit
        - Failure : user cannot be found in the list
        - Failure : the unique number count did not increase
    - Postconditions :
        - Server must add the user to the post's list of users that liked the post
        - Server must keep a count of the unique users' likes

3. User replies to a Tuit
    - Use case name : Replying to a tuit
    - To reply to a tuit posted by a user
    - Actors : Users, following user, System
    - Preconditions :
        - Post should exist
        - Following user should exist
        - Following user should be authenticated
    - Actor actions :
        - User can reply to a tuit that exists

- System actions :
    - Success : the reply itself is a tuit
    - Success : the number of replies increase
    - Failure : Error Message : the reply is not a tuit
    - Failure : Error Message : the number of replies did not increase
- Postconditions :
    - Server must save a copy of all of the replies as they are tuits
    - Server must show the udpates count of replies and reply posts to users

4. User bookmarks a Tuit
    - User case name : bookmarks a tuit
    - Description : to bookmark a tuit posted by a user
    - Actors : Users, following user, System
    - Preconditions :
        - Post should exist
        - user should exist
        - user should be authenticated
    - Actor actions :
        - User can bookmarks a tuit that exists
    - System actions :
        - Success : the tuit can be viewed in the user's bookmarked screen
        - Failure : Error message : the tuit cannot be bookmarked
        - Failure : Error message : the tuit will not be in the user's bookmarked screen
    - Postconditions :
        - Server must save a copy of all of the bookmarks for the user
        - Server must update bookmarks screen for the user

5. User follows another user
    - User case name : follow a user
    - Description : to follow a user
    - Actors : Users, following user, System
    - Precondition :
        - Both users must exist
        - Both users must be authenticated
    - Actor actions :
        - User follows a user id # that exists
    - System actions :
        - Success : User's following list will have another user
        - Success : Another user's follower's list will have user in it
        - Failure : Error message : User does not exist
    - Postconditions :
        - Server must save a copy of all of the followers for the user
        - Server must update followers and following screen for the user
6. User messages another user
    - User case name : message a user
    - Description : to message a user privately
    - Actors : Users, System
    - Precondition :
        - Both users must exist
        - Both users must be authenticated
    - Actor actions :

    - User messages a user id # that exists
- System actions :
    - Success : User’s private message list will list another user
    - Success : Another user’s message list will have user in it
    - Failure : Error message : User does not exist
- Postconditions :
    - Server must save a copy of all of the private messages for both the user
    - Server must update the private messages screen for both the users

Designing the Data Model (10pts)

https://github.com/nikithajain888/software-engineering-node/tree/main/models

Part 3: Design Patterns (40pts)

https://github.com/nikithajain888/software-engineering-node

Data dump (10pts)

https://github.com/nikithajain888/software-engineering-node/blob/main/userExport.json

https://github.com/nikithajain888/software-engineering-node/blob/main/tuitsExport.json