IT-314 : Software Engineering
Software requirements specifications

Group : 12

CHAT APPLICATION

1. Create User

- **User Story:**
  As a user, I want to create a profile so that I can access the chat application.
- **Acceptance Criteria:**
  - A new user can be created with a unique username and password.
  - The user should receive a confirmation email upon successful account creation.
  - Ensure the system assigns default roles and permissions to the user.

2. Authenticate User

- **User Story:**
  As a system, I want to authenticate users during login so that only authorized users can access the application.
- **Acceptance Criteria:**
  - The system requires valid credentials for login.

3. User Profiles

- **User Story:**
  As a user, I want to create and update my profile so that I can showcase my interests, expertise, and background to others in the community.
- **Acceptance Criteria:**
  - Users can upload a profile picture.
  - Users can add a bio, interests, and expertise.
  - Users can view and edit their profile information

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4. Forgot Password

- **User Story:**
  As a user, I want to reset my password if I forget it so that I can regain access to my account.
- **Acceptance Criteria:**
  - The system provides an option on the login screen to reset the password.
  - Users can request a password reset by entering their registered email address.
  - A password reset link is sent to the user's email.
  - The user is required to set a new password upon using the reset link.
  - Ensure the password reset process is secure and logged for monitoring.

5. Delete User

- **User Story:**
  As an admin, I want to delete a user so that they no longer have access to the chat application.
- **Acceptance Criteria:**
  - The system allows the admin to delete a user from the user list.
  - Deleting a user should remove all associated data securely.
  - Ensure the user receives a notification of account deletion.

9. Realtime Chat

- **User Story:**
  As a user, I want to chat with another user in real-time so that we can have immediate, private conversations.
- **Acceptance Criteria:**
  - Users can initiate a chat with another user.
  - Messages appear instantly in the chat window.

10. Group Chat Room

- **User Story:**
  As a user, I want to create group chat rooms dedicated to specific topics so that I can engage in discussions with multiple people on shared interests.
- **Acceptance Criteria:**
  - Users can create and add members.
  - Messages in group chats are visible to all participants.

11. Media Sharing

- **User Story:**
  As a user, I want to share images, files, and other media along with text in chats so that I can communicate more effectively.
- **Acceptance Criteria:**
  - Users can attach and send images, files, and other media in a chat.
  - Images, files, and other media are displayed inline with text in the chat window.

12. Auto-Save Conversations

- **User Story:**
  As a user, I want to have my conversations auto-saved so that I can access my chat history anytime.
- **Acceptance Criteria:**
  - Conversations are saved in real-time.
  - Users can search and retrieve past conversations easily.

14. Search Chat

- **User Story:**
  As a user, I want to search within my chats or group chats so that I can quickly find specific messages or people.

- **Acceptance Criteria:**
  - Users can search by keyword across all chats, contacts, and group names.
  - The search bar is accessible from the main chat list screen.