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Features of the Chat App:

1. Landing/Home Page
   - View existing chats
   - Create new chats
   - Recent activity in chats
   - Indication of unread messages.
2. Online Status
   - Display user's status next to avatar
3. Login/Register Page
   - Enter Screen Name and Password for login
   - Enter a unique username and password and email to register
4. Messaging
   - Displays past messages and display what you're typing in a new message as you are typing it.
   - Have time stamps for when messages are sent.
5. Notifications
   - Alerts when user receives a new message

Test plan for the features:

Landing/Home Page:

Purpose: Basic home page with chats.

Process: Let users test the functions like viewing chats, creating new chats or recent activity in chats.

Get feedback from users:
Does the user find it confusing to view chats, create chats?

Online Status:

Purpose: User is able to see the status of other users and change the status of themselves.

Process: After user logs in, check if it is easy to change their online status. Also check if they can see the status of their friends.

Get feedback from users:
Does the status display correctly?

Login/Register Page:

Purpose: Register and login.

Process: Try different username / password and test if inputs are legal. Register for an account and test if user is able to login with it.

Get feedback from users:
Does user find it inconvenient to register and login?

Messaging:

Purpose: Displays past conversations and send messages.
Process: Let users send messages to each other and see if they are able to receive them in a reasonable time. Check time stamps.

Get the feedback from the user:
Does user receive messages in a timely manner? What more can be done to improve user experience? Can user still receive messages even when they are offline?

Notifications:

Purpose: Notifies user in real time when they receive messages and tab title blinks when it's onblur.

Process: Prompt user to enable desktop notifications, then try if they get pop-up alerts when they receive messages.

Get feedback from users:
Do pop-up alerts display properly?