

Individual-Assignment #2:

Meteor Messaging Application

Social Computing Systems — Individual Assignment

For this assignment, you will be building a single page private messaging application using MeteorJS. There will be a login view that is displayed when first loading the page. Upon successfully creating an account or logging in, the login view will be hidden from the user and the messenger view will then be displayed. This is all done **without** redirecting the user to another page. In the messenger view, the current user can select another user and send them a private message. The messenger view will only display the messages between the logged in user and the currently selected contact. The main elements you will need to create for this assignment are:

- Login view (**Only shown when not logged in**)
 - Username text input
 - Note: No password inputs for this assignment (Makes grading easier)
 - Create account button
 - Creates a new user from the text in username field, login the new user, hide the login view, show the messenger view
 - Fails if:
 - Username is empty
 - Username already exists
 - Login button
 - Login as specified username, hide the login view, show the messenger view
 - Fails if:
 - Username is empty
 - Username does not exist
 - Error message
 - Displays a single error message on the page to the user
 - Do not use alerts or any dialogs, this must be text on the page
 - Required Cases:
 - Clicking create account or login when username is empty
 - Display “Error: Please enter a username”
 - Clicking create account when username exists
 - Display “Error: Username already exists”
 - Clicking login when username does not exist
 - Display “Error: Username does not exist”
 - A new error message replaces the old error message
 - You’ll only need to display the latest error
 - When create account or login is successful, hide the error message

- Messenger view (**Only shown if a user is logged in**)
 - Display the name of the current logged in user
 - Logout button
 - Logout the current user, hide the messenger view, and show the login view
 - Select list containing all the names of the other users
 - Must have a default “empty” option that has no text
 - Do not include the logged in user
 - Selecting a user updates the messages displayed
 - Text input with a button to write and send a message
 - Message is created and displayed in conversation history
 - Only submit when clicking the button
 - Hint: The message will be **from** the logged in user and **to** the selected contact
 - Conversation history
 - Display all messages only between the logged in user and the selected contact
 - Each message must have:
 - The text of the message
 - The sender’s name
 - A button to delete the individual message
 - Hint: each message has an id

When submitting, please include:

- A zipped file of your code
- A link to a publically-accessible version of your system
- All documentation needed to deploy your tool on a new system.

Remember: We will test your tool in the latest stable version of Chrome.

Grading

This assignment will be evaluated using the following approximate rubric:

- Login View (40%)
- Messenger View (55%)
- Code style and documentation (5%)

