**Chatroom Assignment and Tasks**

**Assignment:**

Chatroom Team Project

Online-chatroom

This is a three person team assignment which will have the students create a complete online chat solution utilizing React, Redux, NodeJS and ExpressJS. Once again, the interface is completely your team's choosing. Your chatroom will feature a home page, an about page and finally the full chatbox page!

Teams for this project are as follows:

1. Alex, Shawn, Rison

2. Bowen, Katie, Steve

3. Trevor, Taylor, Anthony

4. Solomon, Ethan, Dustin

Technologies Required

- React

- React Router

- Redux

- NodeJS

- SocketIO

- ExpressJS

- React Bootstrap

Home Page Requirements

Please choose a theme and make the homepage based on that theme.

1. Just some general information about what your chatbox discussion is for.

2. A general navigation element at the top, as well as making the homepage look as graphically nice as possible.

About Page Requirements

1. Just another about page which includes the three author's information.

Chatbox Requirements

1. The user should be able to access the site and see a general chatroom that they can access.

2. They can optionally choose to create their own chatroom that users will be able to see.

3. They should be able to set their chatroom to private or public, the private version only being accessible by using a specific code.

4. After selecting a chatbox, the user can set their own username for the chatroom.

5. They can set their own avatar as well.

6. You can type into the chatbox and have a conversation (this is demonstrated with your partners).

7. The user should be able to select a background color for their messages and it automatically makes the text either white or black.

8. All users should be able to see who is in the chatroom (a list of users somewhere on the interface).

Bonus #1

Make the chatroom even better by creating "private messages" between two users. You can click their username from the list of users and then select "private message" to open a private message with the user. You can then type and have a private conversation.

Bonus #2

Even further improve the chatbox by adding a "{Username} is typing..." indicator to the chatbox system. So if someone is typing, it should show they're typing. If multiple people are typing, it should show the first two and then say "{firstUsername}, {secondUsername} and {x} others are typing..." to signal that multiple users are typing.

Example: "Tony, Jennifer, and 5 others are typing..."

Teams will present this project Friday January 21st!!

**Chatroom Components & Features:   
Required:**   
Homepage  
Navbar  
about us  
chatroom  
set name and avatar  
create chatroom   
set chatroom to public or private  
admin (lets us delete posts or rooms we don’t like, create new chatrooms etc. )   
change background color/text color  
have conversation  
show list of users in room   
  
**Bonus:**private messages see who is typing  
 **Team:**change entire theme colors + more backgrounds, text colors as options change text size  
log in  
profile page  
gamification features like levels and rewards for users and rooms   
certain themes/backgrounds, avatar frames etc.. Limited to certain levels (roles?)  
an actual game? At least a gif for about page

**Tasks:**

**Task 0:**   
Decide theme  
Design chatroom using figma   
  
**Task 1:**   
Make Schedule & assign tasks   
Set up Git hub   
Make Basic Components  
Set up Routing   
  
**Task 2:**  
??

**Task ?:**Present Chatroom  
  
**Task ?:**  
Final check over /review   
submit assignment

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| --- | --- | --- | --- |
| **Assignment Chart** | | | |
|  | **Katie** | **Steve** | **Bowen** |
| **Task 0** | Decide theme Design chatroom using figma | | |
| **Task 1** | Schedule and Repo | Basic Components | Routing |
| **Task 2** |  |  |  |
| **Task 3** |  |  |  |