Submission Worksheet

CLICK TO GRADE

https://learn.ethereallab.app/assignment/IT114-006-S2024/it114-chatroom-milestone-3-2024/grade/bm47

IT114-006-S2024 - [IT114] Chatroom Milestone 3 2024

Submissions:

Submission Selection

1 Submission [active] 4/11/2024 3:08:50 PM

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Instructions

↑ COLLAPSE ↑

Implement the Milestone 3 features from the project's proposal

document: https://docs.google.com/document/d/10NmvEvel97GTFPGfVwwQC96xSsobbSbk56145Xi

Make sure you add your ucid/date as code comments where code changes are done

All code changes should reach the Milestone3 branch

Create a pull request from Milestone3 to main and keep it open until you get the output PDF from this assignment.

Gather the evidence of feature completion based on the below tasks.

Once finished, get the output PDF and copy/move it to your repository folder on your local machine.

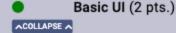
Run the necessary git add, commit, and push steps to move it to GitHub

Complete the pull request that was opened earlier

Upload the same output PDF to Canvas

Branch name: Milestone3

Tasks: 14 Points: 10.00





Task #1 - Points: 1

Text: Screenshots of the following

Checklist

*The checkboxes are for your own tracking

#

Points

Details

#1	1	Connection Panel
#2	1	User Details Panel
#3	1	Chat Panel
#4	1	Clearly caption screenshots

Task Screenshots:

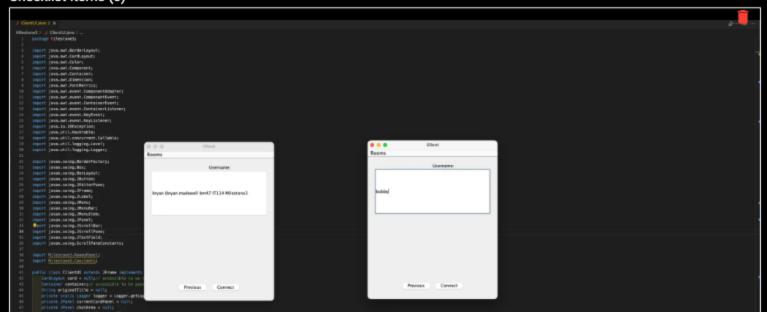
Gallery Style: Large View

Small Medium Large

| Controller | Security | Security

connection panel for 2 users of the chatroom

Checklist Items (0)



entering the usernames (i put my UCID and the class just for proof)

Checklist Items (0)



here is the chatroom working with the chat panels in view

Checklist Items (0)



△COLLAPSE △

Task #1 - Points: 1

Text: Screenshots demoing flip and roll commands

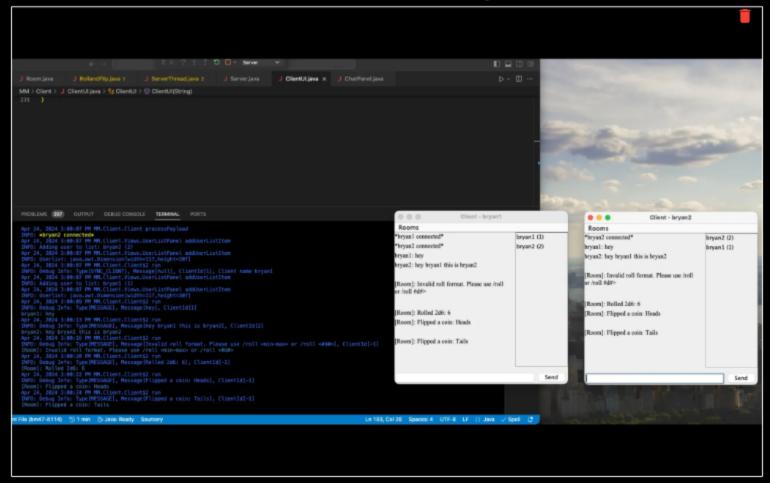
Checklist *The checkboxes are for your own tr		
#	Points	Details
#1	1	Flip output in a different format than normal messages

#2	1	Roll # output in a different format than normal messages
#3	1	Roll #d# output in a different format than normal messages
#4	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View

Small Medium Large



Attached is a screenshot of the UI working. Also, I first used the /roll command incorrectly so it will show the correct usage. I then did "/roll 2d6" and then showed the /flip command working twice and getting a successful output all times.

Checklist Items (0)

```
public void show(String cardName) {
               card.show(container, cardName);
                findAndSetCurrentPanel();
           public void addPanel(String cardName, JPanel panel) {
                                                                                                          000
                                                                                                                                Client - bryan
               this.add(cardName, panel);
                                                                                                         Rooms
                                                                                                         bryan connected*
                                                                                                                                                   bryan (2)
                                                                                                        [Room]: Rolled 2d6: 8
           public void connect() {
               String username = userDetailsPanel.getUsername();
                                                                                                        [Room]: Flipped a coin: Heads
               String host = csPanel.getHost();
               int port = csPanel.getPort();
setTitle(originalTitle + " - " + username);
                                                                                                        [Room]: Flipped a coin: Heads
               Client.INSTANCE.connect(host, port, username, this);
                                                                                                        [Room]: Flipped a coin: Heads
                                                                                                        [Room]: Flipped a coin: Heads
PROBLEMS (213) OUTPUT DEBUG CONSOLE TERMINAL
Apr 24, 2024 5:27:55 PM MM.Client.Client processPayload
INFO: *bryan connected*
Apr 24, 2024 5:27:55 PM MM.Client.Views.UserListPanel addUserListItem
```

```
INFO: Adding user to list: bryam (2)
Apr 24, 2024 5:27:55 PM MM.Client.Views.UserListPanel addUserListItem
INFO: Userlist: java.awt.Dimension[width=117,height=307]
Apr 24, 2024 5:27:59 PM MM.Client.Client52 run
INFO: Debug Info: Type[MESSAGE], Message[Rolled 2d6: <b>8</b>], ClientId[-1]
[Room]: Rolled 2d6: <b>8</b>
Apr 24, 2024 5:28:00 PM MM.Client.Client52 run
INFO: Debug Info: Type[MESSAGE], Message[Flipped a coin: <b>Heads</b>], ClientId[-1]
[Room]: Flipped a coin: <b>Heads</b>], ClientId[-1]
```

note: i just saw that the outputs are supposed to be in a different format than normal messages, so I made the output bold by adding HTML tags as you can see in the terminal.

Checklist Items (0)



Task #2 - Points: 1

Text: Screenshots demoing custom text formatting

Checklist *The checkboxes are for your own track		
#	Points	Details
#1	1	Custom text formatting for bold working (Part of the message should appear bold)
#2	1	Custom text formatting for italic working (Part of the message should appear italic)
#3	1	Custom text formatting for underline working (Part of the message should appear underline)
#4	1	Custom text formatting for red working (Part of the message should appear red)
#5	1	Custom text formatting for blue working (Part of the message should appear blue)
#6	1	Custom text formatting for green working (Part of the message should appear green)
#7	1	Custom text formatting for combined bold, italic, underline, and a color working (Part of the message should have all 4 formats applied at once)
#8	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View

| Page | Procedure | Page | Pa

```
became mensaged:

// Moved name of the companion of the c
```

All of the features are included, and the message describe what they are. I showed the fact that some of the message can be a color, while the other not. I also included the terminal in the bottom for additional proof of the fully functioning text formatting, and the UCID on the right side of the VScode file.

Checklist Items (0)



Task #3 - Points: 1

Text: Screenshot of the code solving the formatting display

Checklist *The checkboxes are for your own tra		
#	Points	Details
#1	1	Show each relevant file this was done in (may be one or more)
#2	1	Include ucid and date comment
#3	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View

```
Small Medium Large

| Simple |
```

```
| formattedNessage.append(subdertime ? "ess" : "
| formattedNessage.append(subdertime ? "ess" : "
| formattedNessage.append(" = "ess" : "
| case '2'|
| case '2'|
| case '2'|
| stream;
| stream;
| formattedNessage.append(" = "stream;)
| case '2'|
| case
```

For this code in Room.java, I used switch statements to simplify the process of text formatting. I explain it in the question asking about the details.

Checklist Items (0)



Task #4 - Points: 1

Text: Explain how the formatting was made to be visible/rendered in the UI



Note each scenario

Response:

Most of this work is done in the Room.java class. As stated in class, the ChatPanel.java file should have been changed from plain to HTML text, which is one of the most important reasons this works. What I did to get it to work, was use the & symbol to dictate what formatting would be used. The way I pictured this working was the & was essentially the HTML tags, but looking much neater. For example, &b hey &b hey would be hey in bold, and then hey in regular text. I did this by creating a processTextFormatting method that checks every message sent, and depending on what comes after the &, the text formatting is then applied. For simplicity, I made bold B, italics I, and underline U. I also made red 1, green 2, and blue 3. This makes it easier to remember for me because of the color acronym RGB (red green blue).

Private Message with @ (2 pts.)



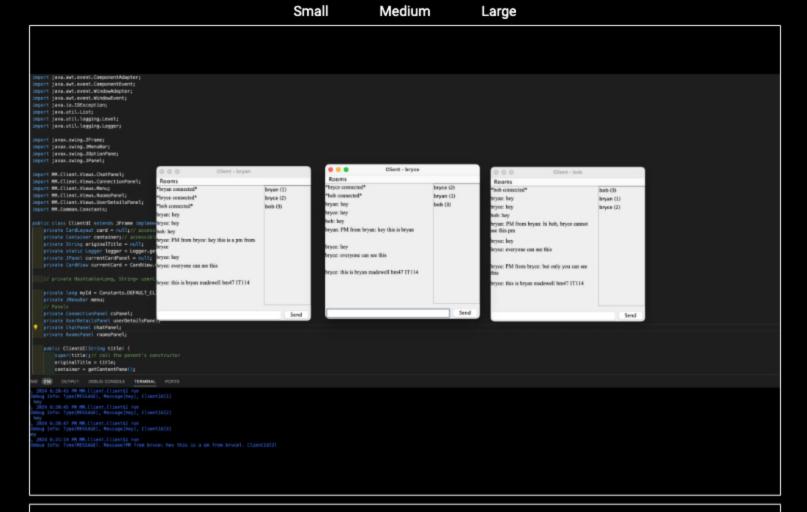
Task #1 - Points: 1

Text: Screenshots demoing private message

Checklist		*The checkboxes are for your own tracking
#	Points	Details
#1	1	Should have 3 clients in the same room
#2	1	Demo a private message where only the sender and target see the message
#3	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View



All requirements met

Checklist Items (0)



Task #2 - Points: 1

Text: Screenshots of the related code

Checklist *The checkboxes are for your own track		
#	Points	Details
#1	1	Show what code processes and handles the private message
#2	1	The message should only be sent to the receiver and the target
#3	1	The client should be targeting the username and the server side should be fetching the correct recipient
#4	1	Include ucid and date comment
#5	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View

Small Medium Large

```
| The content of the
```

This is the most relevant code when it comes to the private messages. I had a difficult time getting @ to work, so I decided to do another command, that being /pm, hence the "pm" case. UCID and date included and the proof of this working is in the other screenshot where it asks to show that it works.

Checklist Items (0)



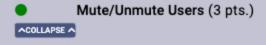
Task #3 - Points: 1

Text: Explain how private message works related to the code above

Checklist		*The checkboxes are for your own tracking
#	Points	Details
#1	1	Include how the sender and receiver are handled
#2	1	Include how the username is used to get the proper id

Response:

The command /pm triggers the private message method, which then first checks and sees if there is a valid user in the room intended to receive the private message. If the user exists, the message is then ONLY send to the user that it is intended for. When a client joins the room, an ID is given. Doing /pm (name) or @(name) will be using the clientName, but the clientName is also related to the clientID, that it how the clientID is retrieved from this.





Task #1 - Points: 1

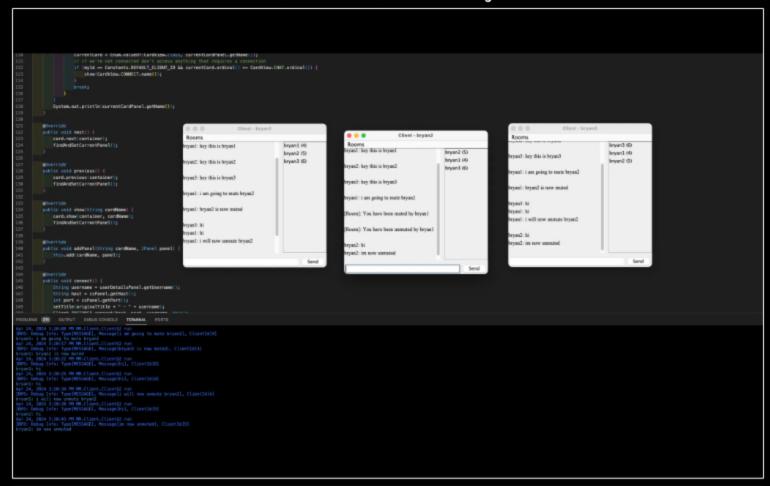
Text: Screenshots demoing feature working

Checklist		*The checkboxes are for your own tracking
#	Points	Details
#1	1	Should have 3 clients in the same room
#2	1	Demo mute preventing messages between the muter and the target
#3	1	Demo mute also being accounted for with private messages
#4	1	Demo unmute allowing the messages again from the target to the unmuter

Task Screenshots:

Gallery Style: Large View

Small Medium Large



This screenshot shows 3 users in the room, all with the ability to speak. Bryan1 then mutes Bryan2 and the message is then sent to the muted user letting them know they have been muted. Bryan1 then UNmutes Bryan2 and it is shown in the chat he is unmuted and Bryan2 then can send a message again.

Checklist Items (0)



Task #2 - Points: 1

Text: Screenshots of the related code

#	Points	Details
#1	1	ServerThread should have a list of who they muted
#2	1	ServerThread should expose and add, remove, and is muted check to room
#3	1	Room should handle the mute list when receiving the appropriate payloads
#4	1	Room should check the mute list during send message and private messages
#5	1	Include ucid and date comment
#6	1	Clearly caption screenshots

Task Screenshots:

Gallery Style: Large View

Small Medium Large

```
public class ServerThread extends Thread {
         private Socket client;
         private String clientName;
         private boolean isRunning = false;
         private boolean muted = false;
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         private long clientId = Constants.DEFAULT_CLIENT_ID;
         private ObjectOutputStream out;// exposed here for send()
// private Server server;// ref to our server so we can call methods on it
         private Room currentRoom;
         private Logger logger = Logger.getLogger(ServerThread.class.getName());
         private void info(String message) {
              logger.info(String.format("Thread[%s]: %s", getClientName(), message));
         public boolean isMuted(){
              return muted;
          public void setMuted(boolean muted) {
             this.muted = muted;
          public ServerThread(Socket myClient/* , Room room */) 
              this.client = myClient;
54
55
56
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60
         protected void setClientId(long id) {
              clientId = id;
              if (id == Constants.DEFAULT_CLIENT_ID) {
                  logger.info(TextFX.colorize(text:"Client id reset", Color.WMITE));
              sendClientId(id);
```

This screenshot shows some of the code used to mute a user. It uses isMuted() and setMuted() to check if a user is muted, and then to set a user as muted.

Checklist Items (0)

```
protected static void disconnect(light (ServerThread client, Room repe) {
    client.setCarrendRese(room.nall);
    client.setCarrendRese(room.nall);
    client.discessect(i);
    rese.removeClient(client);
    rese.removeClient(client);
    rese.removeClient(client);
    rese.removeClient(client);
    rese.removeClient newspears to all clients in
    rate
    rese.removeClient newspears to all clients in
    rate
    rate
```

Here is the Room.java code, the first screenshot being the ServerThread.java code. This shows more of the code used to mute the user, using isMuted to determine whether or not a user it muted. If the user is muted, the message is not sent to other users. If the user is not, they are allows to send a message to the room/lobby.

Checklist Items (0)



Task #3 - Points: 1

Text: Explain how the mute and unmute logic works in relation to the code

Checklist		*The checkboxes are for your own tracking
#	Points	Details
#1	1	Explain how your mute list is handled
#2	1	Explain how it's handled/processed in send message and private message

Response:

Mute is handled in both the Room.java file and the ServerThread.java file. There are two methods mainly used, those being isMuted, and setMute. One the command /mute (user) is sent, it is checked to ensure that the user in the room exists. If the user does not exist, the command does not work and the user who executed the command is notified that the user does not exist. If it does work, it works via the setMute() method and then deems the user unable to send messages for the time being. Until the user is set to unmuted, they are not allowed to send messages.





Task #1 - Points: 1

Text: Add the pull request link for the branch

Details:

Note: the link should end with /pull/#

URL #1 Missing URL Task #2 - Points: 1 Text: Talk about any issues or learnings during this assignment

Response:

Missing Response



Task #3 - Points: 1

Text: WakaTime Screenshot

Details:

Grab a snippet showing the approximate time involved that clearly shows your repository. The duration isn't considered for grading, but there should be some time involved.

Task Screenshots:

Gallery Style: Large View

Small Medium Large

Missing Caption

End of Assignment