Submission Worksheet

CLICK TO GRADE

https://learn.ethereallab.app/assignment/IT114-005-F2024/it114-milestone-2-chatroom-2024-m24/grade/kr553

Course: IT114-005-F2024

Assigment: [IT114] Milestone 2 Chatroom 2024 (M24)

Student: Kush R. (kr553)

Submissions:

Submission Selection

1 Submission [submitted] 11/9/2024 11:16:22 AM

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Instructions

^ COLLAPSE ^

- Implement the Milestone 2 features from the project's proposal document: https://docs.google.com/document/d/10NmvEvel97GTFPGfVwwQC96xSsobbSbk56145XizQG4/view
- 2. Make sure you add your ucid/date as code comments where code changes are done
- 3. All code changes should reach the Milestone2 branch
- Create a pull request from Milestone2 to main and keep it open until you get the output PDF from this assignment.
- 5. 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.
- 7. 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: Milestone2

Group

100%

Group: Payloads

Tasks: 2 Points: 2

^ COLLAPSE ^





Group: Payloads

Task #1: Base Payload Class

Weight: ~50% Points: ~1.00





All code screenshots must have ucid/date visible.

Columns: 1



Group: Payloads

Task #1: Base Payload Class

Sub Task #1: Show screenshot of the Payload.java

4

Task Screenshots

Gallery Style: 2 Columns

2



Payload.java

Caption(s) (required) ~

Caption Hint: Describe/highlight what's being shown

Task Response Prompt

Briefly explain the purpose of each property and serialization Response:

Payload is a package of information shared between players and the server. It has details like the message, who sent it, the time, and what kind of message it is. Serialization helps send this package easily over the internet or save it for later use.

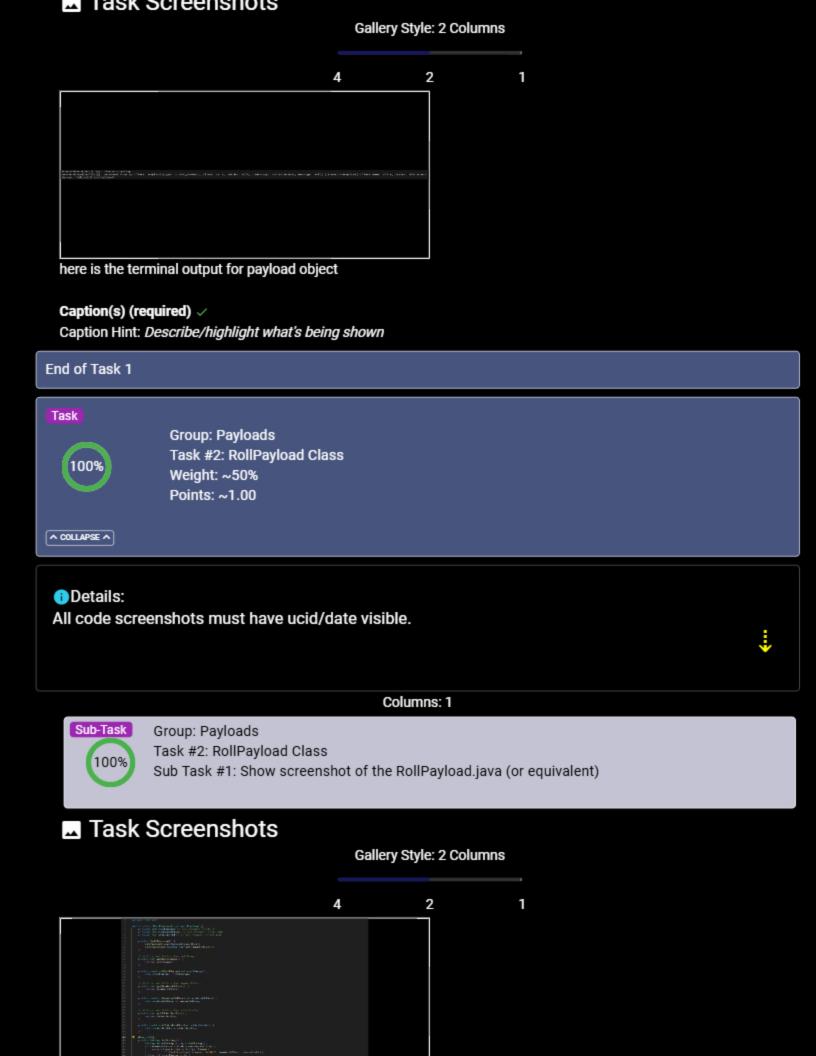
Sub-Task

Group: Payloads

Task #1: Base Payload Class

Sub Task #2: Show screenshot examples of the terminal output for base Payload objects

100%



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RollPayload.java

Caption(s) (required) 🗸

Caption Hint: Describe/highlight what's being shown

■ Task Response Prompt

Briefly explain the purpose of each property

Response:

rollRange sets the limit for a single roll. numberOfDice tells how many dice to roll, while sidesPerDie shows how many sides each die has. These properties let players roll either a single number or multiple dice.

Sub-Task 100%

Group: Payloads

Task #2: RollPayload Class

Sub Task #2: Show screenshot examples of the terminal output for base RollPayload objects

Task Screenshots

Gallery Style: 2 Columns

4 2 1

ServerThread[slice(1)]: Neceived from My client: Pavloed [Type: MULL, Client ID: 2, Sender: alice, Timestamp : 3731369255280, McDough: mull) [RelIPavload] Hance: 1180 Hose[limity]: Conding mescape to 1 recipients: alice valled 1180 and get 271

here is example output for rollpayload

Caption(s) (required) <

Caption Hint: Describe/highlight what's being shown

End of Task 2

End of Group: Payloads

Task Status: 2/2

Group



Group: Client Commands

Tasks: 2 Points: 4

^ COLLAPSE ^



Task #1: Roll Command

Weight: ~50% Points: ~2.00





All code screenshots must have ucid/date visible.

Any output screenshots must have at least 3 connected clients able to see the output.

All commands must show who triggered it, what they did (specifically) and what the outcome was:

Columns: 1



Group: Client Commands Task #1: Roll Command

Sub Task #1: Show the client side code for handling /roll #

Task Screenshots

Gallery Style: 2 Columns

2

```
//kr552 11/9/202d
//kr552
```

ProcessRollCommand()

Caption(s) (required) 🗸

Caption Hint: Describe/highlight what's being shown

■ Task Response Prompt

Briefly explain the logic

Response:

The processRollCommand method handles /roll commands. It checks if the command is to roll a single number (/roll #) or multiple dice (/roll #d#). It then creates a RollPayload with the relevant details, like the range or number of dice, and sends it to the server. Invalid commands show an error message.



Group: Client Commands

Task #1: Roll Command

Sub Task #2: Show the output of a few examples of /roll # (related payload output should be visible)

Task Screenshots

Callery Style: 2 Column

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here is the roll commands with the payloads format 1 is regular rolling and 2 is dice

Caption(s) (required) <

Caption Hint: Describe/highlight what's being shown



Group: Client Commands

Task #1: Roll Command

Sub Task #3: Show the client side code for handling /roll #d# (related payload output should be visible)

Task Screenshots

Gallery Style: 2 Columns

4 2 1

```
//borse 11/0/2024
private void processSoliCommund(String commandValue) {
    commandValue = commandValue.trin();
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here is code for payloadRollcommand again with other Format 2 of roll ing a dice

Caption(s) (required) <

Caption Hint: Describe/highlight what's being shown

■ Task Response Prompt

Briefly explain the logic

Response:

The processRollCommand method handles /roll commands. It checks if the command is to roll a single number (/roll #) or multiple dice (/roll #d#). It then creates a RollPayload with the relevant details, like the range or number of dice, and sends it to the server. Invalid commands show an error message.



Group: Client Commands

Task #1: Roll Command

Sub Task #4: Show the output of a few examples of /roll #d#

Task Screenshots

Gallery Style: 2 Columns



example of rolling a dice

Caption(s) (required) ~

Caption Hint: Describe/highlight what's being shown



Group: Client Commands

Task #1: Roll Command

Sub Task #5: Show the ServerThread code receiving the RollPayload

Task Screenshots

Gallery Style: 2 Columns

//kr553 11/9/2024 private void processRollPayload(RollPayload payload) {
 if (currentRoom.processRollCommand(this, psyload);
) else {
 System.out.println("No room assigned to process roll command.");
 }
}

Rollpayload in ServerThread

Caption(s) (required) <

Caption Hint: Describe/highlight what's being shown

■ Task Response Prompt

Briefly explain the logic

Response:

The method checks if the client is in a room. If yes, it processes the roll command for that room; if not, it displays an error saying there's no room assigned.



Group: Client Commands
Task #1: Roll Command



Task Screenshots

Gallery Style: 2 Columns

2

4

here is the code for room.java

Caption(s) (required) ~

Caption Hint: Describe/highlight what's being shown

■, Task Response Prompt

Briefly explain the logic

Response:

This method handles rolling dice commands. It checks if the user wants multiple dice (e.g., "2d6") or a simple range (e.g., "1-100"). It generates random rolls accordingly, sums the results, and creates a message. Finally, it sends the result to everyone in the chat room.

End of Task 1

Task



Group: Client Commands Task #2: Flip Command

Weight: ~50% Points: ~2.00

^ COLLAPSE ^

Columns: 1

Sub-Task 100%

Group: Client Commands Task #2: Flip Command

Sub Task #1: Show the client side code for handling /flip

Task Screenshots

Gallery Style: 2 Columns

4

2

1

```
//kr553 11/9/2024
private void processFlipCommand() {
    Payload flipPayload = new Payload();
    flipPayload.setPayloadType(PayloadType.FLIP);
    flipPayload.setSenderName(myData.getClientName());
    flipPayload.setClientId(myData.getClientId());
    send(flipPayload);
}
```

Flip command in client code

Caption(s) (required) ~

Caption Hint: Describe/highlight what's being shown

■, Task Response Prompt

Briefly explain the logic

Response:

This code creates a "flip a coin" command. It packages details like the sender's name and type of command, then sends this information to the server, which handles the coin flip.



Group: Client Commands

Task #2: Flip Command

Sub Task #2: Show the output of a few examples of /flip (related payload output should be visible)

Task Screenshots

Gallery Style: 2 Columns

4

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here are some examp[les with payloads

Caption(s) (required) <

Caption Hint: Describe/highlight what's being shown

End of Task 2

End of Group: Client Commands

Task Status: 2/2

Group



Group: Text Formatting

Tasks: 1 Points: 3



Task



Group: Text Formatting
Task #1: Text Formatting

Weight: ~100% Points: ~3.00

^ COLLAPSE ^



All code screenshots must have ucid/date visible.

Any output screenshots must have at least 3 connected clients able to see the output.

Note: Having the user type out html tags is not valid for this feature, instead treat it like WhatsApp,

Discord, Markdown, etc

Columns: 1



Group: Text Formatting Task #1: Text Formatting

Sub Task #1: Show the code related to processing the special characters for bold, italic, underline,

and colors, and converting them to other characters (should be in Room.java)

Task Screenshots

Gallery Style: 2 Columns

2

4

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```

well i have implemented in TextFX file

Caption(s) (required) ~

Caption Hint: Describe/highlight what's being shown

■, Task Response Prompt

Briefly explain how it works and the choices of the placeholder characters and the result characters Response:

The code replaces special symbols (**, *, _, #r, etc.) with ANSI codes to style text in the terminal. Symbols represent formatting like bold, italic, underline, or colors, turning plain text into styled output when displayed.



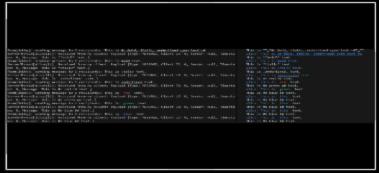
Group: Text Formatting
Task #1: Text Formatting

Sub Task #2: Show examples of each: bold, italic, underline, colors (red, green, blue), and combination of bold, italic, underline and a color

Task Screenshots

Gallery Style: 2 Columns

2



everytype examples with combination

Caption(s) (required) ~

Caption Hint: Describe/highlight what's being shown

End of Task 1

End of Group: Text Formatting

Task Status: 1/1

Group



Group: Misc Tasks: 3 Points: 1

^ COLLAPSE ^

Task



Group: Misc

Task #1: Add the pull request link for the branch

Weight: ~33% Points: ~0.33

^ COLLAPSE ^

①Details:

Note: the link should end with /pull/#



⇔Task URLs

URL #1

End of Task 1

Task

100%

Group: Misc

Task #2: Talk about any issues or learnings during this assignment

Weight: ~33% Points: ~0.33

^ COLLAPSE ^

■ Task Response Prompt

Response:

Small issues like error for unknown symbol, undifined reference spent hours to sold that nothing more.

End of Task 2

Task



Group: Misc

Task #3: WakaTime Screenshot

Weight: ~33% Points: ~0.33

^ COLLAPSE ^

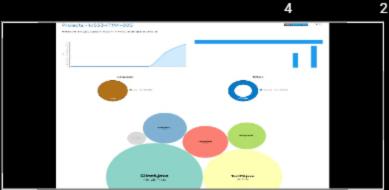
Details:

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: 2 Columns



Wakatime it is

Lild Of Task 3

End of Group: Misc Task Status: 3/3

End of Assignment