

Submission Worksheet

Submission Data

Course: IT114-450-M2025

Assignment: IT114 Module 3 User Input Challenges

Student: Anthony L. (agl8)

Status: Submitted | **Worksheet Progress:** 100%

Potential Grade: 10.00/10.00 (100.00%)

Received Grade: 0.00/10.00 (0.00%)

Started: 8/11/2025 1:27:16 AM

Updated: 8/11/2025 1:05:56 PM

Grading Link: <https://learn.ethereallab.app/assignment/v3/IT114-450-M2025/it114-module-3-user-input-challenges/grading/agl8>

View Link: <https://learn.ethereallab.app/assignment/v3/IT114-450-M2025/it114-module-3-user-input-challenges/view/agl8>

Instructions

- Overview Link: <https://youtu.be/iowHMCKuj5o>

1. Ensure you read all instructions and objectives before starting.
2. Create a new branch from main called M3-Homework
 1. `git checkout main` (ensure proper starting branch)
 2. `git pull origin main` (ensure history is up to date)
 3. `git checkout -b M3-Homework` (create and switch to branch)
3. Copy the template code from here: [GitHub Repository - M3 Homework](#)
 - It includes CommandLineCalculator, SlashCommandHandler, MadLibsGenerator, a BaseClass and a stories folder with 5 stories (used for MadLibsGenerator). Put all into an M3 folder or similar (adjust package reference at the top if you chose a different folder name).
 - Immediately record to history
 - ☐ `git add .`
 - ☐ `git commit -m "adding M3 HW baseline files"`
 - ☐ `git push origin M3-Homework`
 - ☐ Create a Pull Request from M3-Homework to main and keep it open
4. Fill out the below worksheet
 - Each Problem requires the following as you work
 - ☐ Ensure there's a comment with your UCID, date, and brief summary of how the problem was solved
 - ☐ Update the ucid variable
 - ☐ Code solution (add/commit periodically as needed)
5. Once finished, click "Submit and Export"
6. Locally add the generated PDF to a folder of your choosing inside your repository folder and move it to Github
 1. `git add .`
 2. `git commit -m "adding PDF"`
 3. `git push origin M3-Homework`
 4. On Github merge the pull request from M3-Homework to main

1. `git checkout main`
2. `git pull origin main`

Progress: 100%

Progress: 100%

- Don't adjust the give code unless noted
- Challenge 1: Accept two numbers and an operator as command-line arguments (+ and -)
- Challenge 2: Allow integer and floating-point numbers
 - Ensure correct decimal places in output based on input (e.g., $0.1 + 0.2 \rightarrow 1$ decimal place)
- Display an error for invalid inputs or unsupported operators
- Add code to solve the problem (add/commit as needed)

Progress: 100%


1. Snippet of relevant code showing solution (with uid/date comment)
2. Full output of executing the program (Capture 5 variations of tests)

code part 1

```

101 dec1 = parseInt = 0;
102 if (num1Str.contains("#")) {
103     dec1 = num1Str.length() - num1Str.indexOf("#") - 1;
104 }
105 int decimals2 = 0;
106 if (num2Str.contains("#")) {
107     decimals2 = num2Str.length() - num2Str.indexOf("#") - 1;
108 }
109 int maxDecimals = Math.max(dec1, decimals2);

```

 Saved: 8/11/2025 12:29:11 PM

Section #2: (3 pts.) Challenge 2 - Slash Command Handler

Progress: 100%

≡ Task #1 (3 pts.) - Edit the `main` method to solve the requirements

Progress: 100%

Details:

- Don't adjust the give code unless noted
- Challenge 1: Accept user input as slash commands (Commands are case-insensitive)
 - `"/greet <name>"` → Prints "Hello, <name>!"
 - `"/roll <num>d<sides>"` → Roll <num> dice with <sides> and returns a
 - `"/echo <message>"` → Prints the message back
 - `"/quit"` → Exits the program
- Challenge 2: Print an error for unrecognized commands
- Challenge 3: Print errors for invalid command formats (when applicable)
- Add code to solve the problem (add/commit as needed)

Part 1:

Progress: 100%

Details:

Two screenshots are expected

1. Snippet of relevant code showing solution (with ucid/date comment)
2. Full output of executing the program (Capture 3 variations of each command except "/quit")

[illegible]

code part 1

[illegible]

```

    System.out.println("Exiting.");
    printFooter(ucid, problem:2);
    scanner.close();
} <- #23-102 public static void main(String[] args)
} <- #20-103 public class SlashCommandHandler extends BaseClass

```

code part 2

```

    System.out.println(x:"Exiting.");
    printFooter(ucid, problem:2);
    scanner.close();
} <- #23-102 public static void main(String[] args)
} <- #20-103 public class SlashCommandHandler extends BaseClass

```


code part 3

```

anthonyleongMacBookAir ~/Library/CloudStorage/OneDrive-Personal/NIIT Coursework/Summer 2025/agl8-IT114-450 $ java M3.SlashCommandHandler
Running Problem 2 for [agl8] [2025-08-11T01:47:30.665660]
Objective: Implement a simple slash command parser.
Enter command: /greet Anthony
Hello, Anthony!
Enter command: /roll 2d4
Rolled2d4 and got 6!
Enter command: /roll 2d20
Rolled2d20 and got 22!
Enter command: /echo Expedition 33
Expedition 33
Enter command: /echo Dim Dum Dam
Dim Dum Dam
Enter command: /wrong
Unrecognized command: /wrong
Enter command:

```

output

 Saved: 8/11/2025 12:27:48 PM

Part 2:

Progress: 100%

Details:

Direct link to the file in the homework related branch from Github (should end in `.java`)


URL #1

<https://github.com/agl8-2025/agl8-IT114-450/M3-Homework/M3/SlashCommandHandler.java>



URL

<https://github.com/agl8-2025/agl8-IT114-450/M3-Homework/M3/SlashCommandHandler.java>

 Saved: 8/11/2025 12:27:48 PM

Part 3:

Progress: 100%

Details:

Briefly explain `how` the code solves the challenges (note: this isn't the same as `what` the code

does)

Your Response:

The program uses the while loop and scanner to monitor user input. It then uses an if else if to figure out what command to run and verifies any errors. The roll command then uses the try catch block to verify if the dice format is correct.



Saved: 8/11/2025 12:27:48 PM

Section #3: (3 pts.) Challenge 3 - Mad Libs Generator

Progress: 100%

☰ Task #1 (3 pts.) - Edit the `main` method to solve the challenges

Progress: 100%

Details:

- Don't adjust the give code unless noted
- Ensure you have the `stories` folder with the 5 stories
- Challenge 1: Load a **random** story from the "stories" folder
- Challenge 2: Extract **each line** into a collection (i.e., ArrayList)
- Challenge 3: Prompts user for each placeholder (i.e., `<adjective>`)
 - Any word the user types is acceptable, no need to verify if it matches the placeholder type
 - Any placeholder with underscores should display with spaces instead
- Challenge 4: Replace placeholders with user input (assign back to original slot in collection)
- Add code to solve the problem (add/commit as needed)

Part 1:

Progress: 100%

Details:

Two screenshots are expected


1. Snippet of relevant code showing solution (with ucid/date comment)
2. Full output of executing the program (Capture the process for at least 2 stories)



Briefly explain **how** the code solves the challenges (note: this isn't the same as **what** the code does)

Your Response:

This program starts by choosing a random story file. It reads the story line by line and saves it. The code then loops through the saved lines, finds each placeholder, and prompts the user for a new word. Once all the words are replaced, it prints out the completed story.

 Saved: 8/11/2025 12:37:10 PM

Section #4: (1 pt.) Misc

Progress: 100%

☰ Task #1 (0.33 pts.) - Github Details

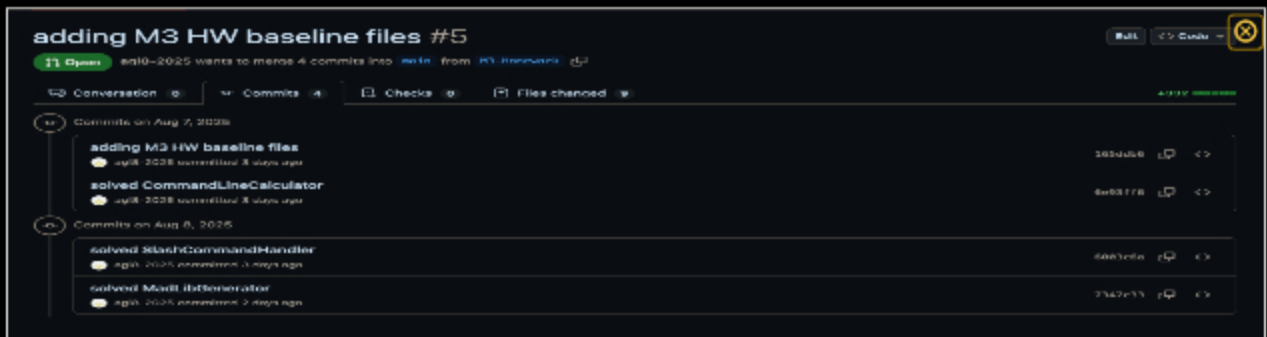
Progress: 100%

📁 Part 1:

Progress: 100%

Details:

From the Commits tab of the Pull Request screenshot the commit history Following minimum should be present



adding M3 HW baseline files #5

ag18-2025 wants to merge 4 commits into main from M3 homework

Conversation Commits Checks Files changed


Commits on Aug 7, 2025

- adding M3 HW baseline files
ag18-2025 committed 8 days ago 1634058
- solved CommandLineCalculator
ag18-2025 committed 8 days ago 6603178

Commits on Aug 6, 2025

- solved BlendCommandHandler
ag18-2025 committed 9 days ago 6603058
- solved ModelGenerator
ag18-2025 committed 2 days ago 7342717

commits

 Saved: 8/11/2025 1:56:17 AM

🔗 Part 2:

Progress: 100%

Details:

Include the link to the Pull Request (should end in **/pull/#**)

URL #1

<https://github.com/ag18-2025/ag18-IT114-F25/>



URL

<https://github.com/ag18-2025/ag18-IT114-F25/pull/5>



Saved: 8/11/2025 1:56:17 AM

Task #2 (0.33 pts.) - WakaTime - Activity

Progress: 100%

Details:

- Visit the [WakaTime.com](https://wakatime.com) Dashboard
- Click **Projects** and find your repository
- Capture the overall time at the top that includes the repository name
- Capture the individual time at the bottom that includes the file time
- Note: The duration isn't relevant for the grade and the visual graphs aren't necessary

Projects • agl8-IT114-450

total 13 hrs 16 mins

20 hrs 28 mins over the Last 7 Days in agl8-IT114-450 under all branches.

waka top

Files		Branches	
6 hrs 22 mins	M2/Mod2/CommonHandler.java	8 hrs 10 mins	M3-Homework
2 hrs 54 mins	M4/Part3HW/Client.java	7 hrs 1 min	M3-Homework
2 hrs 21 mins	M4/Part3HW/Server.java	5 hrs 16 mins	M2-Homework
2 hrs 19 mins	M3/ModLibsGenerator.java	0 secs	main
2 hrs 15 mins	M4/Part3HW/ServerThread.java		
1 hr 52 mins	M2/Problem3.java		
1 hr 31 mins	M2/Problem5.java		
1 hr 20 mins	M3/CommonLibsCalculator.java		
1 hr 15 mins	M2/Problem4.java		
45 mins	M4/Part3/Client.java		
45 mins	M2/Problem2.java		
5 mins	M4/Part3/Server.java		
4 mins	M4/Part3HW/TextFX.java		
16 secs	M2/Mod2Libs.java		
12 secs	M4/Part3HW/Constants.java		
0 secs	M2/Problem4.class		
0 secs	M2/Problem2.class		

waka bottom



Saved: 8/11/2025 1:57:21 AM

Task #3 (0.33 pts.) - Reflection

Progress: 100%

Task #1 (0.33 pts.) - What did you learn?

Progress: 100%

Details:

Briefly answer the question (at least a few decent sentences)

Your Response:

In this module, I learned a couple of ways to get user input. This included using command line arguments, scanner, and file I/O.



Saved: 8/11/2025 12:50:33 PM

⇒ Task #2 (0.33 pts.) - What was the easiest part of the assignment?

Progress: 100%

Details:

Briefly answer the question (at least a few decent sentences)

Your Response:

The easiest part was the command line calculator. The logic was simple because it just had to work with three arguments and a couple of operators.



Saved: 8/11/2025 1:04:30 PM

⇒ Task #3 (0.33 pts.) - What was the hardest part of the assignment?

Progress: 100%

Details:

Briefly answer the question (at least a few decent sentences)

Your Response:

The hardest part was the mad libs generator since it used different ideas together. Using regex to find and replace the words was the most confusing part.



Saved: 8/11/2025 1:05:56 PM