
EE/CprE/SE 491 BI - WEEKLY REPORT #5

November 8th

Group number: sddec23-15

Project title: Discord Bot Integration for Replit Teams for Education

Client &/Advisor: Joseph Zambreno

Team Members/Role: Cole Mullenbach, Kristen Nathan, Kyle Rooney, Patrick Demers, Sophie Waterman Hines

- **Bi-Weekly Summary**

- **Past week accomplishments**

Kyle Rooney

Worked with Patrick to compile student code using a gcc compiler within our python code. We also worked on feeding the output of the compiler to Algolia where we created responses to common errors in C. We were able to get a majority of this working, but still have a few wrinkles to fix with it before we are ready to hand it off.

Kristen Nathan

As a team, Replit integration was able to make more progress and finish being able to finish as well as getting both branches merged. Started doing more work towards finishing up all functionality of the Replit integration, including getting specific assignment URLs.

Cole Mullenbach

We met as a team and worked on finishing touches on ephemeral messages and finish the replit implementation. We are now getting everything prepared to make everything work together.

Patrick Demers

Collaborated with Kyle to take a given student's code for an assignment and compile it using gcc. The output is then fed into Algolia to provide more helpful responses to students. The next step is Kristen and Sophie providing a url to student code so we can download a student's code from the given assignment on the fly.

Sophie Waterman Hines

Met with fellow group members to finish the Replit implementation and code pulling to the discord bot and Algolia, as well as helped merge the two working branches we had together to

begin our completion of the bot.

- **Pending issues**
- **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u> (Quick list of contributions. This should be short.)	<u>Hours this week</u>	<u>HOURS cumulative</u>
Cole Mullenbach	Ephemeral Messages and final touches	4	40
Kristen Nathan	Work on Replit integration	4	39
Kyle Rooney	Worked on compiling code and feeding Algolia the error messages.	4	45
Patrick Demers	Code compilation using gcc, translating errors to helpful messages	4	48
Sophie Waterman Hines	Worked on merging code branches and completing replit implementation.	4	45

- **Plans for the upcoming week**
 - Sophie Waterman Hines: Finish grabbing replit assignments with student provided urls.
 - Patrick Demers: Handle edge cases and non happy path scenarios.
 - Kristen Nathan: Get urls for specific assignments in Replit
 - Kyle Rooney: Add more responses to Algolia that relate to compiler error messages. Also test any edge cases that are possible.
 - Cole Mullenbach: Assist with adding more responses to Algolia
- **Summary of weekly advisor meeting**

We did not meet with our advisor this week.