EE/CprE/SE 491 Weekly Report #7
10/25/2024 – 10/31/2024
Group sdmay25-23
Project title: Code Critiquer System for the C Language and Embedded C
Client &/Advisor: Dr. Diane Rover

Team Members/Role:
James Joseph - Secure System Design, CPR E 2880 Liaison
Samuel Lickteig - Backend System Design
Alix Noble - Testing
Andrew Sand - Team Organization, CPR E 2880 Liaison
Owen Sauser - Client Interaction, Frontend System Design, CPR E 2880 Liaison

- **Weekly Summary**

    This week, the team primarily focused on getting the previous team's code working. There are still some minor issues to fix, but the group is now in a position to start the development of new features. Notably, the project had some Windows-specific problems that the team worked through, even though the previous senior design group used that operating system for development. Additionally, several members also continued researching how different technologies in the system work to gain a better understanding of their rationale and usage.

- **Past Week Accomplishments**
    - James Joseph:
        - Worked on errors while running on Windows
    - Samuel Lickteig:
        - Worked on errors while running on Windows
        - Got started on a few API syntax changes
    - Alix Noble:
        - Began work on a page where instructors can see which mistakes students are making on assignments
            - Created data table and inserted fake data
            - Created a new page from instructor home
    - Andrew Sand:
        - Continued refreshing regex knowledge

- Using https://www.rexegg.com/regex-quickstart.php combined with https://regex101.com/ and COM S 2520 notes to brush up on techniques
    - Wrote Project Overview for the team's website
  - Owen Sauser:
    - Got code working locally
    - Started researching how flask works and

- **Pending Issues** (If applicable: Were there any unexpected complications? Please elaborate.)
  - James Joseph:
    - GCC and makefiles aren't functioning as expected on Windows
  - Samuel Lickteig:
    - Only person on the team receiving an error message that only seems to occur when a file with the empty loop antipattern is uploaded and the file has #include(s) at the top
  - Alix Noble:
    - N/A
  - Andrew Sand:
    - Compiler-based analysis is not working on Ubuntu local install of the codebase
      - This is a pending issue carried over from last timespan, and no progress was made during this week
  - Owen Sauser:
    - Figuring out how to work in flask
    - Getting the project upload and critique ignore feature working
    - Get zip file critiquing working

- **Individual Contributions**

| NAME | Individual Contributions | Hours this Week | Hours Cumulative |
|---|---|---|---|
| James Joseph | Fixing bugs in the code | 5 | 33 |
| Samuel Lickteig | Working on fixing personal bugs with xml generation<br>Api changes | 5 | 27 |
| Alix Noble | Working on instructor feedback page | 4 | 19 |
| Andrew Sand | Brushed up on Regex and wrote stuff | 3 | 25 |

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|---|---|---|---|
| | for the website | | |
| Owen Sauser | Working on zip/project upload. | 4 | 20 |

- **Comments and Extended Discussion** (Optional)
  Feel free to discuss non-technical issues related to your project.

- **Plans for the Upcoming Week**
  - James Joseph:
    - Containerize sandbox for added protection and consistency. Ensures anyone running the code will have needed tools
  - Samuel Lickteig:
    - Complete intended api syntax changes
    - Fully fix personal issues and/or get server up to bypass running locally
  - Alix Noble:
    - Continue working on instructor feedback page
    - Look into ways to visualize data/graphs in python/flask
  - Andrew Sand:
    - Update information on the team website (Project overview, add more documents, add member roles)
    - Respond to the ETG email
    - Reach out to a CPR E 2880 Teaching Assistant to begin user requirements gathering
  - Owen Sauser:
    - Continue working on the project and zip upload feature.
    - Get personal info onto the team website.

- **Summary of Weekly Advisor Meeting** (If applicable/optional)
  N/A. Our advisor, Dr. Rover, was not available during this time period, so there was no advisor meeting this week.