Minutes of Meeting 10/03/2024

Project Name: CYBER1-CodeVersion
Client Name: Tashi Stirewalt
Date: Oct 10, 2024
Time: 5:00 PM - 6:00 PM
Location: Microsoft Teams
Attendees: Tashi Stirewalt, Bryan Frederickson, Samantha Brewer

Client Representative: Tashi Stirewalt
Project Team Members: Bryan Frederickson, Samantha Brewer

1. Agenda

Go over progress of Sprint 1 and Project Report, plan out active development going ahead for Sprint 2 onwards.

2. Meeting Summary

Introduction:
Bryan Frederickson and Samantha Brewer are seniors at WSU serving as developers for Tashi Stirewalt for the CYBER1-CodeVersion project.
This project is meant to help signature-based intrusion detection by being able to generate semantic copies of known code, to better identify malicious software that has been changed to avoid detection.

Client's Requirements
The plan for the project is to be a research based development style rather than a single polished deliverable, so multiple different implementations will be tested

Key Discussion Points:
Discussion Point 1: Went over the Project Report's Requirements section.
Discussion Point 2: Potential ideas for the visualization of the program and how to give feedback to the user as semantic clones are being generated.
Discussion Point 3: Went over expectations for Sprint 1 writeup report.
Discussion Point 4: Alternatives or additional graphs to Abstract Syntax Trees such as code property graphs and joern.

Decisions Made:
Agreement on minimum visual GUI necessary for the project and that it is a requirement.

Action Items:
Action Item 1: Plan to implement a visual element to the program and how involved the GUI will be.
Action Item 2: Begin looking into algorithms and graphs more complex than ASTs for down the line.

3. Project Milestones Discussed

Research Issues to be finished and closed by Oct 5, 2024.

4. Next Steps

Begin planning implementation of AST-based algorithm for changing code for Sprint 2.

5. Next Meeting

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