**SWEN90006-Assignment-2 Group Agreement**

Group Number:\_\_\_\_\_\_\_\_\_\_18\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_2023/10/05\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **GOALS:** What are our team goals for this project?  What are the main tasks we need to accomplish and how is responsibility for those tasks divided between team members? |
| **Team Goals:**  **Discover Security Vulnerabilities:** The primary goal is to systematically fuzz-test the TopStream server and discover security vulnerabilities as outlined in the assignment. This includes identifying crashes, hangs, and logic/functional faults that could compromise system security.  **Comprehensive Fuzz Testing:** Aim to achieve thorough coverage of the TopStream server's codebase by crafting effective test cases and inputs to exercise all relevant code paths.  **Documentation:** Create comprehensive documentation of the testing process, findings, and any security vulnerabilities discovered.  **Task Division:**  **1. Fuzz Testing Leader:** take the lead on the actual fuzz testing process.  Setting up and configuring AFLNet for fuzz testing.  Crafting and managing test inputs and cases.  **2. Fuzz Tester:**  Running the fuzzing process and monitoring its progress.  Collecting and organizing results.  **3. Code Analysis and Vulnerability Identification:** responsible for analyzing the results of the fuzz testing and identifying security vulnerabilities. Identifying the root causes of crashes and security issues. Classifying the severity of vulnerabilities.  **4. Documentation and Reporting:** handle documenting the entire testing process and findings. Reviewing crash reports and debugging output. Documenting the identified vulnerabilities, their potential impact, and possible mitigations. |
| **EXPECTATIONS:** What do we expect of one another in regard to attendance at meetings, participation, frequency of communication, the quality of work, etc.? |
| * **Participation and Quality of work**   We are expecting every member to contribute equally to the assignment and provide quality works. The team would hold meetings to discuss how to distribute tasks equally based on the ability of every member and the difficulty of the task. All works would be reviewed to make sure that the overall quality of the project satisfy the criterion.   * **Attend Meetings and Frequency**   All members are expected to at least complete assigned tasks for attending group meetings so that the meetings can focus on the project work instead of rescheduling unfinished tasks. The group meeting would be held twice a week. Specifically, those two meetings would be held on Wednesday and Friday afternoons, Melbourne time via Zoom Meeting. The meeting expectation and meeting details are agreed upon by all members.   * **Notify for Absence**   Since those meeting times are fixed and all team members use WeChat to communicate, if one cannot attend the meeting, that member should inform the rest members in the WeChat group at least one day before the meeting. This notification rule accepts exceptions, short notice due to the emergency is acceptable as long as the rest of the members are acknowledged.   * **Individual Attendance**   All team members should attend the meeting on time. Slightly late can be tolerated (3-5mins). |
| **POLICIES & PROCEDURES:** What rules can we agree on to help us meet our goals and expectations? |
| 1. When the group needs to make a decision, we will adopt group discussion and vote. We follow the principle that the minority is subordinate to the majority. That is, the final decision of the group requires the consent of at least two group members. 2. The report modification is divided into minor modifications and major modifications. Each team member has the right to make minor changes and needs to inform other members at the meeting later. The major modifications need to be jointly decided during group discussions 3. Ensuring Cooperation and Equal Distribution of Tasks 4. All team members should attend the meeting on time. Slightly late can be tolerated (3-5mins). 5. All members should participate in the conversation and discussion and be active during the work meeting. 6. Both parties should present their opinions and reach a reasoned consensus. 7. Temporary meetings can be held due to any unexpected changes or in need of discussion regarding proceeding tasks. Moreover, rescheduling Friday’s meeting is possible. |
| **CONSEQUENCES:** How will we address non-performance in regard to these goals, expectations, policies and procedures? (Such as/including recording in peer self-assessment at end of project) |
| Suppose a group member fails to comply with the group rules without any reason. In that case, his behaviour will be recorded and reported to the teacher after voting by the other three group members, and his grades may be reduced. |

We share these goals and expectations, and agree to these policies, procedures, and consequences.

\_\_\_Tianyi Zhong\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_

Names of each team member, signifying agreement.

\_\_Tian Tan\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_

Names continued.

\_\_\_Tianshu Chu\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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\_\_Zecheng Fan\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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