Team Contract

Team Name: ___Group 2 - GAZHA_____

GOALS: What are our team goals for this project? What do we want to accomplish? What skills do we want to develop or refine?
PROJECT OBJECTIVE: Design and develop a secure management application using Python, accessed via a Command Line Interface (CLI). The primary aim is to create a system capable of secure data handling, enabling authorised users to perform CRUD operations on data according to the application, legitimate user, and hacker requirements.   **SKILL DEVELOPMENT:**   - Strengthen Python programming and secure coding practices, focusing on compliance with GDPR standards.   - Develop and apply an understanding of secure system design patterns, including encryption, authentication, authorisation and event monitoring.   - Implement testing suites, covering unit tests, integration tests, and user acceptance testing, to ensure application robustness and security.   - Gain proficiency with UML modelling and misuse case diagrams to effectively communicate design structure and potential threats.
EXPECTATIONS: What do we expect of one another in regard to attendance at meetings, participation, frequency of communication, the quality of work, etc.?
ATTENDANCE AND PARTICIPATION: - Regular attendance in weekly team meetings.   - Active participation in brainstorming and design sessions   - Each team member will complete at least one peer review, and the whole team will ensure no one's work remains unreviewed Each team member will communicate progress at least once per week through a designated communication platform, and updates or blockers will be reported promptly.   **WORK QUALITY:**   - Follow coding standards as per the team's guidelines, ensuring clarity and consistency across modules.   - Commit to delivering high-quality work, meeting security requirements, and adhering to OOP principles.   - Review and validate the design and documentation of secure management application, ensuring it is aligned with design requirements, particularly for security features like encryption, access control, and event logging.

POLICIES & PROCEDURES: What rules can we agree on to help us meet our goals and expectations, such as preparatory tasks, generating ideas, and evaluating outcomes?
PREPARATORY TASKS: ● Research key security frameworks (OWASP, STRIDE), identify top risks and implement corresponding protections. ● Complete the initial draft of the design document, covering system requirements, security risks, and UML designs. IDEA GENERATION AND EVALUATION: ● Brainstorm potential security risks and application features weekly, incorporating feedback into design improvements. ● Collaboratively assess various design patterns and select the most appropriate ones for the system's security and functional requirements.
ROLES: Which roles do we need in this project and how do we allocate them? Will there be a project lead? Is there a need to rotate roles?
We need the following roles for this project: ● Project Lead: Oversee project planning, coordinate team activities, and ensure milestones are achieved while managing risks. ● Lead Developer: Guide the development process, establish coding standards, and mentor the team to meet technical requirements. ● Quality Assurance Lead: Implement testing strategies to ensure product quality, collaborating with developers to resolve issues. ● Security Specialist: Identify and mitigate security risks, conduct audits, and implement security protocols with a focus on OWASP guidelines. ● Compliance Reviewer: Ensure adherence to GDPR and other regulations, document compliance activities, and advise on necessary policy changes. Roles will be allocated based on individual strengths and interests. If needed, roles can be rotated to ensure all members gain diverse experience.
CONSEQUENCES: How will we address non-performance regarding these goals, expectations, policies and procedures? How do we resolve disagreements?
ADDRESSING NON-PERFORMANCE: ● If any member does not fulfil their role or fails to meet standards, they will be asked to communicate blockers or challenges. ● Members unable to meet expectations will be provided additional support but may face reassignment if no improvement is observed. CONFLICT RESOLUTION: ● Conflicts are to be discussed openly during weekly meetings. If unresolved, mediation will be sought from an assigned member or tutor.

By signing this contract, we confirm that:
- we have participated in formulating these goals, expectations, roles, procedures, and consequences as stated in this contract.
- we agree to abide by the contents of this contract

Andrius Busilas, 27th Oct, 2024

Team member name and date

Anda Ziemele, 27th Oct, 2024

Team member name and date

George Koridze, 27th Oct, 2024

Team member name and date

Zukiswa Tuso, 28th Oct, 2024

Team member name and date

Oi Lam Helen Siu, 28th Oct, 2024

Team member name and date