Meeting 1:

13/03/2023 (GMT+7)

16:00 – Celine & Lee join

16:13 – Kwan joins

16:14 – Technical difficulties

16:25 – Discussion about which prompt to choose form assignment 1

- NASA is chosen

16:28 – We will create a google doc

16:37 – Team Contract (Goals)

16:44 – Team Contract (Expectations)

16:49 – Team Contract (Policies & Procedures)

17:18 – Team Contact completed and signed

17:19 – End of meeting

Meeting 2:

20/03/2023 (Times recorded in GMT+11)

22:07 Meeting commences

22:12 Design Doc application requirements / success criteria

- Privacy & Security compliance: GDPR, STRIDE, OWASP etc.
- Minimise attack surface: Mitre Att&ck
- Investigate further:
    - Monolithic: Coupling
        - Design decisions: encryption algorithm, approach on storage & databases, security and frameworks (layer, injection defence), security challenges
    - Domain: Data, resources
        - Local, remote storage
        - CPU capacity
        - Tools, libraries, models
        - CRUD

22:20 NASA employee database - consider scalability

- Create UMLs after investigation: Sequence diagram
- Pen testing: Burp suite

22:40 List of action items to be delegated and regroup for next meeting

- Lee: [ASAP] Email tutor (CC us) to assess appropriateness of our idea on NASA employee repository
    - Follow up: arrange official team-tutor meeting before submission
- Lee
    - Create Activity + Use Case (chained attacks) + Sequence (input sanitisation, e.g. API, database) Diagrams
    - STRIDE Framework + potential mitigations
    - Identify security risks/vulnerabilities
    - Source code, penetration testing tools
    - System requirements & assumptions + background info
- Kwan
    - Create Sequence Diagram (database attack, e.g. injection)
    - OWASP Framework + potential mitigation + background info
        - List of attacks on database
- Celine
    - Create Class Diagram (NASA employee system)
- Tools for development and unit/integration testing, Python libraries, models (looking into monolithic design patterns, chain of events) + background infoAll: Find relevant background information + academic literature + references related to NASA employee repositories