**Student Name: Dan Chen Weight: 10%**

**Student ID: 000913063** **Marks:** **/23**

* 1. What is your security recommendation? Why did you choose it?

We recommend implementing Authentication because our app requires users to log in to access key features. Using Stateless Authentication ensures secure communication with the backend API while maintaining scalability and efficiency.

* 1. Who does the recommendation benefit (end-user, developer, etc.)?

This benefits both end-users, by ensuring their data is protected, and developers, by simplifying token-based session management.

* 1. When would the recommendation have to be implemented (based on how serious the security risk is)?

The recommendation should be implemented early in development to mitigate risks associated with unauthorized access and protect user data from the start.

* 1. Why do you think your project needs your recommendation?

Authentication is critical for securing sensitive operations and maintaining user trust. Without it, the app would be vulnerable to unauthorized access and data breaches.

* 1. How do you think your recommendation could be applied?

Authentication can be applied by using JWT (JSON Web Tokens) for stateless sessions, with proper token validation and expiration. This ensures secure and efficient user management.

* + 1. How feasible would the implementation be?

The implementation is highly feasible, as many libraries and frameworks provide built-in support for authentication, reducing development complexity.