SOFTENG 364: Assignment #2

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Reflection on Security

Currently, our system has not had any thought put into it about security. Therefore, it is vulnerable to many attacks and manipulation.

There is no encryption of the messages. Therefore, an attacker could read these messages and find out sensitive information. No authentication occurs between the sender and receiver drones. An attacker could easily spoof their identity and act as one or many of the drones. Message integrity has not been established or checked in our system. Therefore, these drones are vulnerable to replay attacks, and will not detect any corrupted/altered messages. The storage of files on local drive without any encryption is suspect. A hacker could find what the initial costs and forwarding table are or manipulate them.