**Secure Software Development Team Project**

**Meeting Notes**

SecureSpace

**Date:** 28/05/2023

**Time:** 02:00 PM BST

**Location:** Online, Google Meet

**Attendees:**

* Rachel Doherty
* Tomas Mestanza
* Michael Sammueller
* Dr. Cathryn Peoples (Tutor)

**Research, Data & Brainstorming**

*The team discussed libraries and external tools, databases, sensors, the design document, and classes.*

* System functionality
* Roles in the system (Astronaut, Admin, Superadmin)
* Admin would be in charge of the astronauts on their mission and be able to approve changes (data deletion etc.)
* Superadmin would be able to create user accounts, assign roles and privileges, as well as run SQL queries.
* Temperature/Radiation Sensor sending data to the application to demonstrate threading and concurrency. (Dr. Peoples suggested that this data would not necessarily have to be stored.)
* The team still wants to use SQLite3, but we are aware that we may need to use a different database if certain features are added (e.g. concurrent users)

**Decisions**

*The team preliminarily agreed to the following (pending approval/vote from Brad):*

* We will implement sensors (temperature/radiation) to demonstrate threading and concurrency, as suggested by Dr. Peoples.
* The system roles will be Astronaut, Admin (Observer/Moderator), and Superadmin.
* We will add a Sensor, Role, and Permission Class to the diagram.
* Superadmins will issue user accounts with a temporary password, which will have to be changed upon initial login.
* The system will be built with a microservice architecture in mind, so parts of the program can be altered without affecting the overall system.
* We will use bcrypt (as recommended by OWASP), although NASA demands NSA-approved algorithms (as approved by Dr. Peoples, the reasoning being that NSA data is currently behind a paywall.)
* We will map our project against OWASP requirements
* Meetings will be recorded from now on via screen record, as it is valuable ePortfolio evidence (as recommended by Dr. Peoples).

**Actions**

*The team agreed to the following action(s). These actions shall be completed in preparation for the next meeting.*

* The team will continue to collaborate on the Classes, Attributes, and Methods.
* The team will research whether SQLite3 databases can be encrypted.
* All existing UML diagrams will be updated.

**Next Meeting:** The next meeting is scheduled for the 4th of June at 02:00 PM BST. There may be an additional meeting on Friday, the 2nd of June, to work on the final draft of the design document.