Security Document Module #1 Part B

How we are going to make sure the system is secure and safe is using a few different methods. The first method that we are going to implement is login form that will be directly linked with our database, this will boost security by allowing everyone to have their own accounts. With this we are going to restrict simple passwords and force passwords that have a certain length and contain symbols, as well as some error handling that will make it so there are no duplicate usernames.

The data that is the most sensitive are going to be the things such as the users name and passwords, and things that relate directly to the user. How we are going to up the security here is by encrypting the username and passwords in the database once they are created

The specific technologies that we will be using for protection will be HTTPS and an SSL certification. And then for the passwords we are going to use the hashing built into MySQL or software called argon2 / SHA-256.

From this we are going to do some vulnerability testing using SAST scans. Which analyses source code and checks for vulnerabilities.