Hyperion Tech

Group members:

Ashir Butt, u20422475
Jaimen Govender, u20464348
Priyul Mahabeer, u20421169
Dharshan Pillay, u19027487
Edwin Sen-Hong Chang, u20424575

How has our team achieved secure software development for our capstone project?

Our team, Hyperion Tech, has achieved secure software development for our capstone project by making use of Role based user authentication. All users may have one or more roles. When a user logs into the system, then a JWT token is created which is then stored securely in local storage. Now, everytime a user needs to perform some sort of action or make some sort of request to any of the services, we send their JWT token in the authentication header. The service will then decrypt the token and ensure that the user making the request has the necessary role for that specific request. By doing this, we ensure that only users with certain permissions may access functions and data that they should be allowed to access.