

Summary

Test	Why?	Used methods	Result
Post method to signup the user for user creation test	To test there is not duplicate users, check the correctness of user credentials	Mocha, Chai tools are used, Test cases for the failure.	Only the users with unique and valid credentials can sign up
Put and get methods to check sensor reading records	To catch if sensors are defected, functionality of the recording data and the validity of the data	Mocha, Chai tools are used, Test cases for update	Only the valid sensor data is stored , guarantee the quality of the sensors
Get method to get admin singup data	To check the user roles, redirections	Mocha, Chai tools are used, Test case for redirection	Only the admin can get the signup data, redirection to the adminSignup view
Post method to log as a user	To check the authentication with password,	Mocha, Chai tools are used, Test case for the successfull login	Any user with different roles can log by giving correct credentials.
Pen test	To identify vulnerabilities	Kali linux tools	Exposed directories and OS, Server information was secured