

Test number	Test type	What tested	Importance	Way of test done	results and findings
1	Unit testing	<p>Middleware :</p> <p>Post method for user logging</p> <p>Correctness of the user name was tested</p>	<p>Someone can enter any password and can enter to the system using several bruteforce checkings.</p> <p>Our system always gives security for the incorrect user names.</p>	<p>Using mocha,chai,supertest Tools</p> <p>Incorrect user names were given as json objects and system gives correct outputs as we expected.</p>	<p>What we expected was given and sometimes expectation and output was differ and using those tools able to identify the code statements needed to be modified.</p>
2	Unit testing	<p>Middleware :</p> <p>Post method for user logging</p> <p>Correctness of the user password was tested</p>	<p>Using bruteforcing someone can enter the correct password.</p> <p>System works corrently for the password issues.</p>	<p>Using mocha,chai,supertest Tools</p> <p>Incorrect passwords were given as json objects and system gives correct outputs as we expected.</p> <p>Here password formats and other types were changed and tested and system worked correctly.</p>	<p>What we expected was given and sometimes expectation and output was differ and using those tools able to identify the code statements needed to be modified.</p>
3	Unit testing	<p>Middleware :</p> <p>Get method for admin authentication</p>	<p>By changing admin usernames and passwords</p> <p>System gave authentication fails warning correctly</p>	<p>Using mocha,chai,supertest Tools</p> <p>Incorrect passwords and admin names were given as json objects and system gives correct outputs as we expected.</p> <p>Here password formats and other types were changed and tested and system worked correctly.</p>	<p>What we expected was given and sometimes expectation and output was differ and using those tools able to identify the code statements needed to be modified.</p>
4	Unit testing	<p>Middleware :</p> <p>Get method for user details cheking after logged as an admin</p>	<p>Giving different usernames try to get user details. Have to have authenticate the admin correctly otherwise this didn't work. Have to have correct tokens.</p>	<p>Try to acces user details without logging as admin system gives authentication fails warnings. Tried different tokens gave authentication fails.</p>	<p>Expected was given and sometimes expectation and output was differ and using those tools able to identify the code statements needed to be modified.</p>

5	Unit testing	Middleware : Post method for user logging Check correctness of tokens	System generate unique tokens and it is the one responsible for activities done on the server after logging. If someone can cheat then security fails.	Change the tokens and try different aspects in the web and try do things inside the web	Gives authentication fails warnings and some functionalities were accessed so were able to identify them.
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