

COMP-SCI 5551 Advanced Software Engineering Assignment 8 Solution

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I've extended the application developed in assignment 6 to implement the REST API service of mongo db. The application will have a login page. The user enters the login details and the application validates the input.

I've implemented the application in Webstorm IDE using Karma and Jasmine.

Dashboard

LOG IN

Log in

Login screen of the application

I've created 3 test cases to validate the username and password fields. Out of 3 test cases, I made two test cases to be successful and one to be failure.

The screenshot shows a web browser window displaying a web application. The address bar shows the URL "http://localhost:3000/". The page content includes a login form with fields for "username" and "password", and a "login" button. Below the form, there is a message "Invalid username or password". The bottom of the browser window shows a test runner interface, likely Jest, with a progress bar and a list of test results. The test results show that the "login" function is working correctly, with a message "login: 2 of 2 tests done, 1 failed, 1 passed".

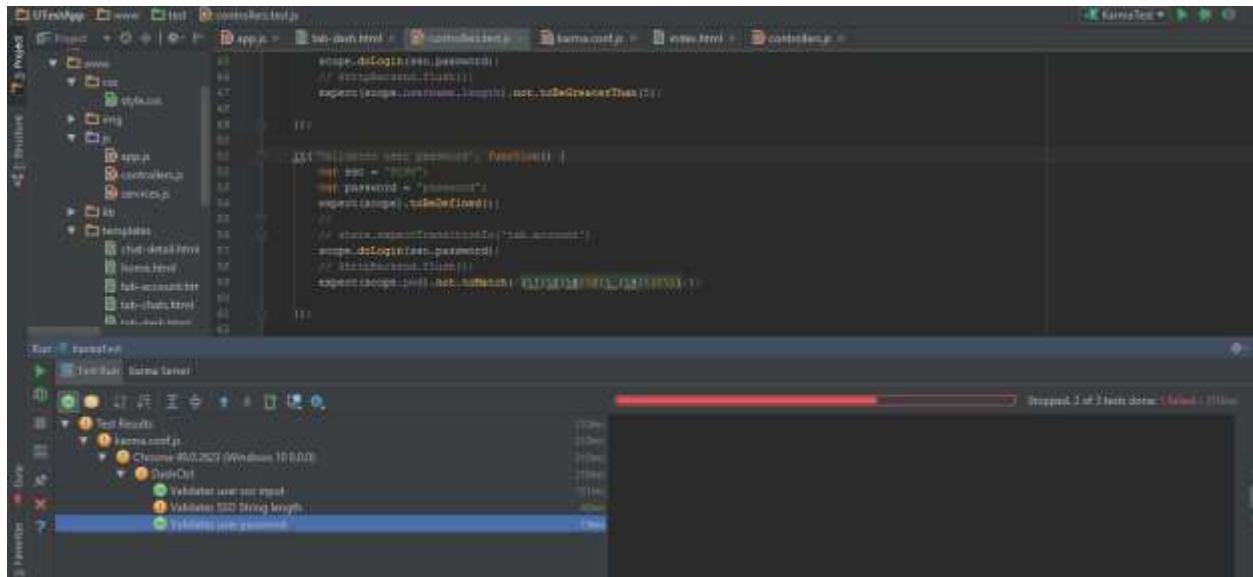
Success scenario of username validation

Input username is "SC9V9sdfs" which is of length 9. So this test case failed.

[illegible]

Failure scenario of username field length validation

In the third test case, I've validated the password field to check whether it contains any special characters or not.



Success scenario of password field not to contain any special characters