TESTING ASSIGNMENT – 1

Scenario Background:

You are a testing engineer at QualitySolutions, a software testing company. The company has recently been contracted to test a new e-commerce platform, "ShopEase." Your role is crucial in ensuring the platform's reliability and functionality.

Problem Statement1: White Box Testing (Duration: 30 minutes):

Conduct white box testing on the authentication module of the ShopEase platform. Dive into the codebase, identify potential vulnerabilities, and design test cases to ensure the security and robustness of the authentication process.

Learning Outcomes:

• Apply white box testing techniques to uncover internal code vulnerabilities.

• Develop test cases to strengthen the security of software components.

white box testing on the authentication module. Designing testcases:

Testcase-id	Description	Expected result
i.	Submitting the login form without entering the required details.	The button should not perform any action.
ii.	Submitting the login form with the invalid details.	Should display, invalid username and password. And the cursor should point in the username field.
iii.	Submitting the login form entering the valid details.	The user must redirect to the homepage
iv.	New user tries to login before registration	The user must be informed to registered first.
v.	Old user is trying to register as a new user.	Display a Message informing user to login instead of registering as new user.
vi.	User tries to login after exceeding the maximum number of allowed login attempts.	The system should lock the account or show a message indicating too many failed attempts and prompt for a reset or unlock.