

TESTING ASSIGNMENT – 2

Skill Description: Apply testing and verification concepts in real-world scenarios, gaining hands-on experience in white box testing, black box testing, integration testing, and understanding the nuances of verification vs. validation.

Through the context of developing ShopTech Pro, students will enhance their practical skills in software quality assurance.

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 Statement 2: Black Box Testing (Duration: 30 minutes):

Perform black box testing on the checkout process of ShopEase. Focus on user interactions and the overall user experience. Identify potential usability issues, and design test cases to ensure a seamless and user-friendly checkout experience.

Learning Outcomes:

- Apply black box testing to assess software functionality from a user's perspective.
- Identify and address potential usability issues in the software.

Conclusion:

This assignment immerses students in the role of a testing engineer, allowing them to practically apply testing and verification concepts within the context of testing an ecommerce platform. Adjustments can be made based on the course requirements and preferences.

Black box testing on the checkout experience. Designing testcases:

Testcase ID	Description	Expected Result
1.	User adds a product to the cart and proceeds to checkout without being logged in.	The system should prompt the user to log in or create an account.
2.	User adds a product to the cart and proceeds to checkout after logging in.	The system should allow the user to proceed to the payment options.
3.	User enters invalid payment details (e.g., wrong card number or expired card).	The system should display an error message, prompting the user to enter valid payment details.
4.	User enters valid payment details but insufficient funds or failed transaction.	The system should display a failure message, offering options to retry or choose a different payment method.
5.	User tries to complete the checkout with an empty shipping address.	The system should prompt the user to provide a valid shipping address before proceeding.
6.	User selects an incorrect shipping method (e.g., choosing international shipping when the delivery is only local).	The system should either block the invalid option or show a warning message.