CASE STUDY

TEST PLAN (Shopify Mart)

Q) Enhancing E-Commerce Checkout Process.

* Introduction

The objective of this case study is to develop and execute a Comprehensive test plan for enhancing the checkout process of an e-commerce mebsite. The primary goal is to optimize the user experience, increase conversion rates, and ensure a seamless transaction process for customers. This care study focuses on a hypothetical e-commerce website called "Shopify"

* Background
Shopify Mart is a popular online marketplace that
Sells a wide kange of products. Despite its success
the website has received feedback regarding
Certain issues during the cheekout process. Users
have reported cart abandonment, payment gateway
evors, and difficulty in navigating the chercout
flow. To address these concerns, the development
team at Shopify Mart; has initiated a project to
enhance the cheekout process.

The Key objectives are as follows:
1) Identify and restify any usability issues within the checkout process
2) Verify the compatibility of the mebsite with various browsers and devices
3) Validate the functionality of third party payment galeways
4) Ensure data Security and encryption during transactions.
5) Evaluate the overall performance and

Lesponsiveness of the cheikout process.

1) Adding items to the shopping cast. 2) Entering customer details and slipping Information 3) selecting a payment method and completing the 4) Handling evor Scenarios and providing appropriate eur messages. 5) Integration Testing with third party payment geteways * lest Emissonment Selip l'répare test Environments with différent brousers devices and payment galeways for comprehensive testing coverage. * lest Execution Execute test cases and record results, Including defects and observations. * Defect Management log and traile defeits using a suitable defeit trailing tool. Prioritize and resolve identified issues. * lest case Design Create test cases to cover all possible Scenarios

* Test Metrics 1) Conversion Rate: The 1/1 of users who successfully complete a transaction 2) Cart Abandonment rate: The / of users who add item to the cast but do not complete the puchase 3) Response Time: The time taken for each step In the checkout process. 4) Error Rate: The no. of errors encountered during the checkout process-* Risk and Mitigation 1) Risk: Incompatibility with specific devices and promsers. Mitigation: Conduct extensive cross - browser and cross device testing to ensure compatibility 2) Risk: Insufficient third party payment gateway integration Mitigation: Collabrate with payment gateway providers and conduct thorough Integration testing 3) Risk: Data Security Vulnerabilities Mitigation: Conduct a Security audit and ensure compliance with industry standard eneryption protocols.

* lest Reporting / Deliverables Generali comprehensive reports with detailed findings, test coverage and recommendations for Improvements.

* lest Schedule

1) Test Environment Setup: 2 days 2) Test case Design: - 3 days

3) Test Execution :- 5 days

4) Defeit Management: - Ongoing throughout the testing phase

Test Reporting: - 1 day

* Condusion

This case study demonstrates the development and execution of a test plan to enhance the checkout process of an e-commerce wilbsite. By addressing usability issues, ensuring compatibility and verifying the functionality of payment gateways. The aim is to provide a seamless and secure checkout experience for customers- the success of this test plan will ultimately lead to improved conversion rates and customer Satisfaction for Shopify Mart.