<u>**REMITA-PRACTICAL**</u>

2.) **E-commerce Check Out Process**

A) **High Level Strategy**

    OBJECTIVES:

- ➢ Ensure the functionality of the entire checkout process is error-free.
- ➢ Verify the usability and user-friendliness of the checkout flow.
- ➢ Validate the security measures to protect user data and financial transactions.
- ➢ Check compatibility with various browsers and devices
- ➢ Ensure the integration of third-party payment gateways, if any

    <u>**Environments**</u>

- ➢ Test on different browsers (Chrome, Firefox, Safari, etc.).
- ➢ Test on various devices (desktop, mobile, tablet).
- ➢ Test on different operating systems (Windows, macOS, Android, Ios).

    <u>**Testing Types:**</u>

- ➢ Usability Testing: Evaluate the user experience during the checkout process Functional Testing: Ensure all features work as intended.
- ➢ Security Testing: Identify and fix vulnerabilities in payment and data handling.
- ➢ Compatibility Testing: Confirm the website works across different environments.
- ➢ Performance Testing: Assess the speed and responsiveness of the checkout process.

(B) <u>Critical Test Scenarios:</u>

Positive Test Cases:

Add a product to the cart and successfully complete the checkout process.

Use different valid payment methods (Debit card, transfer) to finalize the purchase.

Save shipping information for future orders.

Apply a valid discount code during checkout.

Confirm the order and receive a confirmation email.

Negative Test Cases:

Attempt to checkout without adding any items to the cart.

Enter invalid payment information and ensure appropriate error messages are displayed.

Try to use an expired or invalid discount code.

Intentionally provide incorrect shipping information and check the system response

Attempt to complete the purchase on an unsupported browser or device

Test Case

Preconditions:

User is logged in.
Products are added to the cart.

Test Steps:

Navigate to the shopping cart.
Verify that all selected products are listed correctly with the correct quantity.
Click on the "Proceed to Checkout" button.
Enter valid shipping information (name, address, contact details).
Choose a valid payment method (e.g., credit card).
Enter valid payment details (credit card number, expiration date, CVV).
Confirm the order details, including product names, quantities, and total amount.
Click on the "Place Order" or "Complete Purchase" button.
Verify that the order confirmation page is displayed.
Check for the order confirmation email in the registered email account.

Expected Results:

All product details and quantities are accurate on the checkout pages.
The payment process is successful without errors.
The order confirmation page is displayed, indicating a successful purchase.
An order confirmation email is received promptly.

Test Data:

Valid user credentials for login.
Valid products added to the cart.
Valid shipping information.

Valid credit card details for payment.