

## Test Plan for Checkout Process in WooCommerce

### 1. Guest Checkout (Without Login)

- **Test Case 1.1:** Navigate to the **Cart Page** and proceed to **Checkout** as a **Guest**.
  - Verify the Checkout Fields: Billing address, shipping address (if applicable), email, and phone number.
  - Test Scenarios: Valid data, invalid data (e.g., incorrect email format).
- **Test Case 1.2:** Choose different **Shipping Methods** (if configured).
  - Verify shipping cost calculations.
  - Test Scenarios: Free shipping, flat rate, and table rate.
- **Test Case 1.3:** Select **Different Payment Methods** available (e.g., PayPal, Credit Card, or Bank Transfer).
  - Verify payment method selection.
  - Test Scenarios: Successful payment, payment failure (simulate with test payment gateways if available).
- **Test Case 1.4:** Apply a Coupon Code (if available).
  - Verify the discount is applied correctly.
  - Test Scenarios: Valid coupon code, invalid coupon code.

### 2. Registered User Checkout

- **Test Case 2.1:** Log in with **Existing User Credentials** and proceed to **Checkout**.
  - Verify user details are pre-filled (billing address, email, and phone).
  - Test Scenarios: Correct user details, incorrect password, account locked.
- **Test Case 2.2:** Edit and save **Billing and Shipping** addresses during **Checkout**.
  - Verify changes reflect correctly in the order.
- **Test Case 2.3:** Select **Different Payment Methods** and verify the process.
  - Test Scenarios: Saved payment methods, new payment method addition.

### 3. Payment Method Selection

- **Test Case 3.1:** Test each available **Payment Method** thoroughly.
  - Verify payment gateway integration.
  - Test Scenarios: Successful payment, payment errors, timeout handling.

### 4. Applying Coupon Codes

- **Test Case 4.1:** Apply various types of **Coupon Codes** (percentage discount, fixed amount discount).
  - Verify correct calculation of discounts.
  - Test Scenarios: Coupon expiration, minimum purchase amount.

### 5. Order Scenarios

- **Test Case 5.1:** Place an **Order** with a mix of **Taxable and Non-Taxable** items.
  - Verify tax calculation based on shipping address.
  - Test Scenarios: Different tax rates, tax exemptions.
- **Test Case 5.2:** Place an **Order** that qualifies for **Free Shipping**.
  - Verify shipping cost is correctly calculated (free).
- **Test Case 5.3:** Place an **Order** with **Backordered** items (if applicable).
  - Verify order confirmation and expected delivery dates.

### 6. Potential Issues

- **Issue 6.1:** Session timeouts during checkout process.
- **Issue 6.2:** Incorrect tax calculations based on shipping address.
- **Issue 6.3:** Payment gateway errors or downtime.
- **Issue 6.4:** Coupon codes not applying correctly.
- **Issue 6.5:** User interface glitches (e.g., fields not updating properly).

**Test Data and Environment Setup**

- Use test products with different attributes (sizes, colors).
- Use different billing and shipping addresses for testing address validation.
- Use sandbox environments for payment gateway testing.

**Documentation**

- Document all test cases, including expected results and observed outcomes.
- Include screenshots or videos of critical steps (e.g., error messages, successful payment screens).