**Assignment for Quality Assurance Engineer at WPPOOL**

1. Install WordPress on your [local](https://www.google.com/url?q=https://localwp.com/help-docs/getting-started/installing-local/&sa=D&source=editors&ust=1726060033607753&usg=AOvVaw02E6yHNSYJN9lytLpM5Ng9) machine and set up [WooCommerce](https://www.google.com/url?q=https://wordpress.org/plugins/woocommerce/&sa=D&source=editors&ust=1726060033608189&usg=AOvVaw1X5V7oazqpZP_Yia7hyNEa). Then, create a comprehensive test plan for the "Checkout Process." Your plan should cover test cases such as guest checkout(without login), registered user checkout, payment method selection, and applying coupon codes. Include test data for different order scenarios, like free shipping and tax calculations. Identify any potential issues that may arise during the checkout process. Be sure to include screenshots or videos of your observations.

### Ans:

### 1. Install WordPress and Set Up WooCommerce

**Steps to Install WordPress:**

1. **Install a Local Server Environment:**
   * Download and install a local server environment (XAMPP).
   * Start Apache and MySQL services.
2. **Download WordPress:**
   * Download the latest version (6.6.2) of WordPress from the official website.
   * Extract the WordPress files into the htdocs (XAMPP).
3. **Create a Database:**
   * Open phpMyAdmin and create a new database for WordPress installation.
4. **Configure WordPress:**
   * Go to <http://localhost/wordpress/> in any browser.
5. **Complete the Installation:**
   * Once configured, access the WordPress dashboard.

**Steps to Set Up WooCommerce:**

1. **Install WooCommerce Plugin:**
   * From the WordPress dashboard, go to Plugins > Add New Plugin.
   * Search for "WooCommerce" and install the plugin.
   * Activate the plugin after installation.
2. **WooCommerce Setup Wizard:**
   * Follow the setup wizard to configure basic WooCommerce settings, including currency, payment methods, and shipping.

**2. Create a Comprehensive Test Plan for the "Checkout Process"**

**Test Plan Outline:**

1. **Introduction:**
   * Objective: Ensure WooCommerce's checkout process runs well in various scenarios.
   * Scope: Checkout options include registered user, payment method, coupon codes, free shipping, and tax calculations.
2. **Test Scenarios and Test Cases:**

**Scenario 1: Guest Checkout (without login)**

* + TC1.1: Add a product to the cart and proceed to checkout as a guest (<http://localhost/wordpress/shop/> ).
  + TC1.2: Enter valid billing and shipping information.
  + TC1.3: Select a payment method and complete the purchase.
  + **Expected Result:** The order is successfully placed without requiring user login.

**Scenario 2: Registered User Checkout**

* + TC2.1: Log in as a registered user.
  + TC2.2: Add a product to the cart and proceed to checkout.
  + TC2.3: Verify pre-filled billing and shipping information.
  + TC2.4: Select a payment method and complete the purchase.
  + **Expected Result:** The order is successfully placed with user information automatically filled in.

**Scenario 3: Payment Method Selection**

* + TC3.1: Test with different payment methods (bank transfer, cash on delivery).
  + TC3.2: Attempt to checkout with an invalid payment method.
  + **Expected Result:** The system should process valid payment methods and reject invalid ones.

**Scenario 4: Applying Coupon Codes**

* + TC4.1: Apply a valid coupon code during checkout (HAPPY2024).
  + TC4.2: Apply an expired or invalid coupon code (HAPPY2023).
  + **Expected Result:** The system should apply valid coupons and reject expired/invalid coupon.

**Scenario 5: Order Scenarios**

* + TC5.1: Place an order with free shipping.
  + TC5.2: Place an order that requires shipping charges.
  + TC5.3: Verify tax calculations for different regions.
  + **Expected Result:** Shipping charges and taxes are calculated correctly based on the order scenario.

1. **Test Data:**
   * **Guest User:**
     + Billing: Tahsin Rakib, Dhaka, Bangladesh
     + Shipping: Free shipping.
   * **Registered User:**
     + Username: rakib
     + Password: 12345
     + Billing/Shipping: Sagor ahmed, Sirajganj, Dhaka, Bangladesh / Free shipping
   * **Coupon Codes:**
     + Valid Coupon: HAPPY2024 (50% off)
     + Invalid Coupon: HAPPY2023
   * **Payment Methods:**
     + Credit Card: Valid and invalid card numbers.
     + Bank Transfer:
   * **Order Scenarios:**
     + Free Shipping: Hp Probook 450 g5 (free shipping).
     + Shipping Required: Retro Glass Jug (330 ml) (shipping charges).
     + Tax Calculation: Region-specific tax scenarios.
2. **Test Execution:**
   * Execute the above test cases.
   * Capture screenshots or videos for each scenario.
3. **Conclusion:**
   * Summary of test results.

**3. Screenshots and Videos:**

1. **Videos:**
   * Guest Checkout(without login): <https://www.awesomescreenshot.com/video/31544526?key=f160589a74fdf5f1b9a296ab0b36ecb5>
   * Registered user checkout: <https://www.awesomescreenshot.com/video/31545058?key=4f1fca66ee9a08ee183f2939fc268a77>
2. **Screenshots:**
   * Orders:
     1. <https://tinyurl.com/2y9z9hs2>
     2. <https://tinyurl.com/27al6bsy>
3. Create an Automation test suite *(Based on below mentioned scenarios)* and share the GitHub public repo link *(Including README.md that describes everything on how to run the test suite & requirements)* – You can use your preferred programming language.

### Ans: