



Assignment for Quality Assurance Engineer at WPPOOL

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TEST PLAN FOR WOOCOMMERCE CHECKOUT PROCESS

INTRODUCTION

Objective: The main objective of this test plan is to ensure the checkout process on the **WooCommerce Test Site** functions smoothly for both guest and registered users. This includes verifying the accuracy and usability of key elements such as payment method selection, coupon application, shipping options, and tax calculations, to provide a seamless purchasing experience.

Scope: The test plan focuses on the functionality, usability, and reliability of the WooCommerce checkout process.

TEST ENVIRONMENT

- **Platform:** WordPress (version 6.6.2) with WooCommerce plugin (version 9.2.3).
- **Browser(s):** Chrome
- **Test Data:** Fake users, coupon codes, shipping methods, and tax details
- **Payment Methods:** COD, Direct Bank Transfer, etc.

TEST SCENARIO

Project Name	WooCommerce Test Site (Checkout Process)	
Created By	Fairuz Sharika Tasnim	
Creation Date	14-09-2024	
Test Scenario ID	Test Scenario Description	Number of Test Cases
TS_001	Validate Navigating to Checkout Page	
TS_002	Guest Checkout (Without Login)	
TS_003	Registered User Checkout	
TS_004	Payment Methods	
TS_005	Coupon Codes	
TS_006	Tax and Shipping Calculations	
TS_007	Validate Text fields	
TS_008	Validate UI	

TEST CASES

Test Case ID	Test Scenario ID	Test Scenario Description	Test Case Title	Pre-requisites	Test Steps	Expected Result
TC_001	TS_001	Validate Navigating to Checkout Page	Validate navigating to Checkout page when there are no products added to the Shopping Cart	Open the Application URL and ensure there are no products added to the Shopping Cart	1. Click on 'Checkout' header option	User should be taken to an empty 'Shopping Cart' page instead of 'Checkout' page
TC_002	TS_001	Validate Navigating to Checkout Page	Validate navigating to Checkout page from 'Cart' page	Open the Application URL	1. Select any product from the 'Home' page and click the 'add to cart' option 2. Click on the 'cart' link from the navigation bar. 3. Click on 'Checkout' button in the 'Shopping Cart' page	User should be taken to the checkout page
TC_003	TS_001	Validate Navigating to Checkout Page	Validate navigating to Checkout page using 'Cart' header option	Open the Application URL and a product is added to the cart	1. Click on 'Checkout' header option	User should be taken to the checkout page

TC_004	TS_001	Validate Navigating to Checkout Page	Validate navigating to Checkout page using 'Cart' header option	Open the Application URL and a product is added to the cart	1. Click on Cart button which is displayed in black color on the top of the page beside the search icon button 2. Click on 'Checkout' option in the displayed Cart block	User should be taken to the checkout page
TC_005	TS_002	Guest Checkout (Without Login)	Validate guest can Checkout without login	Open the Application URL and don't login	1. Add products to cart 2. Proceed to checkout 3. Enter guest details 4. Complete payment 5. Confirm order	Guest should be able to complete the checkout without logging in
TC_006	TS_002	Guest Checkout (Without Login)	Validate shipping cost calculation during guest checkout	Open the Application URL and don't login	1. Add product 2. Enter a shipping address 3. Verify shipping cost is calculated correctly based on address	Shipping costs should be accurate and displayed
TC_007	TS_002	Guest Checkout (Without Login)	Guest Checkout with Different Billing and Shipping Address	Open the Application URL and don't login	1. Open website. 2. Add items to cart. 3. Proceed to checkout. 4. Enter different billing and shipping addresses. 5. Select shipping method. 6. Choose payment method and place order.	Guest user completes purchase with different addresses.

TC_008	TS_003	Registered User Checkout	Registered User Checkout - Correct Credentials	Open the Application URL, Registered user account exists and a product is added to the cart	1. Log in to the website with valid credentials. 2. Add items to cart. 3. Proceed to checkout. 4. Verify saved billing/shipping details are displayed. 5. Complete the order.	The order is successfully placed
TC_009	TS_003	Registered User Checkout	Registered User Checkout - Incorrect Credentials	Registered user account exists	1. Attempt to log in with incorrect credentials.	System displays an error message, preventing the user from proceeding with incorrect credentials.
TC_010	TS_003	Registered User Checkout	Registered User Checkout - Order History	Registered user account exists, previous orders available	1. Log in to the website. 2. Add items to cart. 3. Proceed to checkout and complete the order. 4. Navigate to "My Account" section. 5. View order history.	Order history shows the correct details of the completed order in the "My Account" section.
TC_011	TS_003	Registered User Checkout	Validate Checkout as Registered User with Different Billing and Shipping Address	Open the Application URL and login	1. Open website. 2. Add items to cart. 3. Proceed to checkout. 4. Enter different billing and shipping addresses. 5. Select shipping method. 6. Choose payment method. 7. Place order.	Registered user completes purchase with different addresses.

TC_012	TS_004	Payment Methods	Verify that the user can successfully place an order using COD as the payment method.	COD payment method enabled, items in cart	1. Proceed to checkout. 2. Select Cash on Delivery (COD) as the payment method. 3. Complete the order.	Order is successfully placed
TC_013	TS_004	Payment Methods	Verify that the user can successfully place an order using Bank Transfer as the payment method.	Bank Transfer method enabled, items in cart.	1. Proceed to checkout. 2. Select Bank Transfer as the payment method. 3. Complete the order.	Order is successfully placed, and bank transfer details are displayed on the order confirmation page for the user to follow.
TC_014	TS_004	Payment Methods	Verify that the user can change the shipping address when using COD as the payment method	COD payment method enabled, items in cart.	1. Proceed to checkout. 2. Select Cash on Delivery (COD) as the payment method. 3. Change the shipping address. 4. Complete the order.	Order is successfully placed, and the updated shipping address is used when COD is selected.
TC_015	TS_004	Payment Methods	Validate adding comments about your order in the 'Order Notes' section of Checkout page	Open the Application URL, login add item in cart	1. Proceed to checkout. 2. Select any of the payment method. 3. Write instructions or notes in the "Order Notes" Comment box 4. Complete the order.	1. Order should be placed and User should be taken to Success page (Proper details should be displayed in the Order Success page
TC_016	TS_005	Coupon Codes	Verify that the user can successfully apply the coupon code.	DHAK10 coupon created and active, items in cart.	1. Proceed to checkout. 2. Enter the coupon code DHAK10. 3. Apply the coupon.	Coupon code is successfully applied, and the discount is reflected in the order total.

TC_017	TS_005	Coupon Codes	Verify that the system rejects an expired coupon code.	RUK20 coupon expired, items in cart.	1. Proceed to checkout. 2. Enter the expired coupon code RUK20. 3. Apply the coupon.	System displays an error message, indicating that the coupon code is expired and cannot be applied.
TC_018	TS_005	Coupon Codes	Verify that the DHAK10 coupon applies only if the minimum purchase requirement is met.	DHAK10 coupon created with a minimum purchase requirement.	1. Add items to cart below the minimum purchase amount. 2. Proceed to checkout. 3. Enter the coupon code DHAK10. 4. Apply the coupon.	System displays an error message, indicating that the order total does not meet the minimum requirement for the coupon.
TC_019	TS_005	Coupon Codes	Verify that the coupon code cannot be applied to sale items if restricted.	DHAK10 coupon set not to apply on sale items, sale item in cart.	1. Add sale items to the cart. 2. Proceed to checkout. 3. Enter the coupon code DHAK10. 4. Apply the coupon.	System displays an error message, indicating that the coupon code is not applicable to sale items.
TC_020	TS_005	Coupon Codes	Verify that the user can remove an applied coupon code.	DHAK10 coupon created and applied, items in cart.	1. Proceed to checkout. 2. Enter the coupon code DHAK10 and apply it. 3. Remove the applied coupon code from the order summary. 4. Complete order.	Coupon code is successfully removed, and the order total is updated without the discount.
TC_021	TS_005	Coupon Codes	Verify that the system displays an error when an invalid coupon code is entered.	Items in the cart	1. Proceed to checkout. 2. Enter an invalid coupon code. 3. Attempt to apply the coupon.	System displays an error message, indicating that the coupon code is invalid and cannot be applied.

TC_022	TS_006	Tax and Shipping Calculations	Verify Shipping Cost Calculation for Multiple Items	Shipping method configured, multiple items in cart.	1. Add multiple items to cart. 2. Proceed to checkout. 3. Enter a shipping address. 4. Verify the shipping cost for multiple items.	Shipping cost is calculated based on the total weight or dimensions of the items in the cart.
TC_023	TS_006	Tax and Shipping Calculations	Verify Tax Calculation Based on Shipping Address	Tax rules configured by location, items in cart.	1. Add items to cart. 2. Proceed to checkout. 3. Enter a shipping address in a taxable location. 4. Verify the tax calculation in the order summary	Tax is calculated based on the shipping address and displayed in the order summary.
TC_024	TS_006	Tax and Shipping Calculations	Verify Correct Tax Calculation After Applying Coupon	Coupon code created, tax rules configured, items in cart.	1. Add items to cart. 2. Apply a coupon code. 3. Proceed to checkout. 4. Verify the tax calculation after applying the discount.	Tax is calculated on the discounted order total.
TC_025	TS_007	Validate UI and Text fields	Verify Email Field Validation	Open the Application URL, login, items added in the cart	1. Add items to cart. 2. Proceed to checkout. 3. Enter a valid email address. 4. Submit form. 5. Repeat with invalid email (e.g., user@).	Valid email is accepted and form proceeds. Invalid email triggers an error message (e.g., "enter a valid email").
TC_026	TS_007	Validate UI and Text fields	Verify Mandatory Fields	Open the Application URL, login, items added in the cart	1. Add items to cart. 2. Proceed to checkout. 3. Leave mandatory fields (e.g., first name, last name) empty. 4. Submit the form.	Error messages are displayed, prompting the user to fill in all mandatory fields

TC_027	TS_007	Validate UI and Text fields	Validate without entering any fields in the Delivery Details Section of the Checkout Page	Open the Application URL in any supported browser	1. Add items to cart. 2. Proceed to checkout. 3. Don't fill in any field in the delivery details section 4. Submit form.	Proper field level warning messages should be displayed for all the mandatory fields in the Delivery Details section
TC_028	TS_007	Validate UI and Text fields	Validate the UI of 'Checkout' functionality	Open the Application URL in any supported browser	1. Check the UI of the functionality related to 'Checkout'	Proper UI adhering to the UI checklist should be displayed for the 'Checkout' functionality

TEST EXECUTION

Test Case ID	Test Case Title	Test Steps	Test Data	Expected Result	Actual Result	Status	Proof (Video/Screenshot)
TC_001	Validate navigating to Checkout page when there are no products added to the Shopping Cart	1. Click on 'Checkout' header option	N/A	User should be taken to an empty 'Shopping Cart' page instead of 'Checkout' page	User is not taken to the empty cart page rather it goes to the 'Checkout' page which is blank	Failed	LINK

TC_002	Validate navigating to Checkout page from 'Cart' page	<ol style="list-style-type: none"> 1. Select any product from the 'Home' page and click the 'add to cart' option 2. Click on the 'cart' link from the navigation bar. 3. Click on 'Checkout' button in the 'Shopping Cart' page 	Product Name: Hoodie with zipper	User should be taken to the checkout page	User is taken to the "Checkout" page	Passed	LINK
TC_003	Validate navigating to Checkout page using 'Checkout' header option	<ol style="list-style-type: none"> 1. Click on 'Checkout' header option on the navigation bar. 	Product Name: Hoodie with zipper	User should be taken to the checkout page	User is taken to the "Checkout" page	Passed	LINK
TC_004	Validate navigating to Checkout page using 'Cart' header option	<ol style="list-style-type: none"> 1. Click on Cart button which is displayed in black color on the top of the page beside the search icon button 2. Click on 'Checkout' option in the displayed Cart block 	Product Name: Hoodie with zipper	User should be taken to the checkout page	User is taken to the "Checkout" page	Passed	LINK
TC_005	Validate guest can Checkout without login	<ol style="list-style-type: none"> 1. Add products to cart 2. Proceed to checkout 3. Enter guest details 4. Complete payment 5. Confirm order 	Product Name: Hoodie with zipper and Sunglasses	Guest should be able to complete the checkout without logging in	Guest user is able to complete the checkout without logging in	Passed	LINK

TC_006	Validate shipping cost calculation during guest checkout	1. Add product 2. Enter a shipping address 3. Verify shipping cost is calculated correctly based on address	Product Name: Divi Ninja Tee	Shipping costs should be accurate and displayed	Shipping cost was accurate and displayed accurately	Passed	LINK
TC_007	Guest Checkout with Different Billing and Shipping Address	1. Open website. 2. Add items to cart. 3. Proceed to checkout. 4. Enter different billing and shipping addresses. 5. Select shipping method. 6. Choose payment method and place order.	Product Name: Divi Simplified Crop-top	Guest user completes purchase with different addresses.	Guest user was able to complete purchase with different addresses.	Passed	LINK
TC_008	Registered User Checkout - Correct Credentials	1. Log in to the website with valid credentials. 2. Add items to cart. 3. Proceed to checkout. 4. Verify saved billing/shipping details are displayed. 5. Complete the order.	Product Name: Divi Simplified Crop-top Email: fairuznaba03@gmail.com Password: naba2000	The order is successfully placed	The order was successfully placed	Passed	LINK
TC_009	Registered User Checkout - Incorrect Credentials	1. Attempt to log in with incorrect credentials.	Email: fairuznaba03@gmail.com Password: nhba4125	System displays an error message, preventing the user from proceeding with incorrect credentials.	System displayed an error message, preventing the user from proceeding with incorrect credentials.	Passed	LINK

TC_010	Registered User Checkout - Order History	<ol style="list-style-type: none"> 1. Log in to the website. 2. Add items to cart. 3. Proceed to checkout and complete the order. 4. Navigate to "My Account" section. 5. View order history. 	Product Name: Hoodie with zipper	Order history shows the correct details of the completed order in the "My Account" section.	Order history showed the correct details of the completed order in the "My Account" section.	Passed	LINK
TC_011	Validate Checkout as Registered User with Different Billing and Shipping Address	<ol style="list-style-type: none"> 1. Open website. 2. Add items to cart. 3. Proceed to checkout. 4. Enter different billing and shipping addresses. 5. Select shipping method. 6. Choose payment method. 7. Place order. 	Product Name: Divi Ninja Tee Shipping address: gulshan 578/b Dhaka Billing Address: adabor 744/a Dhaka	Registered user completes purchase with different addresses.	Registered user completes purchase with different addresses	Passed	LINK
TC_012	Verify that the user can successfully place an order using COD as the payment method.	<ol style="list-style-type: none"> 1. Proceed to checkout. 2. Select Cash on Delivery (COD) as the payment method. 3. Complete the order. 	Payment method: Cash on Delivery Product Name: Sunglasses	Order is successfully placed	Order was successfully placed	Passed	LINK
TC_013	Verify that the user can successfully place an order using Bank Transfer as the payment method.	<ol style="list-style-type: none"> 1. Proceed to checkout. 2. Select Bank Transfer as the payment method. 3. Complete the order. 	Payment method: Bank Transfer Product Name: Sunglasses	Order is successfully placed, and bank transfer details are displayed on the order confirmation page for the user to follow.	Order was placed, but bank transfer details were not displayed on the order confirmation page for the user to follow.	Failed	LINK
TC_014	Verify that the user can change the shipping address when using COD as the payment method	<ol style="list-style-type: none"> 1. Proceed to checkout. 2. Select Cash on Delivery as the payment method. 3. Change the shipping address. 4. Complete the order. 	Shipping address: gulshan 2 508/b Dhaka Billing Address: adabor 744/a Dhaka	Order is successfully placed, and the updated shipping address is used when COD is selected.	Order is successfully placed, and the updated shipping address is used when COD is selected	Passed	LINK

TC_015	Validate adding comments about your order in the 'Order Notes' section of Checkout page	1. Proceed to checkout. 2. Select any of the payment method. 3. Write instructions or notes in the "Order Notes" Comment box 4. Complete the order.	Note: Deliver before 6:00 PM	Order should be placed and User should be taken to Success page (Proper note details should be displayed in the Order Success page)	Order was placed and User was taken to Success page (Proper note details was displayed in the Order Success page)	Passed	LINK
TC_016	Verify that the user can successfully apply the coupon code.	1. Proceed to checkout. 2. Enter the coupon code DHAK10. 3. Apply the coupon.	Coupon Code: DHAK10	Coupon code is successfully applied, and the discount is reflected in the order total.	Coupon code was successfully applied, and the discount is reflected in the order total.	Passed	LINK
TC_017	Verify that the system rejects an expired coupon code.	1. Proceed to checkout. 2. Enter the expired coupon code RUK20. 3. Apply the coupon.	Coupon Code: RUK20	System displays an error message, indicating that the coupon code is expired and cannot be applied.	System displayed an error message, indicating that the coupon code is expired and cannot be applied.	Passed	LINK
TC_018	Verify that the DHAK10 coupon applies only if the minimum purchase requirement is met.	1. Add items to cart below the minimum purchase amount. 2. Proceed to checkout. 3. Enter the coupon code DHAK10. 4. Apply the coupon.	Coupon Code: DHAK10 Minimum Purchase Amount: 50	System displays an error message, indicating that the order total does not meet the minimum requirement for the coupon.	System displayed an error message, indicating that the order total does not meet the minimum requirement for the coupon.	Passed	LINK

TC_019	Verify that the coupon code cannot be applied to sale items if restricted.	1. Add sale items to the cart. 2. Proceed to checkout. 3. Enter the coupon code DHAK10. 4. Apply the coupon.	Coupon Code: DHAK10	System displays an error message, indicating that the coupon code is not applicable to sale items.	System displayed an error message, indicating that the coupon code is not applicable for the particular item	Passed	LINK
TC_020	Verify that the user can remove an applied coupon code.	1. Proceed to checkout. 2. Enter the coupon code DHAK10 and apply it. 3. Remove the applied coupon code from the order summary. 4. Complete order.	Coupon Code: DHAK10	Coupon code is successfully removed, and the order total is updated without the discount.	Coupon code was successfully removed, and the order total is updated without the discount.	Passed	LINK
TC_021	Verify that the system displays an error when an invalid coupon code is entered.	1. Proceed to checkout. 2. Enter an invalid coupon code. 3. Attempt to apply the coupon.	Invalid Coupon Code: TAK20	System displays an error message, indicating that the coupon code is invalid and cannot be applied.	System displayed an error message, indicating that the coupon code is invalid and cannot be applied.	Passed	LINK
TC_022	Verify Tax Calculation Based on Shipping Address	1. Add items to cart. 2. Proceed to checkout. 3. Enter a shipping address in a taxable location. 4. Verify the tax calculation in the order summary	Shipping address: Patna, rampur 13/b Bihar, India Billing Address: adabor 744/a Dhaka	Tax is calculated based on the shipping address and displayed in the order summary.	Tax was calculated based on the shipping address and displayed in the order summary	Passed	LINK
TC_023	Verify Correct Tax Calculation After Applying Coupon	1. Add items to cart. 2. Apply a coupon code. 3. Proceed to checkout. 4. Verify the tax calculation after applying the discount.	Coupon Code: DHAK10	Tax is calculated on the discounted order total.	Tax was calculated on the discounted order total	Passed	LINK

TC_024	Verify Email Field Validation	1. Add items to cart. 2. Proceed to checkout. 3. Enter a invalid email address. 4. Submit form. 5. Repeat with valid email and successfully submit form	Invalid email: abc@ Valid email: abc@gmail.com	Valid email is accepted and form proceeds. Invalid email triggers an error message (e.g., "enter a valid email").	Valid email was accepted and form proceeded. Invalid email triggered an error message (e.g., "enter a valid email").	Passed	LINK
TC_025	Verify Mandatory Fields	1. Add items to cart. 2. Proceed to checkout. 3. Leave mandatory fields 4. Submit the form.	Product Name: Divi Engine Logo Zipper Hoodie	Error messages are displayed, prompting the user to fill in all mandatory fields	Error messages were displayed, prompting the user to fill in all mandatory fields	Passed	LINK
TC_026	Validate without entering any fields in the Delivery Details Section of the Checkout Page	1. Add items to cart. 2. Proceed to checkout. 3. Don't fill in any field in the delivery details section 4. Submit form.	Product Name: Hoodie with Zipper	Proper field level warning messages should be displayed for all the mandatory fields in the Delivery Details section	Proper field level warning messages were displayed for all the mandatory fields in the Delivery Details section	Passed	LINK
TC_027	Validate the UI of 'Checkout' functionality	1. Check the UI of the functionality related to 'Checkout'	N/A	Proper UI adhering to the UI checklist should be displayed for the 'Checkout' functionality	Proper UI adhering to the UI checklist is displayed for the 'Checkout' functionality	Passed	LINK

POTENTIAL ISSUES THAT MAY ARISE DURING THE CHECKOUT PROCESS

During the testing of the WooCommerce Test Site checkout process, several potential issues were identified that could impact the user experience and functionality. These issues are described below, categorized by functionality:

1. **Guest Checkout Issues:**

- **Redirection Errors (Test Case TC 001):** In the guest checkout flow, the system failed to correctly redirect users to the shopping cart page after an item was added. This may confuse users, as they expect to see their cart before proceeding to checkout.
 - **Recommendation:** Review the cart redirection logic and ensure that users are properly redirected to the cart page once they add products.

2. **Registered User Checkout Issues:**

- **Bank Transfer Details Not Displayed (Test Case TC 013):** When selecting the Bank Transfer payment option, the transfer details (such as account number) were not displayed on the order confirmation page. This could prevent users from completing payments, leading to abandoned carts.
 - **Recommendation:** Verify that the payment gateway for bank transfers is properly configured and that the necessary details are displayed after the order is placed.

AUTOMATION TEST SUITE

INTRODUCTION

Objective: The goal of this test suite is to automate the verification of functionality for the **WP Dark Mode** plugin within a WordPress environment. The suite ensures that the plugin's features are correctly implemented and that user configurations are applied as expected. Automation aims to improve efficiency and accuracy in testing by reducing manual effort and providing consistent results.

Scope: This test suite covers the following scenarios:

1. **Login Verification:** Automated login to the WordPress site to ensure access to the administrative features.
2. **Plugin Status Check:** Verification of the WP Dark Mode plugin's activation status. If inactive, the test will install and activate the plugin.
3. **Admin Dashboard Dark Mode:** Enabling and validating the dark mode feature for the WordPress admin dashboard.
4. **Dark Mode Functionality:** Verification that the dark mode is properly applied and visible on the admin dashboard.
5. **Floating Switch Style:** Changing the style of the floating switch in WP Dark Mode settings and validating the change.
6. **Switch Customization:** Adjusting the size and scale of the floating switch to specific values.
7. **Switch Position:** Changing the position of the floating switch to the left and ensuring the change is applied.
8. **Keyboard Shortcut:** Disabling the keyboard shortcut feature from the accessibility settings.
9. **Page-Transition Animation:** Enabling and customizing the page-transition animation effect, and verifying its application on the front end.

TEST ENVIRONMENT

- **Programming Language:** Python 3.9
- **Tools:** Selenium
- **Environment:**
 - **Python Installation:**
 - ✓ Ensure Python 3.9 is installed on your system.
 - **Selenium Installation:**
 - ✓ Install the Selenium
 - **WebDriver:**
 - ✓ Download the appropriate WebDriver for your browser (e.g., ChromeDriver for Google Chrome, GeckoDriver for Firefox).
 - ✓ Ensure the WebDriver is in your system's PATH or specify the path in your script.
 - **Configuration:**
 - ✓ Set up an .env file in the root directory of your project to store sensitive information like WordPress credentials. Refer to the .env.example file for the structure and instructions on how to configure your .env file.

TEST SCENARIOS

- **Scenario 1:** Log in to the WordPress site.
- **Scenario 2:** Check if the WP Dark Mode Plugin is active.If not active, install and activate it.
- **Scenario 3:** Enable Admin Dashboard Dark Mode.
- **Scenario 4:** Validate dark mode functionality on the Admin Dashboard.
- **Scenario 5:** Change the Floating Switch Style.
- **Scenario 6:** Customize the Switch Size and Scale it to 220.
- **Scenario 7:** Change the Floating Switch Position to Left.
- **Scenario 8:** Disable the Keyboard Shortcut.
- **Scenario 9:** Change Page-Transition Animation and validate front-end dark mode.

REPOSITORY INFORMATION

GitHub Repository:

- **Link:** <https://github.com/naba-mamba/WooCommerceAutomationTestSuit.git>

ISSUES

- **Link:** <https://github.com/naba-mamba/WooCommerceAutomationTestSuit.git>

CONCLUSION

The assignment involved creating a comprehensive test plan for the checkout process in a WooCommerce setup and developing an automation test suite for the WP Dark Mode plugin.