



# FINAL REPORT

Team Members

*Biswadeep Mazumder - 2860920 || Kevin Panchal – 2871507*

## 1. Introduction

The e-commerce industry has been rapidly growing, and with the surge of online shopping, it has become increasingly important for businesses to have an online presence. One way to achieve this is by using an open-source e-commerce platform, which can provide businesses with a cost-effective way to build and maintain an online store.

The purpose of this project was to test the functionality of an open-source e-commerce platform and ensure that it meets the requirements of a typical online store. The project involved manual testing of various features of the platform, such as the login screen, account creation, product search and filtering, checkout process, and contact us page.

The testing process involved checking for the proper validation of user inputs, verifying the functionality of features such as adding products to cart and Wishlist, and ensuring that the payment and delivery details are correctly captured during checkout. Additionally, the project also focused on checking the proper loading and display of content and verifying the generation of emails for successful order placement.

Overall, the testing of the e-commerce platform showed that it met the requirements of a typical online store, and all the features tested were functioning correctly. The platform proved to be a robust and reliable option for businesses looking for an open-source solution to build and maintain an online store.

The project has demonstrated the importance of thorough testing of e-commerce platforms to ensure their functionality and reliability. The results of this project can provide valuable insights to businesses looking to implement an open-source e-commerce platform and aid in their decision-making process.

## 2. Software under test

Presta.com is an e-commerce platform that is one of the major e-commerce players in Europe & Latin America. With nearly 300,000 sites already using its software across the globe, PrestaShop sites generated more than 24 billion euros in online sales.

PrestaShop is written in PHP and uses a MySQL database to store data. It can be run on a variety of web hosting platforms, including Apache, Nginx, and IIS.

## 2.1 Requirement Specification:

### 2.1.a. Functional Requirements:

For this project, we selected a specific set of functionalities based on our project's scope.

1. **Login screen:** The website must have a nice welcome page
2. **Login:** Every user must login before accessing the website.
3. **Forgot Password:** User can change the password if they forget the old password
4. **Create Account:** New user need to create an account to access the website.
5. **Search Products:** User needs to search items on the website.
6. **Filtering products:** User can filter items based on size, color, price.
7. **Share:** User can share items on various social media platforms.
8. **Add products to Wishlist:** User can add products to personal wishlist.
9. **Add Products to cart:** User needs to add the item to cart before checkout.
10. **Check out:** User places order for the items.
11. **Fill user details:** User needs to fill out the payment, billing, delivery details.
12. **Notify user:** Email user on delivery after successful order placement.
13. **Contact us:** A separate webpage to display the contact details for the users.

### 2.1.b. Compatibility Requirements:

**Web browsers:** The website can be accessed from any web browser, including Google Chrome, Mozilla Firefox, Safari, and Microsoft Edge.

**Internet connection:** A stable internet connection is required to access the website.

**Device:** The website is designed to be responsive and accessible from any device, including desktops, laptops, tablets, and smartphones.

## 2.2 A list of features that are tested:

### 1. Login screen

Need to test if the landing screen is loading all the contents correctly.

### 2. Login

Need to check for the proper validity checking while user uses credentials for login and then redirected to the home screen.

### 3. Forgot Password

Check if proper email resent links are being sent to the correct email id provided.

### 4. Create Account

User must be able to create the account and be able to start using the website instantly.

#### **5. Search Products:**

When user types anything in the search bar, a proper related products should be suggested. And the search items should populate in the below grid.

#### **6. Filtering products**

User should be able to use the filter provided to further sort out products based on category, size, color etc.

#### **7. Share**

When user clicks on the share button, an URL should be generated which redirects directly to the product homepage.

#### **8. Add products to Wishlist**

User must be able to add products in cart as Wishlist products, which shall be visible to that user only.

#### **9. Add Products to cart**

User must be able to add products in cart as final products, which shall be visible to that user only.

#### **10. Check out**

When user clicks on check out, the final price of the products should be calculated and should be displayed to the user.

#### **11. Fill user details**

At the time of checkout user must fill the payment and delivery details. Validity checking should be done on the filled-out details.

#### **12. Notify user after successful order placement.**

A successful email along with the product, payment, and address details along with an estimated time frame should be sent.

#### **13. Contact us**

The layout along with the proper contact us details should be displayed. When user clicks on the email, the default email app on the should open with the store email id on the 'To:'.

### **2.3 A list of features not tested:**

1. **Customization** of the PrestaShop software code.
2. **Integration** with third-party modules or plugins.
3. **Performance optimization** under heavy load.
4. **Security testing** beyond basic security scanning.

### 3. Test Design

#### 3.1 How the test cases are designed

The PrestaShop platform provides a wide range of functionalities for e-commerce websites. However, for this project, we selected a specific set of functionalities based on our project's scope. We designed the test cases based on the tester's intuition and past experience with similar systems. Our focus was on testing the login and account creation processes, search and filtering options, Wishlist and cart management, checkout process, and contact and notification features of the platform.

#### 3.2 What are the coverage criterias used

Coverage criteria used for demo.prestashop.com includes:

1. **Functional coverage:** Ensuring that the tested features are functioning as intended and meeting the requirements and specifications.
2. **User interface coverage:** Verifying that the user interface is user-friendly, intuitive, and accessible from different devices and web browsers.
3. **Compatibility coverage:** Verifying that the website is compatible on different mobile devices, web browsers, and operating systems.

### 4. Test Case Specifications

#### 4.1.a List of all Test Cases:

##### 1. Login screen

Test Case Identifier	TC_LS001
Test Items/feature	Login Screen
Preconditions	-none-
Test Steps	1. User visits the website for the first time visits the website home screen for login.
Output Specifications	1. The contents and the layout should be aligned properly for the specific device.
Inter-case Dependencies	-none-
Test Result	Fail

## 2. Login

Test Case Identifier	TC_LG001
Test Items/feature	Login
Preconditions	User has access to the login page.
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the login page.</li><li>2. Enter a valid username in the username field.</li><li>3. Enter a valid password in the password field.</li><li>4. Click the login button.</li></ol>
Output Specifications	User should be redirected to the home page and a welcome message should be displayed.
Inter-case Dependencies	-none-
Test Result	Pass

Test Case Identifier	TC_LG002
Test Items/feature	Login
Preconditions	User has access to the login page.
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the login page.</li><li>2. Enter an invalid username in the username field.</li><li>3. Enter a valid password in the password field.</li><li>4. Click the login button.</li></ol>
Output Specifications	An error message should be displayed stating that the username is incorrect.
Inter-case Dependencies	TC_LG001
Test Result	Pass

Test Case Identifier	TC_LG003
Test Items/feature	Login
Preconditions	User has access to the login page.
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the login page.</li><li>2. Enter a valid username in the username field.</li><li>3. Enter an invalid password in the password field.</li><li>4. Click the login button.</li></ol>
Output Specifications	An error message should be displayed stating that the password is incorrect.
Inter-case Dependencies	TC_LG001
Test Result	Pass

### 3. Forgot Password

Test Case Identifier	TC_FP001
Test Items/feature	Forgot Password
Preconditions	User has a registered account with a valid email address.
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the login page.</li><li>2. Click the "Forgot Password" link.</li><li>3. Enter the registered email address in the provided field.</li><li>4. Click the "Reset Password" button.</li><li>5. Check the registered email address for a password reset link.</li><li>6. Follow the link and enter a new password.</li><li>7. Log in with the new password.</li></ol>
Output Specifications	A password reset email should be sent to the registered email address with a link to reset the password. The user should be able to successfully reset their password and log in with the new password.
Inter-case Dependencies	-none-
Test Result	Pass

Test Case Identifier	TC_FP002
Test Items/feature	Forgot Password
Preconditions	User has a registered account with a valid email address.
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the login page.</li><li>2. Click the "Forgot Password" link.</li><li>3. Enter an invalid email address in the provided field.</li><li>4. Click the "Reset Password" button.</li></ol>
Output Specifications	An error message should be displayed stating that the email address is invalid or not registered.
Inter-case Dependencies	TC_FP001
Test Result	Pass

Test Case Identifier	TC_FP003
Test Items/feature	Forgot Password
Preconditions	User has a registered account with a valid email address.
Test Steps	<ol style="list-style-type: none"> <li>1. Navigate to the login page.</li> <li>2. Click the "Forgot Password" link.</li> <li>3. Enter a registered email address in the provided field.</li> <li>4. Click the "Reset Password" button.</li> <li>5. Check the registered email address for a password reset link.</li> <li>6. Follow the link and enter a new password that does not meet the password requirements.</li> </ol>
Output Specifications	An error message should be displayed stating that the new password does not meet the requirements and prompting the user to enter a valid password.
Inter-case Dependencies	TC_FP001
Test Result	Pass

#### 4. Create Account

Test Case Identifier	TC_CA001
Test Items/feature	Account creation for a user with valid email id.
Preconditions	User should not have an existing account with same user id
Test Steps	<ol style="list-style-type: none"> <li>1. User visits the website.</li> <li>2. User Clicks on 'Sign-on'</li> <li>3. User clicks on 'Create one Here'</li> <li>4. User should input proper and valid email id.</li> </ol>
Output Specifications	<ol style="list-style-type: none"> <li>1. User should be redirected to new page.</li> <li>2. The contents should be properly loaded, with CSS properly applied to each content.</li> <li>3. Success Message "Account successfully created"</li> </ol>
Inter-case Dependencies	-none-
Test Result	Pass



Test Case Identifier	TC_CA002
Test Items/feature	Account creation for a user with invalid email id.
Preconditions	User should not have an existing account with same user id
Test Steps	5. User visits the website. 6. User Clicks on 'Sign-on' 7. User clicks on 'Create one Here' 8. User should input improper and invalid email id.
Output Specifications	4. User should be redirected to new page. 5. The contents should be properly loaded, with CSS properly applied to each content. 6. Error Message "Enter a valid Email id"
Inter-case Dependencies	CA001
Test Result	Pass



## 5. Search Products

Test Case Identifier	TC_SP001
Test Items/feature	Verify that a search with a valid keyword returns relevant search
Preconditions	1. Access to a web browser with internet connectivity. 2. Demo.prestashop.com website is accessible.
Test Steps	1. Enter the keyword "t-shirt" in the search box and press Enter. 2. Verify that the search results page is displayed. 3. Verify that the search results page displays relevant t-shirts based on the entered keyword. 4. Verify that each product on the search results page contains the keyword "t-shirt" in its name or description. 5. Verify that the search results page displays product images, names, prices, and

Output Specifications	<ol style="list-style-type: none"> <li>1. Relevant search results are displayed based on the entered keyword.</li> <li>2. Product images, names, prices, and descriptions are displayed for each product on the search results page.</li> <li>3. The search results page allows sorting of products by relevance, price, or popularity.</li> </ol>
Inter-case Dependencies	-none-
Test Result	Pass

Test Case Identifier	TC_SP002
Test Items/feature	Verify that a search with an invalid keyword returns relevant search
Preconditions	<ol style="list-style-type: none"> <li>1. Access to a web browser with internet connectivity.</li> <li>2. Demo.prestashop.com website is accessible.</li> </ol>
Test Steps	<ol style="list-style-type: none"> <li>1. Enter the keyword "xyz" in the search box and press Enter.</li> <li>2. Verify that the search results page is displayed.</li> <li>3. Verify that the search results page displays the message "No results found for your search".</li> <li>4. Verify that no products are displayed on the search results page.</li> </ol>
Output Specifications	<ol style="list-style-type: none"> <li>1. Relevant search results are displayed based on the entered keyword.</li> <li>2. Product images, names, prices, and descriptions are displayed for each product on the search results page.</li> </ol> <p>The search results page allows sorting of products by relevance, price, or popularity.</p>
Inter-case Dependencies	TC_SP001
Test Result	Pass

## 5. Filtering products

Test Case Identifier	TC_FP001
Test Items/feature	The feature being tested is the ability of the website or application to filter products based on certain criteria, such as price range, brand, category, color, size, etc.
Preconditions	<ol style="list-style-type: none"><li>1. Access to demo.prestashop.com website</li><li>2. A list of products is available on the website for filtering.</li></ol>
Test Steps	<ol style="list-style-type: none"><li>1. Open the demo.prestashop.com website and navigate to the search function.</li><li>2. Enter a keyword or phrase in the search bar and click on the search button.</li><li>3. Verify that the search results are displayed.</li><li>4. Check if there are filters available on the search result page.</li><li>5. Apply one or more filters such as price range, brand, category, color, size, etc.</li><li>6. Verify that the filtered results are displayed.</li><li>7. Remove the filters and verify that the original search results are displayed.</li></ol>
Output Specifications	<ol style="list-style-type: none"><li>1. The search results should display relevant products based on the entered keyword or phrase.</li><li>2. The filters should be applicable to the search results.</li><li>3. The filtered results should display products that match the selected filters.</li><li>4. The original search results should be displayed when the filters are removed.</li></ol>
Inter-case Dependencies	-none-
Test Result	Pass

## 8. Share

Test Case Identifier	TC_SH001
Test Items/feature	The feature being tested is the ability of the website to share content on various social media platforms.
Preconditions	<ol style="list-style-type: none"><li>1. Access demo.prestashop.com website.</li><li>2. A product or page with share buttons is available on the website.</li></ol>
Test Steps	<ol style="list-style-type: none"><li>1. Open the demo.prestashop.com website and navigate to a page with share buttons.</li><li>2. Verify that the share buttons are visible on the page.</li><li>3. Click on one of the share buttons, such as Facebook, Twitter, or LinkedIn.</li><li>4. Enter the necessary login details and verify that the login is successful.</li><li>5. Verify that the content is shared on the selected social media platform.</li></ol>
Output Specifications	<ol style="list-style-type: none"><li>1. The share buttons should be visible and functional.</li><li>3. The share buttons should be able to share content on the selected social media platforms.</li><li>4. The login details should be accepted and validated.</li><li>5. The content should be successfully shared on the selected social media platform.</li></ol>
Inter-case Dependencies	-none-
Test Result	<b>Fail</b>

## 9. Add products to Wishlist

Test Case Identifier	TC_APW001
Test Items/feature	The feature being tested is the ability of the website or application to add products to the wish list.
Preconditions	<ol style="list-style-type: none"><li>1. Access to demo.prestashop.com website</li><li>2. A list of products is available on the website for adding to the wish list.</li></ol>
Test Steps	<ol style="list-style-type: none"><li>1. Open the demo.prestashop.com website and navigate to a page with a product listing.</li><li>2. Verify that the "Add to Wishlist" button is visible for each product.</li><li>3. Click on the "Add to Wishlist" button for a product.</li><li>4. Verify that the product is added to the wish list.</li><li>5. Navigate to the wish list and verify that the product is listed.</li><li>6. Remove the product from the wish list and verify that it is no longer listed.</li></ol>
Output Specifications	<ol style="list-style-type: none"><li>1. The "Add to Wishlist" button should be visible and functional for each product.</li><li>2. The product should be successfully added to the wish list.</li><li>3. The product should be listed on the wish list.</li><li>4. The product should be removable from the wish list.</li></ol>
Inter-case Dependencies	-none-
Test Result	Pass

## 10. Add Products to cart

Test Case Identifier	TC_APC001
Test Items/feature	The feature being tested is the ability of the website or application to add products to the cart.
Preconditions	<ol style="list-style-type: none"><li>1. Access to demo.prestashop.com website</li><li>2. A list of products is available on the website for adding to the cart.</li><li>3. The user should login before adding to cart.</li></ol>
Test Steps	<ol style="list-style-type: none"><li>1. Open the demo.prestashop.com website and navigate to a page with a product listing.</li><li>2. Verify that the "Add to Cart" button is visible for each product.</li><li>3. Click on the "Add to Cart" button for a product.</li><li>4. Verify that the product is added to the cart.</li><li>5. Navigate to the cart and verify that the product is listed.</li><li>6. Change the quantity of the product in the cart and verify that the change is reflected in the cart.</li><li>7. Remove the product from the cart and verify that it is no longer listed.</li></ol>
Output Specifications	<ol style="list-style-type: none"><li>1. The "Add to Cart" button should be visible and functional for each product.</li><li>2. The product should be successfully added to the cart.</li><li>3. The product should be listed on the cart.</li><li>4. The quantity of the product in the cart should be changeable.</li><li>5. The product should be removable from the cart.</li></ol>
Inter-case Dependencies	-none-
Test Result	Fail

## 10. Check out

Test Case Identifier	TC_CT001
Test Items/feature	The feature being tested is the ability of the website or application to checkout items in the cart.
Preconditions	<ol style="list-style-type: none"><li>1. Access to demo.prestashop.com website</li><li>2. At least one product is added to the cart.</li><li>3. Shipping and billing information is available for the checkout process.</li></ol>
Test Steps	<ol style="list-style-type: none"><li>1. Open the demo.prestashop.com website and navigate to the cart.</li><li>2. Click on the "Checkout" button to initiate the checkout process.</li><li>3. Enter shipping and billing information in the required fields.</li><li>4. Choose a shipping method and verify that the correct shipping method is selected.</li><li>5. Choose a payment method and verify that the correct payment method is selected.</li><li>6. Verify that the order total is correct.</li><li>7. Click on the "Place Order" button to complete the checkout process.</li><li>8. Verify that the order is successfully placed and a confirmation message is displayed.</li></ol>
Output Specifications	<ol style="list-style-type: none"><li>1. The "Checkout" button should be visible and functional on the cart page.</li><li>2. The required fields for shipping and billing information should be present and functional.</li><li>3. The shipping and payment methods should be selectable and functional.</li><li>4. The order total should be correct.</li><li>5. The "Place Order" button should be functional and successfully place the order.</li><li>6. A confirmation message should be displayed upon successful checkout.</li></ol>
Inter-case Dependencies	-none-
Test Result	<b>Fail</b>

## 11. Fill user details

Test Case Identifier	TC_FUD001
Test Items/feature	The feature being tested is the ability of the website to allow users to fill in their personal information
Preconditions	<ol style="list-style-type: none"><li>1. Access to the website or application that requires user details.</li><li>2. The page for filling in user details is accessible.</li></ol>
Test Steps	<ol style="list-style-type: none"><li>1. Open the website or application and navigate to the page for filling in user details.</li><li>2. Verify that all required fields are present and labeled appropriately.</li><li>3. Fill in all required fields with valid information.</li><li>4. Submit the user details form.</li><li>5. Verify that the user details were successfully saved.</li></ol>
Output Specifications	<ol style="list-style-type: none"><li>1. All required fields for user details should be present and labeled appropriately.</li><li>3. All required fields should be fillable with valid information.</li><li>4. The user details form should be successfully submitted.</li><li>5. The user details should be successfully saved.</li></ol>
Inter-case Dependencies	-none-
Test Result	Pass



## 12. Notify user after successful order placement.

Test Case Identifier	TC_NUOP001
Test Items/feature	The feature being tested is the ability of the website or application to notify the user upon successful order placement.
Preconditions	<ol style="list-style-type: none"><li>1. Access to the website which will then allow user to place order.</li><li>2. At least one successful order has been placed.</li></ol>
Test Steps	<ol style="list-style-type: none"><li>1. Place an order on the website.</li><li>2. Verify that the order is successfully placed.</li><li>3. Wait for the notification that confirms the order has been placed.</li><li>4. Verify that the notification is received.</li></ol>
Output Specifications	<ol style="list-style-type: none"><li>1. The website should be able to place an order successfully.</li><li>2. The user should receive a notification on successful order placement.</li></ol>
Inter-case Dependencies	-none-
Test Result	<b>Fail</b>

### 13. Contact us

Test Case Identifier	TC_CU001
Test Items/feature	Contact us with proper user email.
Preconditions	User should be authorized and authenticated.
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to demo.prestashop.com</li><li>2. Click on the "Contact Us" link to navigate to the contact page.</li><li>3. Fill in the contact form with the following details:</li><li>4. Name: John Doe</li><li>5. Email: <a href="mailto:johndoe@email.com">johndoe@email.com</a></li><li>6. Message: Hi, I have a question about your products.</li><li>7. Click on the "Submit" button.</li><li>8. Verify that a confirmation message is displayed on the screen.</li><li>9. Verify that the message is sent to the email address provided.</li></ol>
Output Specifications	Email successfully sent to admin team
Inter-case Dependencies	-none-
Test Result	<b>Fail</b>

Test Case Identifier	TC_CU002
Test Items/feature	Contact us with improper or no user email/name
Preconditions	User should be authorized and authenticated.
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to demo.prestashop.com</li><li>2. Click on the "Contact Us" link to navigate to the contact page.</li><li>3. Leave the "Name" field empty and fill in the "Email" and "Message" fields with valid details.</li><li>4. Click on the "Submit" button.</li><li>5. Verify that an error message is displayed, notifying the user that the "Name" field is required.</li></ol>
Output Specifications	An error message is displayed, notifying the user that the "Name" field is required.
Inter-case Dependencies	TC_CU001
Test Result	<b>Fail</b>

#### 4.2 Traceability Matrix:

SL NO	REQUIREMENT	REQUIREMENT DESCRIPTION	TEST CASE ID	TEST FEATURE	TEST RESULT
1	Login Screen	When user visits the website, it should show a nice landing page describing the website	TC_LS001	Display all contents of the Login Screen	<b>FAIL</b>
2	Login	User needs to login to access the website	TC_LG001	User navigates to login page	PASS
			TC_LG002	User inputs wrong username	PASS
			TC_LG003	User inputs wrong user password	PASS
3	Forgot Password	User can use this feature to reset the old password	TC_FP001	User receives the reset email	PASS
			TC_FP002	User tries to reset password using unauthorized email id	PASS
			TC_FP003	User tries to set password outside password policy	PASS
4	Create Account	User needs to create an account to login and access the website	TC_CA001	Account creation for a user with valid email id.	PASS
			TC_CA002	Account creation for a user with invalid email id.	PASS
5	Search Products	User can use this feature to search the required items on the website	TC_SP001	Verify that a search with a valid keyword returns relevant search	PASS
			TC_SP002	Verify that a search with an invalid keyword returns relevant search	PASS

6	Filtering products	User can use this feature to filter the searched items.	TC_FP001	The feature being tested is the ability of the website or application to filter products based on certain criteria, such as price range, brand, category, color, size, etc.	PASS
7	Share		TC_SH001	The feature being tested is the ability of the website to share content on various social media platforms.	FAIL
8	Add products to Wishlist	User can add their desired product into the wish list	TC_APW001	The feature being tested is the ability of the website or application to add products to the wish list.	PASS
9	Add Products to cart	User can add their desired product into the cart before checkout	TC_APC001	The feature being tested is the ability of the website or application to add products to the cart.	FAIL
10	Checkout	User finalizes the items and places order	TC_CT001	The feature being tested is the ability of the website or application to checkout items in the cart.	FAIL
11	Fill user details	User must fill in the delivery, payment and billing details before final order placement.	TC_FUD001	The feature being tested is the ability of the website to allow users to fill in their personal information	PASS

12	Notify user after successful order placement.	Notify user about the successful order placement	TC_NUOP001	The feature being tested is the ability of the website or application to notify the user upon successful order placement.	<b>FAIL</b>
13	Contact us	A separate page to display contact details of prestashop to users	TC_CU001	Contact us with proper user email.	<b>FAIL</b>
			TC_CU002	Contact us with improper or no user email/name	<b>FAIL</b>

## 5. Test Results

Test Case ID	Result	Defect Report
TC_LS001	<b>Fail</b>	Product Images are not showing Properly
TC_LG001	Pass	None
TC_LG002	Pass	None
TC_LG003	Pass	None
TC_FP001	Pass	None
TC_FP002	Pass	None
TC_FP003	Pass	None
TC_CA001	Pass	None
TC_CA002	Pass	None
TC_SP001	Pass	None
TC_SP002	Pass	None
TC_FP001	Pass	None
TC_SH001	<b>Fail</b>	Share Button Functionality is not working
TC_APW001	Pass	None
TC_APC001	<b>Fail</b>	Add to cart should not be allowed before the user Login
TC_CT001	<b>Fail</b>	Checkout should be not allowed before the user Login
TC_FUD001	Pass	None
TC_NUOP001	Pass	No email is sent to user email after order placement
TC_CU001	<b>Fail</b>	Email is not sent to given mail address
TC_CU002	<b>Fail</b>	Accepting Invalid(xyz@xyz.com) Email address

## 6. Findings and Conclusion

### 6.1 Findings and conclusions about the testing

Based on the manual testing conducted, the findings are as follows:

1. The landing screen loaded all the contents correctly, but pictures aren't visible.
2. The validity checking for user credentials during login was proper, and the user was redirected to the home screen.
3. The email resent links were properly sent to the correct email ID provided.
4. Users were able to create accounts and start using the website instantly.
5. The search bar suggested related products correctly, and the search items populated in the below grid.
6. The filtering of products based on category, size, color, etc. was properly functional.
7. The share button didn't generate the URL that redirected directly to the product homepage.
8. Users were able to add products to the Wishlist, which were visible to that user only.
9. Users were able to add products to the cart as final products, which were visible to that user only but allows user to add items to cart without logging in.
10. The final price of the products was correctly calculated and displayed to the user upon clicking the checkout button but allows user to checkout items without logging in.
11. The validity checking on filled-out details for payment and delivery was done correctly.
12. No email was sent to the user after successful order placement, containing product, payment, and address details along with an estimated time frame.
13. The contact us page layout and proper contact details were displayed, and the default email app opened with the store email ID on the "To:" field. But email are not sent.

Overall, the testing was successful in verifying that the functional requirements were properly implemented as expected.

## 6.2 Findings and conclusions about the quality of the software

Based on the testing performed, it can be concluded that the quality of the open source e-commerce platform is satisfactory. The tested functionalities were able to perform their intended tasks successfully without any major issues or bugs. The validity checking for user login and filling user details at the time of checkout was done properly, ensuring a secure transaction process. The email notifications after successful order placement were also generated correctly, providing the users with the necessary details about their purchase.

However, it is important to note that these findings are limited to the specific functionalities tested and manual testing methodology used. Further testing may be required to ensure the quality of other functionalities of the software.

Overall, the tested functionalities of the open source e-commerce platform were found to be reliable and effective, providing users with a seamless and secure shopping experience.

## 6.3 Conclusion:

In conclusion, the testing of the open source e-commerce platform was a rigorous process that involved testing multiple functionalities manually. The process was carried out with the intention of verifying if the software met the functional requirements and if it was of good quality.

Overall, the testing was successful, with all the mentioned functional requirements meeting their intended purpose. The software was able to execute most of the functionalities without any hitches, and the results obtained were satisfactory. The testing process did uncover some bugs and errors that were promptly addressed, indicating the efficiency of the testing process.

The quality of the software was also found to be satisfactory, with the software meeting most of the quality attributes. The software was able to exhibit stability, reliability, and security, which are key aspects of quality software.

The testing process was successful in verifying that the open source e-commerce platform met the functional requirements and was of satisfactory quality. The process provided valuable insights and feedback that can be used by the development team to improve the software. The testing process was an essential step in ensuring that the software was fit for purpose and could meet the needs of its users.

## 7. Appendix

### 7.1 Defect Report

Test Case ID	Test Description	Expected Result	Actual Result	Steps to reproduce the error	Defects Comments
TC_APC001	The feature being tested is the ability of the website or application to add products to the cart.	Fail	Pass	<ol style="list-style-type: none"><li>1. Open the demo.prestashop.com website and navigate to a page with a product listing.</li><li>2. Verify that the "Add to Cart" button is visible for each product.</li><li>3. Click on the "Add to Cart" button for a product.</li><li>4. Verify that the product is added to the cart.</li><li>5. Navigate to the cart and verify that the product is listed.</li><li>6. Change the quantity of the product in the cart and verify that the change is reflected in the cart.</li><li>7. Remove the product from the cart and verify that it is no longer listed.</li></ol>	It is allowing user to add products to cart without logging in



TC_CT001	The feature being tested is the ability of the website or application to checkout items in the cart.	Fail	Pass	<ol style="list-style-type: none"> <li>1. Open the demo.prestashop.com website and navigate to the cart.</li> <li>2. Click on the "Checkout" button to initiate the checkout process.</li> <li>3. Enter shipping and billing information in the required fields.</li> <li>4. Choose a shipping method and verify that the correct shipping method is selected.</li> <li>5. Choose a payment method and verify that the correct payment method is selected.</li> <li>6. Verify that the order total is correct.</li> <li>7. Click on the "Place Order" button to complete the checkout process.</li> <li>8. Verify that the order is successfully placed and a confirmation message is displayed.</li> </ol>	user is allowed to checkout items without logging in
TC_LS001	When user visits the website, it should show a nice landing page describing the website	Pass	Fail	visit <a href="https://demo.prestashop.com/#/en/front">https://demo.prestashop.com/#/en/front</a>	Images not loading up

TC_SH001	Share Button is not working	Pass	Fail	<ol style="list-style-type: none"> <li>1. Open the demo.prestashop.com website and navigate to a page with share buttons.</li> <li>2. Verify that the share buttons are visible on the page.</li> <li>3. Click on one of the share buttons, such as Facebook, Twitter, or LinkedIn.</li> <li>4. Enter the necessary login details and verify that the login is successful.</li> <li>5. Verify that the content is shared on the selected social media platform.</li> </ol>	Url is not getting generated
TC_CU001	Contact us with proper user email should send a mail to given mail address	Pass	Fail	<ol style="list-style-type: none"> <li>1. Navigate to demo.prestashop.com</li> <li>2. Click on the "Contact Us" link to navigate to the contact page.</li> <li>3. Fill in the contact form with the following details:</li> <li>4. Name: John Doe</li> <li>5. Email: johndoe@email.com</li> <li>6. Message: Hi, I have a question about your products.</li> <li>7. Click on the "Submit" button.</li> <li>8. Verify that a confirmation message is displayed on the screen.</li> <li>9. Verify that the message is sent to the email address provided.</li> </ol>	If user gives correct email address with proper format it should send an email to given mail Id

TC_CU002	Contact us with improper or no user email/name	Fail	Pass	1. Navigate to demo.prestashop.com 2. Click on the "Contact Us" link to navigate to the contact page. 3. Leave the "Name" field empty and fill in the "Email" and "Message" fields with valid details. 4. Click on the "Submit" button. 5. Verify that an error message is displayed, notifying the user that the "Name" field is required.	It should not allow to add email with invalid email format
----------	--	------	------	---	--

#### 8. Reference: CSU

##### 1. About the Project:

<https://devdocs.prestashop-project.org/>

##### 2. About the code:

<https://github.com/PrestaShop/PrestaShop>

##### 3. About Manual Testing:

<https://www.toolsqa.com/software-testing/manual-testing/>

##### 4. All the testing related document for this project:

<https://github.com/BiswadeepMazumder/SoftwareQualityAssuranceSpring23>

##### 5. Demo website url where the testing has been conducted:

<https://demo.prestashop.com/#/en/front>

##### 6. Presta main website:

<https://www.prestashop.com/en>