Manual Testing

The test case scenarios are created and performed.

Testing Scenario 1 : User is able to register and create new account.

Step	Action	Expected Result
1.	Preconditions: 1. User has access to the ecommerce application. 2. User is on the register page of the application.	All Preconditions are met
2.	Verify that a new user can successfully register an account.	User is able to successfully register an account
3.	Verify that all mandatory fields (e.g., name, email, password) are validated correctly.	verified.
4.	Verify that the user receives a confirmation email after registration.	User doesn't receives a confirmation email after registration.

Testing Scenario 2 : User is able to login to the application.

Step	Action	Expected Result
1.	Preconditions: 1. User has access to the ecommerce application. 2. User is on the login page of the application.	All Preconditions are met
2.	Verify that registered users can log in with valid credentials.	User is able to successfully login to the application
3.	Verify that appropriate error messages are displayed for invalid login attempts.	verified.
4.	Verify that the "Forgot Password" feature allows users to reset their password successfully.	User isn't able to reset the password.

Testing Scenario 3 : User is able to navigate from login fragment to register fragment .

Step	Action	Expected Result
1.	Preconditions: 1. User has access to the ecommerce application. 2. User is on the login page of the application.	All Preconditions are met
2.	Verify that users can navigate from login page to register page.	User is successfully able to navigate from login page to register page by clicking on "Don't have an account?register"

Testing Scenario 4 : User is able to navigate from register fragment to login fragment .

Step	Action	Expected Result
1.	Preconditions: 1. User has access to the ecommerce application. 2. User is on the register page of the application.	All Preconditions are met
2.	Verify that users can navigate from register page to login page.	User is successfully able to navigate from register page to login page by clicking on "Do you have an account?Login"

Testing Scenario 5 : User is able to access main category page and other categories from home page.

Step	Action	Expected Result
1.	Preconditions: 1. User has access to the ecommerce application. 2. User is on the home page of the application.	All Preconditions are met
2.	Verify that users can access main category page.	User is successfully able to access main category page and view different types of products
3.	Verify that users can access main category page and scroll though Special products.	User is successfully able to access main category page and view and scroll through special products
4.	Verify that users can access main category page and scroll though best deals.	User is successfully able to access main category page and view and scroll through best deals
5.	Verify that users can access main category page and scroll though best products and paging is implemented.	User is successfully able to access main category page and view and scroll through best products and 10 products is loaded first and scrolling further loads more products.
6.	Verify that users can scroll through different categories and access different categories and view the products.	User is successfully able to scroll through different categories and access different categories and view the products.

Testing Scenario 5 : Product Listing

Step	Action	Expected Result
1.	Preconditions: 1. User has access to the ecommerce application. 2. User is on the home page of the application.	All Preconditions are met
2.	Verify that the product details page displays the correct product details (e.g., name, price, image,size and colour).	User is successfully able to view correct product details by simply clicking on the product.
3.	Verify that in product details page user is able to scroll through different images of a product if multiple images of a product Is added.	User is successfully able to scroll through images for products which has multiple images.
4.	Verify that in product details page user is able to select colour and size of the product.	User is successfully able to select colour and size of the product.
5.	Verify that in product details page user is able to close and select different product.	User is successfully able to navigate back by clinking on "X" displayed on top and is able to view different product by clicking on it.

Testing Scenario 6 : Admin Product adding

Step	Action	Expected Result
1.	Preconditions: 1. admin has access to the ecommerce application. 2.admin has access to the products adder application. 3.admin has access to firebase console 4. admin is on the products adder application.	All Preconditions are met
2.	Verify admin can add products	Admin can successfully add products into firebase database.
3.	Verify added products is listed on ecommerce app according to categories mentioned.	Products are successfully loaded into each categories according to categories specified
4.	Verify added products with offers' is listed on ecommerce app according to categories specified and is displayed on the top.	Products are successfully loaded into each categories according to categories specified and products with offers are displayed on top
5.	Verify added products without offer is listed on ecommerce app on best products category	Products are successfully loaded into each categories according to categories specified and products without offers are displayed under best products section.

Testing Scenario 7 : App Performance

Step	Action	Expected Result
1.	Preconditions: 1. User has access to the ecommerce application. 2. User is on the home page of the application.	All Preconditions are met
2.	Verify that the app loads quickly and responds to user actions promptly.	User is successfully able to access application quickly and app responds to user actions promptly.
3.	Verify that the app does not crash or freeze during regular usage.	App crashes only when user is trying to reset password and during other actions app does not crash or freeze