After starting the docker container the application is accessible at http://localhost:3000.

If you are using Docker Toolbox replace *localhost* with the IP you see on the console when Docker Toolbox is active.

/*search product scenarios */

TestSearchValidProduct
> User tries to search an existing Product
>> OPEN HomePage -> INSERT "jacket" in search bar -> CLICK on "Search" -> ASSERT: Are "Green Jacket", "Orange Jacket" displayed in the list of products?

TestSearchProductNotPresent
> User tries to search a Product that does not exist
>> OPEN HomePage -> INSERT "test" in search bar -> CLICK on "Search" -> ASSERT: Is "No products found" string displayed in the list of products?

TestSearchEmptyProduct
> User tries to search an empty Product
>> OPEN HomePage -> INSERT "" (empty string) in search bar -> CLICK on "Search" -> ASSERT: Is "Please enter a search value" string displayed as a notification message at the bottom of the page?

/*add product to cart scenarios */

TestAddFirstProductFirstCategoryToCart
> User tries to add the first product in the HomePage to the cart
>> OPEN HomePage -> CLICK on "Blue T-Shirt" link -> SELECT a Quantity of "3" -> CHOOSE size "L" -> CLICK on "Add to cart" -> ASSERT: Is "Cart successfully updated" displayed as a notification at the bottom of the page? -> CLICK on the cart icon in the top right corner of the page -> ASSERT: Are Product Name, Product Quantity, Product Size the same as those in the Product Page "Blue T-Shirt"? Is the Total Price of the Cart = Product Price * Quantity (3) + Shipping?
>>
>> POST Test Task: EMPTY CART Manually by clicking to the cart icon in the top right corner of the page and clicking on Empty Cart button on the sidebar that appears next.

TestAddFirstAndLastProductsFirstCategoryToCart
> User tries to add first and last products in the HomePage to the cart
>> OPEN HomePage -> CLICK on "Blue T-Shirt" link -> SELECT a Quantity1 of "3" -> CHOOSE size1 "L"-> CLICK on "Add to cart" -> ASSERT: Is "Cart successfully updated" displayed as a notification at the bottom of the page? -> CLICK on "Home" in the navbar -> CLICK on "Grey Trousers" link -> SELECT a Quantity2 of "1" -> CHOOSE size2 "L" -> CLICK on "Add to cart" -> ASSERT: Is "Cart successfully updated" displayed as a notification at the bottom of the page? -> CLICK on the cart icon in the top right corner of the page -> ASSERT: Are Product Name1, Product Quantity1, Product Size1 the same as those in the Product Page of "Blue T-Shirt"? Are Product Name2, Product Quantity2, Product Size2 the same as those in the Product Page of "Grey Trousers"? Is the Total Price of the Cart = Product Price1 * Quantity1 + Product Price2 * Quantity2 + Shipping?

POST Test Task: EMPTY CART Manually by clicking to the cart icon in the top right corner of the page and clicking on Empty Cart button on the sidebar that appears next.

TestAddFirstProductFirstCategoryNegativeQuantity

User tries to add the first product in the HomePage with a negative quantity

OPEN HomePage -> CLICK on "Blue T-Shirt" link -> SELECT a Quantity of "-2" -> CHOOSE size "L" -> CLICK on "Add to cart" -> ASSERT: Is "Cart successfully updated" displayed as a notification at the bottom of the page? Is "0" displayed as number of products in the cart in the cart icon in the top right corner of the page?

POST Test Task: EMPTY CART Manually by clicking to the cart icon in the top right corner of the page and clicking on Empty Cart button on the sidebar that appears next. The application has a bug. Even if the number of products in the cart is 0 the cart is not empty. Therefore, it must be emptied as in the previous cases.

TestEmptyCart

User tries to add the second product in the HomePage and then empties the cart

OPEN HomePage -> CLICK on "Green Jacket" link -> SELECT a Quantity of "2" -> CLICK on "Add to cart" -> ASSERT: Is "Cart successfully updated" displayed as a notification at the bottom of the page? -> ASSERT: Is "2" displayed as number of products in the cart in the cart icon top right? -> CLICK on the cart icon in the top right corner of the page-> CLICK on "Empty Cart" -> CLICK on "X" to close the the cart view -> Is "0" displayed as number of products in the cart in the cart icon top right?

/*go to category scenarios */

TestGoToTShirtCategory

User tries to add go to the T-Shirt category

OPEN HomePage -> CLICK on "T-Shirt" category in the navbar -> ASSERT: Are "Blue T-shirt" and "Black T-shirt" displayed in the list of products in the "T-shirt" category?

TestGoToJacketCategory

User tries to add go to the Jacket category

OPEN HomePage -> CLICK on "Jacket" category in the navbar -> ASSERT: Are "Green Jacket" and "Orange Jacket" displayed in the list of products in the "Jacket" category?

TestGoToTrousersCategory

User tries to add go to the Trousers category

OPEN HomePage -> CLICK on "Trousers" category in the navbar -> ASSERT: Are "Men's Jeans", "Women's Jeans" and "Grey Trousers" "Orange Jacket" displayed in the list of products in the "Trousers" category?

/*login scenarios */

TestValidLogin

      User tries to login with valid credentials

            OPEN HomePage -> CLICK on "Blue T-Shirt" link -> SELECT a Quantity of "3" -> CHOOSE size "L" -> CLICK on "Add to cart" -> ASSERT: Is "Cart successfully updated" displayed as a notification at the bottom of the page? -> CLICK on the cart icon in the top right corner of the page -> CLICK on Checkout button -> CLICK on Pay Now button -> INSERT "test@test.it" in the email input text in the Existing customer form -> INSERT "test" in the password input text in the Existing customer form -> CLICK on Login. ASSERT: Is the email displayed in the Customer Details form the same as the one inserted while logging in?

            POST Test Task: LOGOUT Manually by clicking on the *Change customer* button in the *Customer details* form. This step is needed when executing the test case manually. When the test case is executed with selenium is not needed.

TestInvalidLoginWrongEmail

      User tries to login with invalid email

            OPEN HomePage -> CLICK on "Blue T-Shirt" link -> SELECT a Quantity of "3" -> CHOOSE size "L"-> CLICK on "Add to cart" -> ASSERT: Is "Cart successfully updated" displayed as a notification at the bottom of the page? -> CLICK on the cart icon top right -> CLICK on Checkout button -> CLICK on Pay Now button -> INSERT "wrong@test.it" in the email input text in the Existing customer form -> INSERT "test" in the password input text in the Existing customer form -> CLICK on Login. ASSERT: Is the message "A customer with that email does not exist." displayed as a notification at the bottom of the page?

TestInvalidLoginWrongPassword

      User tries to login with invalid password

            OPEN HomePage -> CLICK on "Blue T-Shirt" link -> SELECT a Quantity of "3" -> CHOOSE size "L"-> CLICK on "Add to cart" -> ASSERT: Is "Cart successfully updated" displayed as a notification at the bottom of the page? -> CLICK on the cart icon top right -> CLICK on Checkout button -> CLICK on Pay Now button -> INSERT "test@test.it" in the email input text in the Existing customer form -> INSERT "wrong" in the password input text in the Existing customer form -> CLICK on Login. ASSERT: Is the message "Access denied. Check password and try again." displayed as a notification at the bottom of the page?

/*registration scenarios */

TestValidUserRegistration
   User tries to register with valid credentials
      OPEN HomePage -> CLICK on "Blue T-Shirt" link -> SELECT a Quantity of "3"
      -> CHOOSE size "L"-> CLICK on "Add to cart" -> ASSERT: Is "Cart successfully
      updated" displayed as a notification at the bottom of the page? -> CLICK on the cart
      icon top right -> CLICK on Checkout button -> CLICK on Pay Now button
      -> INSERT {Email} in the user registration form; the {Email} is generated randomly
      with getRandomEmail method in utils.FunctionalUtilities class -> INSERT "firstName"
      in First name field -> INSERT "lastName" in Last name field -> INSERT "addr" in
      Address 1 field -> INSERT "country" in Country field -> INSERT "state" in State field ->
      INSERT "1234" in Post code field -> INSERT "123456789" in the Phone number field
      -> INSERT "password" in the Password field -> CLICK on Create Account
      -> ASSERT: Are FirstName, LastName, Address, Country, State, Post code and Phone
      the same as those inserted in the user registration form?

      POST Test Task: LOGOUT Manually by clicking on the *Change customer* button in the
      Customer details form. This step is needed when executing the test case manually.
      When the test case is executed with selenium is not needed.

TestInvalidUserRegistrationEmailAlreadyUsed
   User tries to register with an existing email
      OPEN HomePage -> CLICK on "Blue T-Shirt" link -> SELECT a Quantity of "3"
      -> CHOOSE size "L" -> CLICK on "Add to cart" -> ASSERT: Is "Cart successfully
      updated" displayed as a notification at the bottom of the page? -> CLICK on the cart
      icon top right -> CLICK on Checkout button -> CLICK on Pay Now button
      -> INSERT "test@test.it" in the user registration form -> INSERT "firstName" in First
      name field -> INSERT "lastName" in Last name field -> INSERT "addr" in Address 1
      field -> INSERT "country" in Country field -> INSERT "state" in State field -> INSERT
      "1234" in Post code field -> INSERT "123456789" in the Phone number field
      -> INSERT "password" in the Password field -> CLICK on Create Account
      -> ASSERT: Is "A customer already exists with that email address" message
      displayed as a notification at the bottom of the page?