

SOFTWARE VERIFICATION, VALIDATION AND TESTING

TESTING DOCUMENTATION

[Deichman shop Testing](#)

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1. Introduction

1.1. About the Project

For this project I was using the [Deichman online shop](#) main page as I find it very rich in content which can be tested. Disclaimer, below on the screenshots we can see the sale section beside Woman, Man, Children and Brands, but when Selenium is runned it is not shown.

1.2. Project Functionalities and Screenshots

Main page

The screenshot shows the Deichmann website's main page. At the top, there is a green banner with the text "Explore our range of branded trainers from Nike, Adidas, Puma and more! Shop now." Below the banner, the Deichmann logo is displayed. The navigation menu includes links for WOMEN, MEN, and CHILDREN. A language selection for "GB" (Great Britain) is present, along with icons for location, user profile, heart (favorites), and shopping basket. The main content area features a section titled "Shop your favourite brands" with logos for Nike, Adidas, Skechers, Puma, Fila, and Jack Wolfskin. Below this is a large image featuring three models: a woman smiling and making a heart shape with her hands, a man in a dark jacket, and two children (a boy and a girl) in casual clothing. Labels "Women", "Men", and "Children" are overlaid on their respective images.

Woman page

The screenshot shows the "WOMEN" section of the Deichmann website. The top navigation bar has "WOMEN" underlined. The main content features a large promotional banner for "Sneaker Style" with the text "Your favourite brands for less" and a "Shop Now" button. To the right of the banner, there is a large image of a person's legs wearing black sneakers. Below the banner, there is a section titled "Discover our range" with the subtext "Shoes + Accessories for every occasion". This section includes a "NEW IN" box with a purple Nike trainer and five other categories: Trainers, Boots, Loafers + Brogues, Heels, and Ballet Flats, each with a corresponding image.

Continuation of woman page

All Trainers

New Sustainable New

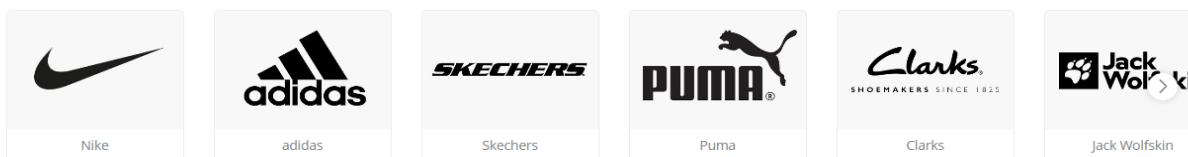
Skechers £49.99 Skechers Black/Blue Lace-up Trainer

Nike £47.99 Nike Ladies Nike Revolution 6 Lace-u...

FILA £22.99 FILA Fila New Black Canvas Platform Lac...

Explore our range of brands

All Brands



Time for Boots!

Explore our range of new season Boots



Ankle Boots



Chelsea Boots



Chunky Boots



Lace Up Boots

All boots



£49.99
5th Avenue
© 2023 5th Avenue Ltd. All Rights Reserved.



£24.99
Graceland
© 2023 Graceland Ltd. All Rights Reserved.



£39.99
Catwalk
© 2023 Catwalk Ltd. All Rights Reserved.



£79.99
5th Avenue
© 2023 5th Avenue Ltd. All Rights Reserved.

Same goes for man and children section

Find a store feature



WOMEN MEN CHILDREN

GB

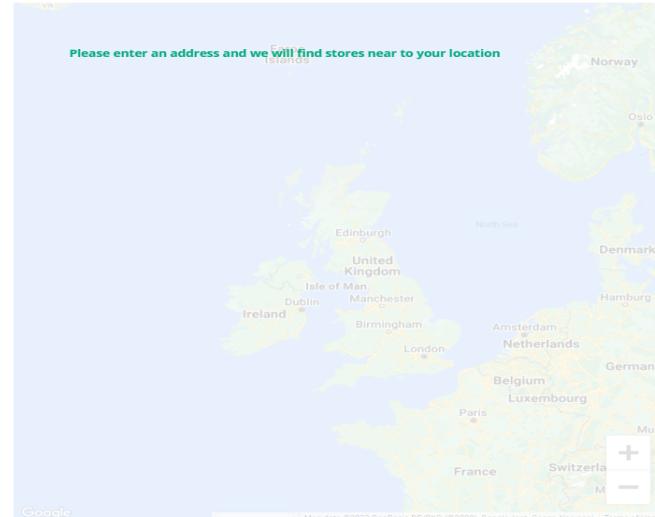
Shoes Bags & Accessories Brands Trend Edits & Inspiration Sale

Search

Find a DEICHMANN store!

Enter your town or postcode and find DEICHMANN stores in your area

Enter a town or postcode



WOMEN MEN CHILDREN

GB

Shoes Bags & Accessories Brands Trend Edits & Inspiration Sale

Search

Find a DEICHMANN store!

Enter your town or postcode and find DEICHMANN stores in your area

London, UK

London, UK

Ukrainian Catholic Cathedral, Duke Street, London, UK

Ukai, Portobello Road, London, UK

UKCBC, Liverpool Street, Dukes Place, London, UK

Ukrainian shop "Albina" (Eastern-European food store),
Barking Road, London, UK

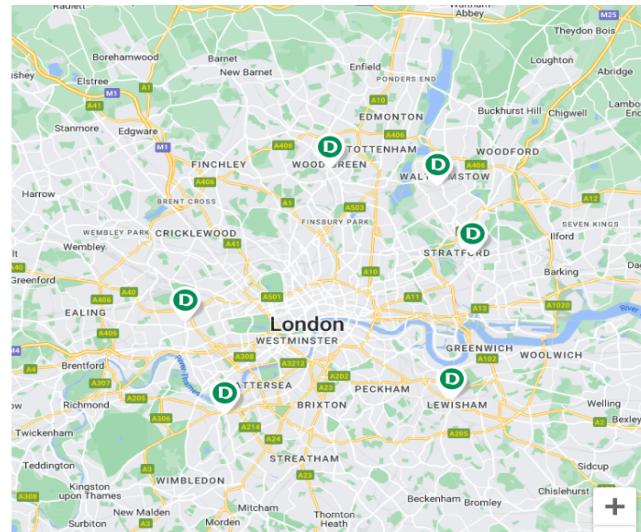
powered by Google

DEICHMANN Lewisham

5.9 miles

Lewisham Shopping Centre 40C
SE13 7Ep Lewisham

6 miles



Find a DEICHMANN store!

Enter your town or postcode and find DEICHMANN stores in your area

London, UK

DEICHMANN White City

4.2 miles

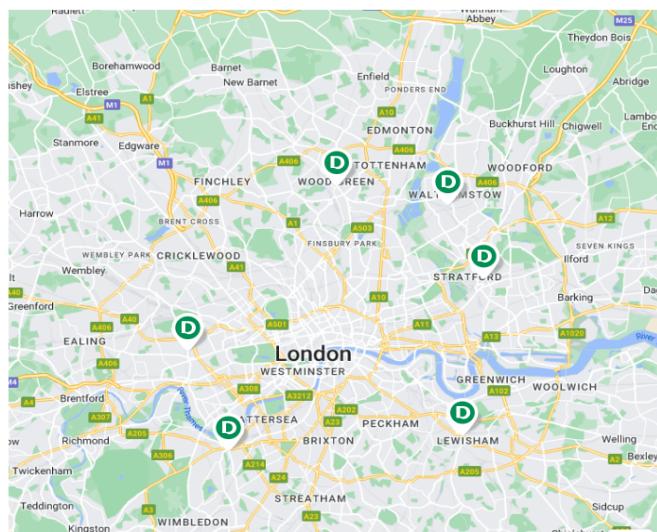
Shepherds Bush
Westfield Shopping Centre 2057
W12 7GA White City

Today 12:00 - 18:00

Mon	10:00 - 22:00
Tue	10:00 - 22:00
Wed	10:00 - 22:00
Thu	10:00 - 22:00
Fri	10:00 - 22:00
Sat	10:00 - 22:00
Sun	12:00 - 18:00

Plan route

Tel: 0208-7404138



Registration and login page section

The screenshot shows the DEICHMANN website's header with navigation links for WOMEN, MEN, and CHILDREN. It includes a search bar and user icons for account and cart. Below the header, there are links for Shoes, Bags & Accessories, Brands, Trend Edits & Inspiration, and Sale. A 'New here' button and a 'Log in' button are visible. The main content area features a 'Log-in' form with fields for Email address and Password, a 'Forgotten your password?' link, and a 'Log-in' button. Below this, a promotional banner reads 'Great value for money at DEICHMANN' with three sub-points: 'High quality at an affordable price', 'Exclusive styles and ranges only at DEICHMANN', and 'Tradition, Experience and Quality'.

My account page section

The screenshot shows the DEICHMANN website's header with navigation links for WOMEN, MEN, and CHILDREN. It includes a search bar and user icons for account and cart. Below the header, there are links for Shoes, Bags & Accessories, Brands, Trend Edits & Inspiration, and Sale. On the left, a sidebar lists account management options: My orders, My details, My addresses, Newsletter, and Logout. The main content area features a 'My account' section with the greeting 'My Account john,'. Below this, a promotional banner reads 'Great value for money at DEICHMANN' with three sub-points: 'High quality at an affordable price', 'Exclusive styles and ranges only at DEICHMANN', and 'Tradition, Experience and Quality'.

Wishlist (favorite) page section

Explore our range of branded trainers from Nike, Adidas, Puma and more! Shop now.
[Women](#) | [Men](#) | [Kids](#)

DEICHMANN WOMEN MEN CHILDREN

Shoes Bags & Accessories Brands Trend Edits & Inspiration **Sale** Search

Your wishlist

2 products

	
£19.99 Catwalk Black and Gold Christmas Collectio...	£24.99 Graceland Camel Suede Mini Fur Lined Ankle ...

Shopping cart page section

DEICHMANN WOMEN MEN CHILDREN

Shoes Bags & Accessories Brands Trend Edits & Inspiration **Sale** Search

Your cart

 Camel Suede Mini Fur Lined Ankle Boot GRACELAND Item number: 1114724 Colour: Brown	£24.99
<input type="button" value="Remove item"/> <input type="button" value="Add to wishlist"/>	<input type="button" value="Pay securely"/>
<input type="button" value="Add voucher code"/>	You can only enter vouchers here. Some vouchers can only be applied to select items. Gift cards can be redeemed at a later time in the checkout. Look for the button: "Add gift card".

DEICHMANN

Delivery method

<input checked="" type="radio"/> Evri £1.99
<input type="radio"/> Evri Express £3.95

Use delivery method

YOUR ORDER [Show details](#)

	1 Item	£24.99
Total	VAT included	£24.99

Newsletter page

The screenshot shows the Deichmann website's newsletter sign-up section. At the top, there's a navigation bar with links for WOMEN, MEN, CHILDREN, and a language switcher (GB). Below the navigation is a search bar. On the left, there's a sidebar with links for My orders, My details, My addresses, Newsletter, and Logout. The main content area is titled "Newsletter" and contains a form for entering an email address. A message says, "I would like to be informed about promotions, news and trends from DEICHMANN." Below the input field, it says, "You can change your email address at any time under 'My details'. Please note that you will need to log in again." There's a "Show my details" button. Under "MY INTEREST SETTINGS", there are three circular icons labeled Women, Men, and Children. Below these, there's a checkbox for accepting the privacy policy. A note says, "If you do not wish to receive newsletters from DEICHMANN, you can unsubscribe from our newsletter." A large green "Subscribe to the newsletter" button is at the bottom.

2. Test Plan

2.1. Scope

Since this is online shop page, plan is to test all features that are most commonly used such as sections (woman, man, children), creating profile, finding certain city on map, adding/deleting from the wishlist, adding/purchasing items in cart, applying for newsletter and finding/applying certain jobs in area.

2.2. Testing Environment and Tools

We are running automated tests with Selenium along with ChromeDriver in the Java programming language. Regarding the IDE, we were using Eclipse. For scrolling and popup messages we are using JavaScript.

3. Test Execution

3.1. Visit Main page and Find Store Section

Open the Deichman main page, accept the cookies and go to the find store page section and search for United Kingdom House, London, UK

Test Name: Find store by city address

Description: Accept cookies and go to the find store section

Pre-condition(s): In order to proceed to the find store section we first need to accept cookies

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Accept cookies</p> <p>2. Assert that it says Discover affordable footwear from the UK's favorite shoe retailer, to be sure we are on the main page</p> <p>3. Click on the find store section</p> <p>4. Click on the slot for entering the address</p> <p>5. Enter Address</p> <p>6. Click to expand address to see working hours</p> <p>7. Click on the plan route button to open google maps</p> <p>8. Ending here since next step is going to google maps</p> <p>Getting back on main page</p> <p>9. Switch to main page</p>	<p>- Asserting that the headline says - Discover affordable footwear from the UK's favorite shoe retailer</p> <p>- Entering the address - United Kingdom House, London, UK</p>	<p>The user is on the main page successfully accepting cookies, asserting the headline and lead to the find store page where the map will show us how many stores are there on our entered address.</p>	<p>The user is successfully landing on the find store page, but since we are running in incognito mode when we click on the plan route button we are not landing on the google maps, rather on the page for consent and login</p>	PASS

Notes: At the beginning of the test we are remembering the page tab so that we can get back at the end. A lot of the page HTML tags are not written good enough so through every test we are encountering certain problems.

```

@Test
void AcceptingCookiesAndFindingStore() throws InterruptedException {

    webDriver.get(baseUrl);
    Thread.sleep(3000);
    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(30));

    //Remember current page tab since we will get back later
    String handle1 = webDriver.getWindowHandle();
    System.out.println(handle1);

    for (String handle: webDriver.getWindowHandles()) {
        if (!handle.equals(handle1)) {
            webDriver.switchTo().window(handle);
            break;
        }
    }
    //Accept cookies
    WebElement acceptCookies = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='consent-layer-modal']/div[3]/div/footer/button[1]")));
    acceptCookies.click();

    //Assert that it says
    String main = webDriver.findElement(By.xpath("//*[@id='Section5Slot-Homepage-Master']/div/div/h1")).getText();
    assertEquals("Discover affordable footwear from the UK's favourite shoe retailer", main);
    Thread.sleep(2000);

    //Click on the find store section
    WebElement findStore = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='MiniCartSlot']/m-mini-cart/div/map[1]/a")));
}

```

```

//Click on the slot for entering the address
WebElement clickAddress = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.cssSelector("#storefinder-default-guest > section"))
);
clickAddress.click();

//Enter Address
WebElement enterAddress = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.cssSelector("#searchInput"))
);
enterAddress.sendKeys("United Kingdom House, London, UK");

webDriver.findElement(By.xpath("//*[@id=\"storefinder-default-guest\"]/span/m-get-predictions/form/button[1]")).click();
Thread.sleep(2000);

//Click to expand address to see working hours
WebElement workingTime = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"storecard-0\"]/section/span[2]"))
);
workingTime.click();

//Click on the plan route button to open google maps
WebElement planRoute = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"storecard-0\"]/section/div[5]/a[1]/button"))
);
planRoute.click();

//Ending here since next step is going to google maps
//Getting back on main page
Thread.sleep(3000);
webDriver.switchTo().window(handle1);
Thread.sleep(2000);

//switch to main page
webDriver.get(baseUrl);
Thread.sleep(2000);
}

```

3.2. Registration and Login

User want to make his account and later login again

Test Name: Register and Login				
Description: Input all necessary info to register or login to shop				
Pre-condition(s):				
Test Steps: 1. Go to the landing page 2. Accept cookies 3. Press the Account button 4. Select Register (New here) 5. Select MR (mister) radio button 6. Insert Name, Surname, email, password, zip code 7. Choose address from presented ones for delivery 8. Confirm entered address 9. Confirm privacy policy and register	Test Data: - Asserting headline text on main page - Shop your favorite brands and sending back message - you logged - entering name, surname, email, password, zip code	Expected Result: The user is taken to the correct page when registering and/or login and getting a message popup when successfully logged.	Actual Result: The user is taken to the correct page (new here) when registering and login when already registered. Getting popup when successfully logged	Status: PASS

10. Logout to perform login
 11.Assert that we are logged out and back to the main page

—Login

- 1.Press Account icon
- 2.Click on login button
3. Insert email and password I in the slot
- 4.Click on login button
- 5.Assert that we are again on main page

Notes: Page is a little slower than chrome driver so sometimes not finding element if not waited enough time

```

@Test
void RegisterAndLogin() throws InterruptedException {
    webDriver.get(baseUrl);
    Thread.sleep(5000);

    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(50));
    JavascriptExecutor js = (JavascriptExecutor) webDriver;

    //Accept cookies
    WebElement acceptCookies = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"consent-layer-modal\"]/div[3]/div/footer/button[1]"))
    );
    acceptCookies.click();
    Thread.sleep(2000);

    //Press the Account button
    WebElement account = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"MiniCartSlot\"]/m-mini-cart/div/map[2]/a"))
    );
    account.click();

    //Select Register (New here)
    WebElement register = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"MiniCartSlot\"]/m-mini-cart/div/map[2]/div/div/a"))
    );
    register.click();

    //Select MR (mister) radio button
    WebElement mr = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/div[2]/form/form/div[1]/div[2]/span/label/span[1]"))
    );
    mr.click();

    //Insert Name
    WebElement name = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.id("delivery-firstName"))
    );
    name.sendKeys("John");

    //Insert Last Name
    WebElement lastName = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.id("delivery-lastName"))
    );
    lastName.sendKeys("Doe");

    //Insert email
    WebElement email = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.id("delivery-email"))
    );
    email.sendKeys("john.doe40@gmail.com");

    //Insert password
    WebElement password = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.id("delivery-password"))
    );
    password.sendKeys("12345678");

    //Insert Zip Code
    WebElement zipCode = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.id("delivery-postalCode"))
    );
    zipCode.sendKeys("L2 2DP");
    zipCode.click();

    webDriver.findElement(By.xpath("//html/body/div[1]/main")).click();
    Thread.sleep(3000);

    //Chose address from presented ones
    WebElement address = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/div[2]/form/form/div[1]/button"))
    );
    address.click();

    WebElement address2 = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"suggested-address\"]/div[3]/div/div[1]/div[1]/span/label/span[2]"))
    );
    address2.click();
}

```

```

//Confirm entered address
WebElement confirm = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"suggested-address\"]/div[3]/div/div[2]/m-button/button")));
confirm.click();

//Confirm privacy policy
WebElement privacy = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/div[2]/form/form/div[2]/div[2]/label/div/span[1]")));
privacy.click();

//Complete registration by pressing register button
WebElement registerButton = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/div[2]/form/form/div[3]/button")));
registerButton.click();

//Logout to perform login
WebElement logout = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/section/aside/a[5]")));
logout.click();

/*//Assert that we are logged out and back to the main page
String main = webDriver.findElement(By.xpath("//*[@id=\"Section1Slot-Homepage-Master\"]/div[1]/div/div/div[1]")).getText();
assertEquals("Shop your favourite brands", main);*/

Thread.sleep(5000);

//LOGIN
//Account icon
WebElement accountLogin = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"MiniCartSlot\"]/m-mini-cart/div/map[2]/a")));
accountLogin.click();

//Click on login button
WebElement login = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"MiniCartSlot\"]/m-mini-cart/div/map[2]/div/div/button")));
login.click();
Thread.sleep(3000);

//Insert email in the slot
webDriver.findElement(By.xpath("//html/body/div[1]/main/div[2]/div/form/fieldset/d-input[1]/div/input")).click();
WebElement emailLogin = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/div[2]/div/form/fieldset/d-input[1]/div/input")));
emailLogin.sendKeys("john.doe@gmail.com");

//Insert password in the slot
webDriver.findElement(By.xpath("//html/body/div[1]/main/div[2]/div/form/fieldset/d-input[2]/div/input")).click();
WebElement passwordLogin = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/div[2]/div/form/fieldset/d-input[2]/div/input")));
passwordLogin.sendKeys("12345678");

//Click on login button
WebElement loginButton = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/div[2]/div/form/fieldset/m-button/button")));
loginButton.click();

Thread.sleep(5000);

//Assert that we are logged and back to the main page
String mainLogged = webDriver.findElement(By.xpath("//*[@id=\"Section1Slot-Homepage-Master\"]/div[1]/div/div/div[1]")).getText();
assertEquals("Shop your favourite brands", mainLogged);
js.executeScript("alert('You are logged!')");
Thread.sleep(3000);

```

3.3. Woman section Shopping

Users want to be able to search through various sections and filter the products.

Test Name: Test woman section shopping				
Description: Check if we can successfully go through woman section, apply certain filters, add to wishlist and cart				
Pre-condition(s): To enter product section you need to be logged in				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:

<p>1.Login to the shop</p> <p>2. Clicking on woman section</p> <p>3. Put sneakers in wishlist</p> <p>4.Click on all trainers to enter new page</p> <p>5.Click on filter button to filter results</p> <p>6.Clear the already put max price and enter new</p> <p>7.Apply price and enter color section</p> <p>8. Choose purple and neutral color</p> <p>9.Assert the number of results</p> <p>10.Upon applying filter show the results</p> <p>11.Add sneakers to wishlist</p> <p>12.Shop Jack Wolfskin sneakers</p> <p>13.Slide down for more pictures</p> <p>14.Open to see size chart numbers and then close</p> <p>15.Add product to the car</p> <p>16. Chose EU size instead of UK</p> <p>17.View the basket you placed the product</p>	<p>Login credentials as that is the prerequisite to enter shopping</p>	<p>The user is taken to a women's section of shopping, entering the sneakers part, putting some in the wishlist and applying filters which results in 17 products. From that 17 products, add one to the wishlist and research another, choose size and put it in the cart.</p>	<p>The user is directed to woman section where does all the mentioned shopping successfully in the end finishing his path at the cart</p>	<p>PASS</p>
---	--	---	---	-------------

Notes: Will not post screenshots of the login process since it is the same as presented above. We just have putted order in test, putting login first and then testWomanShopping

```

@Test
@Order(2)
void WomanShopping() throws InterruptedException {
    Thread.sleep(5000);

    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(50));
    JavascriptExecutor js = (JavascriptExecutor) webDriver;

    //Clicking on woman section
    WebElement woman = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='HeaderLinksSlot']/nav/ul/li[1]/a"))
    );
    woman.click();

    //Put sneakers in wishlist
    WebElement sneakersfav = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='Section1Slot-Homepage-Master']/div[3]/div/div/div[2]/div/div/div[1]/div[2]/div[2]/article/form/button"))
    );
    sneakersfav.click();

    //Click on all trainers to enter new page
    WebElement trainersSection = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='Section1Slot-Homepage-Master']/div[3]/div/div/div[1]/a"))
    );
    trainersSection.click();

    //Click on filter button to filter results
    WebElement filter = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='anchor_productGrid']/div[1]/section[1]/label/span[1]"))
    );
    filter.click();

    //Clear the already put max price and enter new
    WebElement max = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.id("max-price"))
    );
    max.clear();
}

```

```

Thread.sleep(4000);
//Apply price and enter color section
WebElement colorSection = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='anchor_productGrid']/div[1]/section[1]/form/section[4]/section/label[3]/i")));
colorSection.click();

Thread.sleep(4000);
//Choose purple color
WebElement purple = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='anchor_productGrid']/div[1]/section[1]/form/section[4]/section/label[8]/i")));
purple.click();

Thread.sleep(4000);
//Choose neutral color
WebElement neutral = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='anchor_productGrid']/div[1]/section[1]/form/section[4]/section/label[9]/i")));
neutral.click();

Thread.sleep(2000);
//Assert the number of results
String filterResults = webDriver.findElement(By.xpath("//*[@id='anchor_productGrid']/div[1]/section[1]/form/label/button/span")).getText();
assertEquals("17 Show results", filterResults);
js.executeScript("alert('You have 17 results displayed here!')");
Thread.sleep(6000);

//Upon applying filter show the results
WebElement showFilter = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='anchor_productGrid']/div[1]/section[1]/form/label")));
showFilter.click();
Thread.sleep(4000);

//Add sneakers to wishlist
WebElement wishlist = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='product-list']/article[6]/form/button")));
wishlist.click();

//Shop Jack Wolfskin sneakers
WebElement shopSneakers = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='product-list']/article[2]/a")));
shopSneakers.click();

//Slide down for more pictures
WebElement pictures = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("/html/body/div[1]/main/div[1]/div[1]/section/product-slider/div[1]/div[3]/div")));
pictures.click();

//Open to see size chart numbers and then close
WebElement sizeChartOpen = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("/html/body/div[1]/main/div[1]/div[2]/section[3]/m-product-size-table/div/a/span")));
sizeChartOpen.click();

WebElement sizeChartClosed = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='size-selection-overlay']/div[3]/header/a")));
sizeChartClosed.click();

Thread.sleep(4000);
//Add product to the cart
WebElement addToCart = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("/html/body/div[1]/main/div[1]/div[2]/section[4]/div/form/button")));
addToCart.click();

Thread.sleep(4000);
//Choose EU size instead of UK
WebElement eu = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='sizes-modal']/div[3]/div/nav/div/ul[1]/li[2]")));
eu.click();
Thread.sleep(4000);

//Choose available size
WebElement size = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='m-option-19']/span")));
size.click();
Thread.sleep(4000);

//View the basket you placed the product
WebElement basket = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='added-modal_desktop']/div[3]/div/div/div[2]/a[2]")));
basket.click();
Thread.sleep(4000);

```

3.4. Man section Shopping

Users want to be able to search through various sections and filter the products.

Test Name: Test man section shopping

Description: Check if we can successfully go through man section, apply certain filters,

add to wishlist and cart				
Pre-condition(s): To enter product section you need to be logged in				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1.Login to the shop</p> <p>2. Clicking on man section</p> <p>3. Choose addidas brand section</p> <p>4.Add black socks to favorite</p> <p>5.Click on filter button to filter results</p> <p>6.Clear and put min price to 40</p> <p>7.Clear and put max price as 55</p> <p>8. Select olive color</p> <p>9.Assert the filter results</p> <p>10.Upon applying filter show the results</p> <p>11.Enter filter section again</p> <p>12.Add another color to the filter</p> <p>13.Upon adding new color show results again</p> <p>14.Enter into product details</p> <p>15.Expand the material details about the product</p> <p>16. Add product to the shopping cart</p> <p>17.Select EU size instead of UK</p> <p>18.Choose size from available ones</p> <p>19.View basket in which you purchased products</p> <p>20.Assert current price in the cart after woman and man shopping</p>	<p>Login credentials as that is the prerequisite to enter shopping</p> <p>-changing min and max price in the filter section</p> <p>-asserting that the final price in the cart until now is 92.98</p>	<p>The user is taken to a man's section of shopping, entering the addidas brand part, putting some in the wishlist and applying filters, but he is not satisfied with the result so enters the filter section again and adds blue color. From that result choose sneakers and proceed to details and after choosing number going to the cart where he gets popup message how much his order until now.</p>	<p>The user is directed to mansection where does all the mentioned shopping successfully in the end finishing his path at the cart and getting the popup message about the price</p>	PASS
Notes: Will not post screenshots of the login process since it is the same as presented above. We just have putted order in test, putting login first and then testWomanShopping				

```

@Page
@Order(2)
void MainShopping() throws InterruptedException {
    Thread.sleep(5000);

    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(50));
    JavascriptExecutor js = (JavascriptExecutor) webDriver;

    Thread.sleep(5000);
    //Clicking on men section
    WebElement man = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"HeaderLinksSlot\"]/nav/ul/li[2]/a")));
    man.click();

    Thread.sleep(5000);

    //Choose addidas brand section
    WebElement addidas = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"Section1Slot-Homepage-men-Master\"]/div[5]/div/div/div/div[1]/div[3]/div[2]/a/picture/img")));
    addidas.click();
    Thread.sleep(5000);

    //Add black socks to favorite
    WebElement socks = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"product-list\"]/article[16]/form/button")));
    socks.click();
    Thread.sleep(5000);

    //Click on filter button to filter results
    WebElement filter = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"anchor_productGrid\"]/div[1]/section[1]/label/span[1]")));
    filter.click();
    Thread.sleep(5000);

    //Clear and put min price to 40
    WebElement min = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.id("min-price")));
    min.clear();
    Thread.sleep(5000);
    min.sendKeys("40");
    Thread.sleep(4000);

    //Clear and put max price as 55
    WebElement max = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.id("max-price")));
    max.clear();
    Thread.sleep(5000);
    max.sendKeys("50");
    Thread.sleep(4000);

    //Select olive color
    WebElement olive = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"anchor_productGrid\"]/div[1]/section[1]/form/section[4]/section/label[6]/i")));
    olive.click();
    Thread.sleep(5000);

    //Assert the filter results
    String filterResults = webDriver.findElement(By.xpath("//*[@id=\"anchor_productGrid\"]/div[1]/section[1]/form/button/span")).getText();
    assertEquals("2 Show results", filterResults);
    js.executeScript("alert('You have 2 results displayed here!')");
    Thread.sleep(6000);

    //Upon applying filter show the results
    WebElement showFilter = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"anchor_productGrid\"]/div[1]/section[1]/form/label")));
    showFilter.click();

    //Enter filter section again
    Thread.sleep(3000);
    filter.click();

    //Add another color to the filter
    WebElement color = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"anchor_productGrid\"]/div[1]/section[1]/form/section[4]/section/label[2]/i")));
    color.click();
    Thread.sleep(5000);

    //upon adding new color show results again
    WebElement showFilterAgain = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"anchor_productGrid\"]/div[1]/section[1]/form/label")));
    showFilterAgain.click();
    Thread.sleep(5000);
}

```

```

//Enter into product details
WebElement product = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='product-list']/article[3]/a")));
product.click();
Thread.sleep(4000);

//Expand the material details about the product
WebElement materialDetails = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='product-details']/section/m-product-classification/section/details/summary")));
materialDetails.click();
Thread.sleep(5000);

//Add product to the shopping cart
WebElement cart = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/div[1]/div[2]/section[4]/div/form/button/span")));
cart.click();
Thread.sleep(5000);

//Select EU size instead of UK
WebElement eu = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='sizes-modal']/div[3]/div/nav/div/ul[1]/li[2]")));
eu.click();
Thread.sleep(4000);

//Choose size from available ones
WebElement size = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='m-option-l']/span")));
size.click();
Thread.sleep(4000);

//View basket in which you purchased products
WebElement basket = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='added-modal_desktop']/div[3]/div/div/div[2]/a[2]")));
basket.click();
Thread.sleep(4000);

//Assert current price in the cart after woman and man shopping
WebElement price = webDriver.findElement(By.xpath("//html/body/div[1]/main/div/div[1]/div[2]/section[1]/div[1]/p[2]"));
String text = price.getText();
assertEquals("#92.98", text);
js.executeScript("alert('Be careful, until now you have £92.98 ')");

```

3.5. Children section Shopping

Users want to be able to search through various sections and filter the products.

Test Name: Test children section shopping				
Description: Check if we can successfully go through children section, apply certain filters, add to wishlist and cart				
Pre-condition(s): To enter product section you need to be logged in				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.Login to the shop 2. Clicking on children section 3. Enter toddler section 4.Enter babies section 5.Click on the filter button to filter the products 6.Click on the relevance slot to change from low to high 7.Filter by pink color 8. Upon applying filter show the results	Login credentials as that is the prerequisite to enter shopping	The user is taken to a children's section of shopping, entering the toddler section and then babies part, applying filters to range from low to high prices and putting pink color. From that	The user is directed to children section where does all the mentioned searching successfully in the end finishing his path in the wishlist since the product is out of the stock for numbers that fits him	PASS

<p>9.Choose pepapig slippers</p> <p>10.See in which store is available</p> <p>11.Choose EU instead of UK</p> <p>12.Exit the details about availability of the product</p> <p>13.Click on heart button and put it in wishlist</p> <p>14.Enter into product details</p> <p>15.Expand the material details about the product</p> <p>16. Add product to the shopping cart</p> <p>17.Select EU size instead of UK</p> <p>18.Choose size from available ones</p> <p>19.View basket in which you purchased products</p> <p>20.Assert current price in the cart after woman and man shopping</p>		<p>result choose pepapig slippers and proceed to details but it is out of stock online and online in size 28 in stores, so he puts it in the wishlist to consider.</p>		
--	--	--	--	--

Notes: Will not post screenshots of the login process since it is the same as presented above. We just have putted order in test, putting login first and then testWomanShopping

```
@Test
@Order(2)
void ChildrenShopping() throws InterruptedException {
    Thread.sleep(5000);

    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(50));
    //JavascriptExecutor js = (JavascriptExecutor) webDriver;

    Thread.sleep(5000);
    //Clicking on children section
    WebElement children = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='HeaderLinksSlot']/nav/ul/li[3]/a")));
    children.click();
    Thread.sleep(4000);

    //Enter toddler section
    WebElement toddler = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='Section1Slot-Homepage-kids-Master']/div[2]/div/div/div[2]/div/div/div/div[3]/div[2]/a/picture/img")));
    toddler.click();
    Thread.sleep(4000);

    //Enter babies section
    WebElement babies = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='SubnavigationSlot']/m-y-category-navigation/ul/li[2]/ul/li[4]/ul/li[2]/a")));
    babies.click();
    Thread.sleep(4000);

    //Click on the filter button to filter the products
    WebElement filter = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='anchor_productGrid']/div[1]/section[1]/label/span[1]")));
    filter.click();
    Thread.sleep(4000);
```

```

//Click on the relevance slot to change from low to high
WebElement relevanceSlot = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"anchor_productGrid\"]/div[1]/section[1]/form/section[1]/details/summary")));
relevanceSlot.click();

WebElement lowToHigh = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"anchor_productGrid\"]/div[1]/section[1]/form/section[1]/details/ul/li[4]/label")));
lowToHigh.click();
Thread.sleep(4000);

//Filter by pink color
WebElement pink = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"anchor_productGrid\"]/div[1]/section[1]/form/section[4]/section/label[2]/i")));
pink.click();
Thread.sleep(4000);

//Upon applying filter show the results
WebElement showFilter = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"anchor_productGrid\"]/div[1]/section[1]/form/label")));
showFilter.click();
Thread.sleep(4000);

//Choose pink slippers
WebElement product = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"product-list\"]/article[1]/a")));
product.click();
Thread.sleep(3000);

//See in which store is available
WebElement available = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"searchInStoreDesktop\"]/a/a/m-branch-search-in-store/button/span")));
available.click();
Thread.sleep(3000);

//Choose EU instead of UK
WebElement eu = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"sizes-modal\"]/div[3]/div/nav/div[1]/li[2]")));
eu.click();
Thread.sleep(4000);

//Exit the details about availability of the product
WebElement exit = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"sizes-modal\"]/div[3]/header/a")));
exit.click();
Thread.sleep(4000);

//Click on heart button and put it in wishlist
WebElement wish = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/div[1]/div[2]/section[4]/form/button")));
wish.click();

Thread.sleep(3000);

//now entering wishlist- favourite in next test

```

3.6. Wishlist State after shopping

User wants to be able to put products on a wishlist to access it faster next time and maybe add them to cart later

Test Name: Test wishlist section				
Description: Check what is in wishlist section after shopping				
Pre-condition(s): To enter product section you need to be logged in				
Test Steps: 1.Login to the shop 2. Clicking on wishlist section 3. Click on x to exclude the black sneakers	Test Data: Login credentials as that is the prerequisite to enter shopping	Expected Result: The user is taken to a wishlist section of shopping,	Actual Result: The user is directed to the wishlist where he successfully	Status: PASS

from wishlist 4Add product from wishlist to the cart 5.Choose EU instead of the UK 6.Choose available size 7.Add to the cart and go to the basket to see the added product		there he exudes the first product and adds the sneakers to his cart, choosing size and then proceeding to the cart	deletes the black sneakers and adds white ones to the cart, choosing the size and completing to the cart	
--	--	--	--	--

Notes: Will not post screenshots of the login process since it is the same as presented above. We just have putted order in test, putting login first and then testWomanShopping

```

@Test
@Order(2)
void Wishlist() throws InterruptedException {
    Thread.sleep(5000);

    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(50));
    //JavascriptExecutor js = (JavascriptExecutor) webDriver;

    Thread.sleep(5000);

    //Clicking on wishlist section
    WebElement wishlistSection = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"MinicartSlot\"]//m-mini-cart/div/map[3]/a")));
    wishlistSection.click();
    Thread.sleep(4000);

    WebElement enter = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"MinicartSlot\"]//m-mini-cart/div/map[3]/div/div/section/button")));
    enter.click();
    Thread.sleep(4000);

    //Click on x to exclude the black sneakers from wishlist
    WebElement black = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"product-list\"]/article[1]/form/button")));
    black.click();
    Thread.sleep(4000);

    //Add product from wishlist to the cart
    WebElement cart = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"product-list\"]/article[1]/div/button")));
    cart.click();
    Thread.sleep(4000);

    //Choose EU instead of the UK
    WebElement eu = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"sizes-modal-02098277\"]/div[3]/div/nav/div/ul[1]/li[2]")));
    eu.click();
    Thread.sleep(4000);

    //Choose available size
    WebElement size = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"m-option-1\"]/span")));
    size.click();
    Thread.sleep(4000);

    //Add to the cart and go to the basket to see the added product
    WebElement basket = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"added-modal_desktop\"]/div[3]/div/div/div[2]/a[2]")));
    basket.click();
    Thread.sleep(4000);

    //finishing here - going to next test to test the cart functionalities
}

```

3.7. Cart State after shopping

Users want to be able to purchase products online and track the total price of the products.

Test Name: Test cart section

Description: Check what is in cart section after shopping				
Pre-condition(s): To enter product section you need to be logged in				
Test Steps: 1.Login to the shop 2. Open cart to see the added products 3. Assert how much money you are saving 4. Proceed to the payment page	Test Data: Login credentials as that is the prerequisite to enter shopping -assertion 14 pounds savings	Expected Result: The user is taken to a cart section of shopping, there is presented with the product he choose through shopping and proceeds to the payment	Actual Result: The user is directed to the cart where he successfully sees all the products, gets the popup message how much money he is saving and then proceeding to the payment	Status: PASS

Notes: Will not post screenshots of the login process since it is the same as presented above. We just have putted order in test, putting login first and then testWomanShopping

```

@Test
@Order(2)
void Cart() throws InterruptedException {
    Thread.sleep(5000);

    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(50));
    JavascriptExecutor js = (JavascriptExecutor) webDriver;

    Thread.sleep(5000);

    //Open cart to see the added products
    WebElement cart = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='MiniCartSlot']/m-mini-cart/div/map[4]/a")));
    cart.click();
    Thread.sleep(4000);

    //Assert how much money you are saving
    WebElement saving = webDriver.findElement(By.xpath("//html/body/div[1]/main/div/div[1]/div[2]/section[1]/div[2]/p"));
    String text2 = saving.getText();
    assertEquals("Savings £14.00", text2);
    js.executeScript("alert('Great, you are saving 14 ')");
    Thread.sleep(3000);

    //Proceed to the payment page
    WebElement payment = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/div/div[1]/div[2]/span[1]")));
    payment.click();
    Thread.sleep(4000);

    //Since this is real site we will not continue with further payment
}

```

3.8. Testing contact form

User want to be able to contact support team regarding various problems/questions.

Test Name: Test contact form section
Description: Check if we are able to sent our request through contact form
Pre-condition(s): To fill in the contact form and send you need to be logged in

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1.Clicking on contact from to enter form 2.Click on the circle to select male 3. Insert Name, surname and email 4. Insert town 5. Choose the reason you are contacting them from dropdown 6. Insert text stating your request or problem 7. Click on the button to submit your message</p>	<p>-login credentials(email and password) -contact form info (name,surname, email, city, and the text stating the request)</p>	<p>The user is taken to a FAQ page where there is contact form, then on the contact form where he fills the needed info and sends the message getting the popup message.</p>	<p>The user is directed to contact form where he enters all the information stating the reason for request and message, and upon submitting getting the popup message saying he successfully sent the message</p>	PASS but also potential fail

Notes: Will not post screenshots of the login process since it is the same as presented above. We just have putted order in test, putting login first and then testWomanShopping

```

@Order(2)
void contact() throws InterruptedException {
    Thread.sleep(5000);

    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(50));
    JavascriptExecutor js = (JavascriptExecutor) webDriver;

    Thread.sleep(5000);

    webDriver.get("https://www.deichmann.com/en-gb/faq");
    Thread.sleep(2000);

    //Clicking on contact from to enter form
    WebElement contact = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='Section1Slot-cmsitem_00050034']/div[2]/div/div/div/div[4]/div[2]/a/picture/img"))
    );
    contact.click();
    Thread.sleep(2000);

    //Click on the circle to select male
    WebElement male = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='Section1Slot-KontaktPage']/m-y-contact-form/div/form/div[1]/span[2]/label/span"))
    );
    male.click();
    Thread.sleep(2000);

    //Insert Name
    WebElement name = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='Section1Slot-KontaktPage']/m-y-contact-form/div/form/div[2]/input"))
    );
    name.sendKeys("John");
    Thread.sleep(2000);

    // Insert Last Name
    WebElement lastName = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='Section1Slot-KontaktPage']/m-y-contact-form/div/form/div[3]/input"))
    );
    lastName.sendKeys("Doe");
    Thread.sleep(2000);

    // Insert email
    WebElement email = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='Section1Slot-KontaktPage']/m-y-contact-form/div/form/div[4]/input"))
    );
    email.sendKeys("john.doe@gmail.com");
    Thread.sleep(2000);

    //insert town
    WebElement town = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='Section1Slot-KontaktPage']/m-y-contact-form/div/form/div[8]/input"))
    );
    town.sendKeys("London");
    Thread.sleep(2000);

    //Choose the reason you are contacting them from dropdown
    webDriver.findElement(By.xpath("//html/body/div[1]/main/m-slot[2]/m-y-contact-form/div/form/div[10]/select")).click();
    Select reason = new Select (webDriver.findElement(By.xpath("//html/body/div[1]/main/m-slot[2]/m-y-contact-form/div/form/div[10]/select")));
    reason.selectByIndex(0);
    Thread.sleep(3000);
}

```

This test is also potential fail since the link for the FAQ questions where the contact form is, is not responding from any of the HTML tags. Could not be accessed through xpath or similar ways, instead we went with direct link access.

```

//Insert text stating your request or problem
WebElement problem = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='Section1Slot-KontaktPage']/m-y-contact-form/div/form/div[13]/textarea"))
);
problem.sendKeys("I want to know how much orders I have successfully done in past years");
Thread.sleep(2000);

//Click on the button to submit your message
WebElement submit = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='Section1Slot-KontaktPage']/m-y-contact-form/div/form/button"))
);
submit.click();
Thread.sleep(3000);

//Assert that the message has been sent
String submitted = webDriver.findElement(By.xpath("//*[@id='HiddenContentSlot-KontaktPage']/div[2]/div")).getText();
assertEquals("Your request is on its way to us.\n" +
    + "We'll get back to you as soon as possible!", submitted);
js.executeScript("alert('You have sucessfully sent your message!')");
Thread.sleep(6000);

```

3.9. Testing newsletter form

User wants to get frequent updates regarding the products for women, men and children.

Test Name: Test newsletter form section				
Description: Check if we are able to sent register to a newsletter				
Pre-condition(s): To fill in the contact form and send you need to be logged in				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Open your account to be able to enter the newsletter 2. open newsletter form 3. Click to check for which products you are interested in 4. Click to accept the terms of privacy policy 5. If all is true, submit the request to receive newsletter	-login credentials(email and password)	The user is redirected to his account details where he enters the newsletter form, selecting for which categories he wants to get the newsletter, accepting privacy policy and submitting the form.	The user is directed to the account where enters the newsletter form, enters data needed, accepts policy and submit the newsletter form.	PASS but also potential fail
Notes: Will not post screenshots of the login process since it is the same as presented above. We just have putted order in test, putting login first and then testWomanShopping				

```

@Test
@Order(2)
void Newsletter() throws InterruptedException {
    Thread.sleep(5000);

    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(50));
    JavascriptExecutor js = (JavascriptExecutor) webDriver;
    Thread.sleep(5000);

    //Open your account to be able to enter the newsletter
    WebElement account = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"MiniCartSlot\"]//m-mini-cart/div/map[2]/a")));
    account.click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div[1]/main/section/section/m-accountcontentpage/section")).click();
    Thread.sleep(4000);

    //open newsletter form
    WebElement newsletter = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/section/aside/a[4]")));
    newsletter.click();
    Thread.sleep(2000);

    //click for which products you are interested in
    WebElement woman = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/section/section/main/section/form/form/div[1]/div[1]")));
    woman.click();
    Thread.sleep(2000);

    WebElement man = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/section/section/main/section/form/form/div[1]/div[2]")));
    man.click();
    Thread.sleep(2000);
    WebElement children = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/section/section/main/section/form/form/div[1]/div[3]")));
    children.click();
    Thread.sleep(2000);

    //click to accept the terms of privacy policy
    WebElement policy = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/section/section/main/section/form/form/div[2]/label/span[1]")));
    policy.click();
    Thread.sleep(2000);

    //If all is true, submit the request to receive newsletter
    WebElement submit = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div[1]/main/section/section/main/section/form/form/button")));
    submit.click();
    Thread.sleep(5000);
}

```

3.10. Testing career page

Users want to be able to see, track their business and apply for certain available positions.

Test Name: Test career page				
Description: Check if we are able to navigate through career page and apply to job				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Open main shop page 2. Scroll down and navigate to the career page 3. Accept the cookies on career page 4. Enter careers section	-info regarding the city area and range	The user is redirected to the main shop page where scroll until bottom and clicks and enters the career	The user is directed to the main shop page and then to the career page. Successfully search through	PASS but also potential fail

<p>page</p> <p>5.Enter retails roles details</p> <p>6. Scroll down and open People section for more details</p> <p>7.Scroll down and open vacancies for more details</p> <p>8.Click on wanted roles to search for job in your area</p> <p>9. Type in the area that fits you - city and range</p> <p>10.Click on the button to search for this parameters</p> <p>11. Scroll down and click on the job</p> <p>//This is real life page I will not proceed since this is real job post</p>		<p>section and research. Enters vacancies page where he enters which roles satisfy him and enters the city and range which helps in search. He gets the list of the jobs displayed, choose one of them and clicks next where enters his credentials</p>	<p>pages and get to the vacancies where entered needed data and get the list of available jobs in that city and area.</p>	
---	--	---	---	--

Notes: Similar to the FAQ page, links on the bottom of the page are not recognizable by our tools.

```

@Test
@Order(2)
void Career() throws InterruptedException {
    webDriver.get(baseUrl);
    Thread.sleep(5000);
    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(50));
    JavascriptExecutor js = (JavascriptExecutor) webDriver;

    //Accept cookies
    WebElement acceptCookies = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"consent-layer-modal\"]//div[3]/div/footer/button[1]"))
    );
    acceptCookies.click();
    Thread.sleep(2000);

    js.executeScript("window.scrollBy(0, 8500)");
    Thread.sleep(2000);
    js.executeScript("window.location = 'https://corpsite.deichmann.com/gb-en/careers/'");
    Thread.sleep(4000);
    //Try with side link of career_roles

    //Accepting the cookies
    WebElement acceptCookies2 = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"CybotCookiebotDialogBodyLevelButtonLevelOptinAllowAll\"]"))
    );
    acceptCookies2.click();

    //Enter careers section page
    WebElement careers = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"menu-item-20620\"]/a"))
    );
    careers.click();
    Thread.sleep(3000);
    webDriver.get("https://corpsite.deichmann.com/gb-en/careers/career-roles/");
    Thread.sleep(5000);

    //Enter retails roles details
    WebElement retail = wait.until(
        ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"attachment_20480\"]/a/img"))
    );
    retail.click();
    Thread.sleep(3000);
}

```

```

//Scroll down and open People section for more details
JavascriptExecutor career = (JavascriptExecutor) webDriver;
career.executeScript("window.scrollBy(0, 700)");
Thread.sleep(2000);
career.executeScript("window.location = 'https://corpsite.deichmann.com/gb-en/careers/people/'");
Thread.sleep(4000);

//Scroll down and open vacancies for more details
JavascriptExecutor vacancies = (JavascriptExecutor) webDriver;
vacancies.executeScript("window.scrollBy(0, 600)");
Thread.sleep(2000);
vacancies.executeScript("window.location = 'https://www.deichmann.com/engage/jobexchange/searchJobOffersQuick.do?j=UK_myjobexchange'");

//Click on wanted roles to search for job in your area
WebElement role1 = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/table/tbody/tr[7]/td[2]/form/table/tbody/tr[3]/td[2]/input[2]")));
role1.click();
Thread.sleep(3000);

WebElement role2 = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/table/tbody/tr[7]/td[2]/form/table/tbody/tr[4]/td[2]/input[2]")));
role2.click();
Thread.sleep(3000);

//Type in the area that fits you - city and range
WebElement city = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='geoLocAddress']")));
city.sendKeys("London UK");
Thread.sleep(3000);

WebElement area = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id='geoLocCircumference']")));
area.sendKeys("150");
Thread.sleep(3000);

//Click on the button to search for this parameters
WebElement search = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/table/tbody/tr[7]/td[2]/form/table/tbody/tr[9]/td/input[1]")));
search.click();
Thread.sleep(3000);

//Scroll down and click on the job
JavascriptExecutor job = (JavascriptExecutor) webDriver;
job.executeScript("window.scrollBy(0, 600)");
job.executeScript("window.location = 'https://www.deichmann.com/engage/jobexchange/showJobOfferDetail.do?jobOfferId=2c92820e81cccd6180185819ad4c3122c&j=U');
Thread.sleep(4000);

WebElement jobPost = wait.until(
    ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/table/tbody/tr[7]/td[2]/div/table[2]/tbody/tr[3]/td[2]/input[2]")));
jobPost.click();
Thread.sleep(3000);

//This is real life page I will not proceed since this is real job post
}

}

```

9. Conclusion

9.1. Testing Summary

Testing Tool	Total Tests	Passed Tests	Failed Tests
As mentioned above we were using Selenium automated testing with the ChromeDriver, test written in Java language with some lines regarding scrolling and opening new page with JavaScript	10	10	0

9.2. Final Thoughts

For one online shop page I can, it is seriously flawed as it caused me much trouble. One of the main issues is a lot of non-interactable elements or intractable elements in a really inaccessible manner. Sections and divs could be written more clearly and ‘prettier’, cleaner let’s say.

Among issues I would like to mention lack of unique IDs on elements, especially ones regarding the user data and products.

Slow response and delays were also one of major problems since ChromeDriver is doing his job much faster than a regular human user.

To support my statements I did the test of performance with the Google tool called [Lighthouse](#).

