SOFTWARE VERIFICATION, VALIDATION AND TESTING

FASHION&FRIENDS

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1. Introduction

1.1. About the Project

The tested page is the Fashion Friends page in Bosnia and Herzegovina.This page has great design and great functionalities, which I tested. page allows users to have their own profile and make orders to their address.

Link: https://www.fashionandfriends.com/ba/

1.2. Project Functionalities and Screenshots

1.Registration and login

These are common functionalities for pages. User can create their own profile and login on it.

2. Choose what you want to buy.

This page gives you multiple options about clothing. With a simple click, you can choose what interests you from many options (clothes, shoes, backpacks, brands)
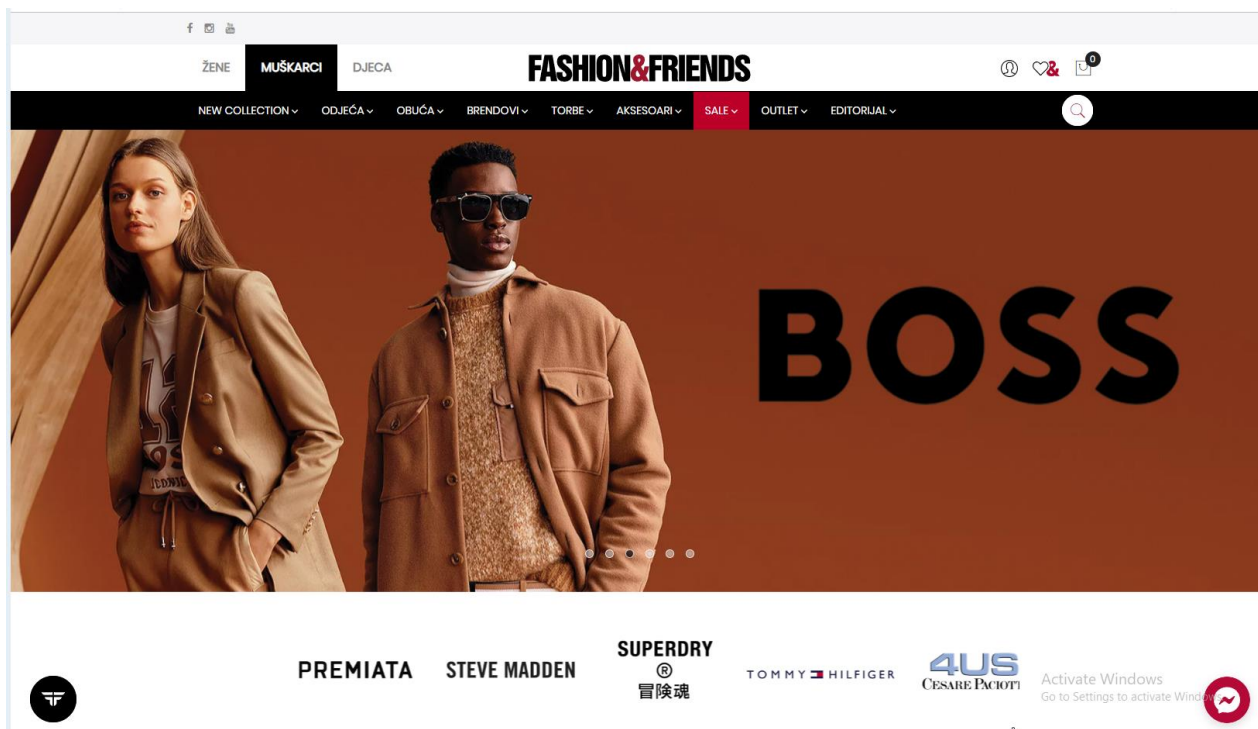
3. Putting something in the shopping cart

By clicking on this page, you add your items to the cart, which updates with your click.
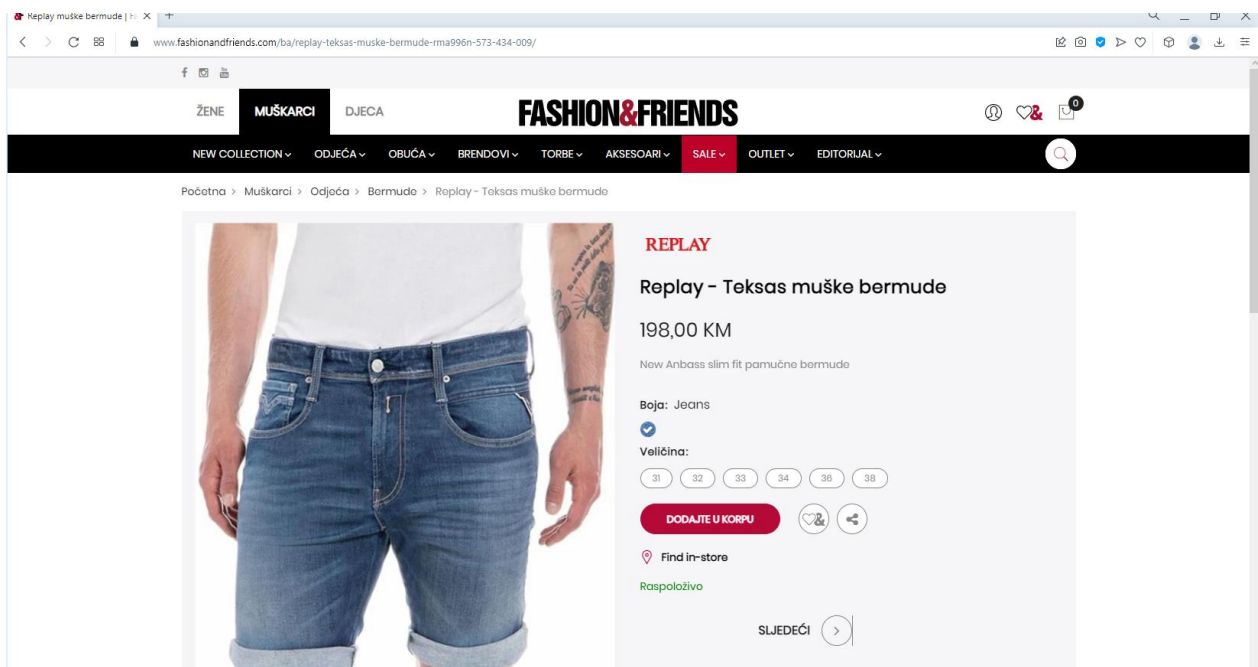
4. Checking the cart and placing the order

To check the cart, click on the cart in the upper right corner.
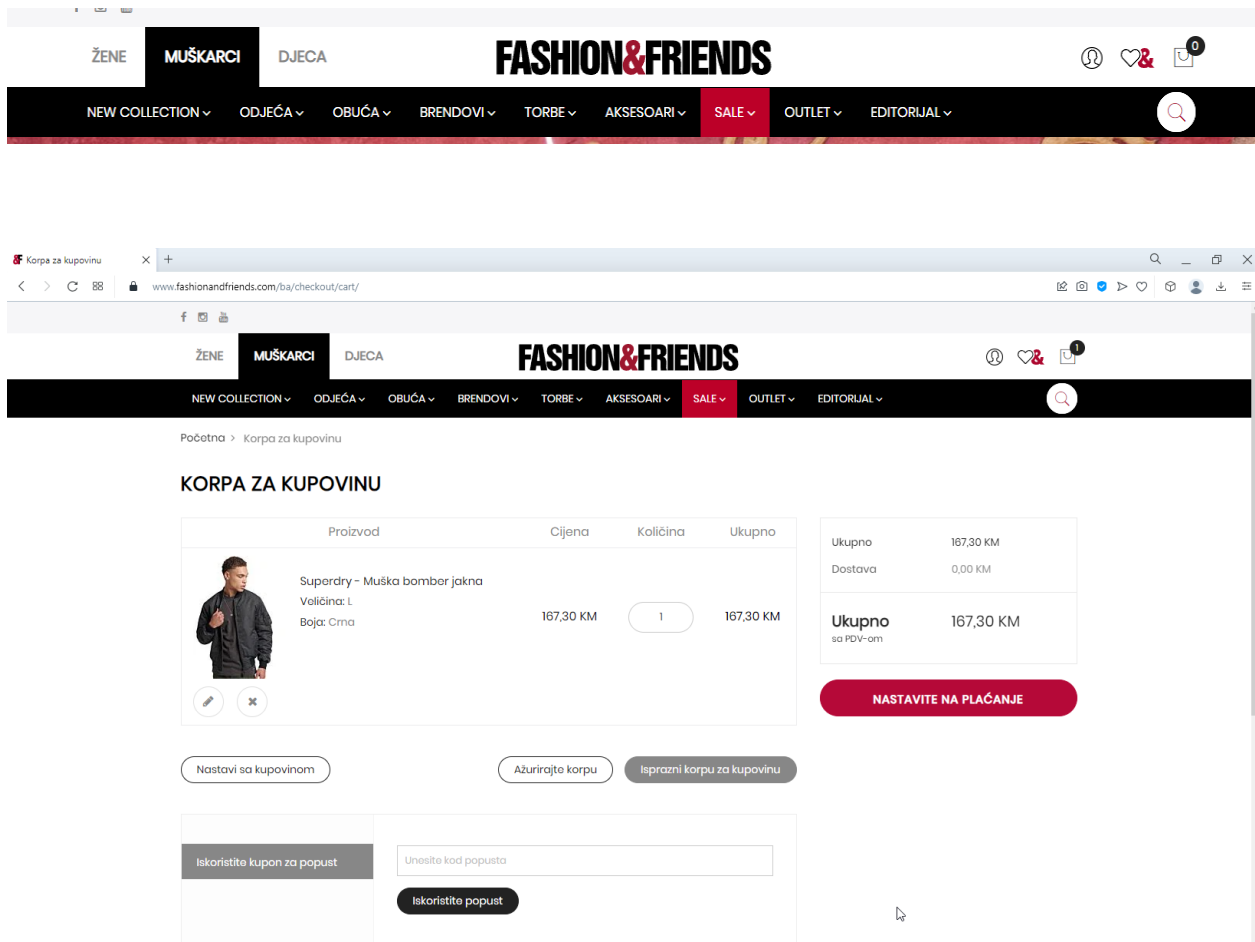
After clicking on the cart, it shows you the final price and the items you put in it.

By clicking "Continue with Payment," the page asks you to fill out some basic information.

so they can send you an order.
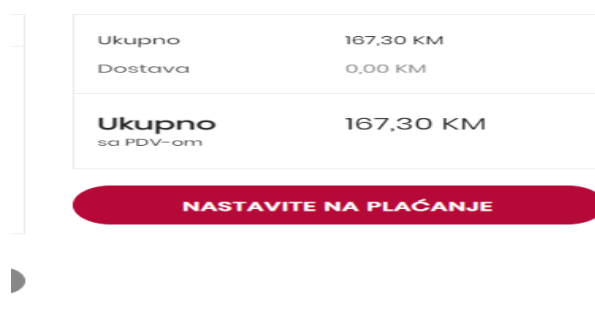
2. Test Plan

2.1. Scope

I plan to test some of the basic functionalities on this page that are necessary for a clothing store.

My strategy was to begin with the fundamentals and work my way up with each new test.

2.2. Testing Environment and Tools

Tests are written in the Java programming language, as part of which we have implemented Selenium as a dependency in order for it to be successfully executed in Eclipse.

3. Test Execution

3.1. Test Scenario Name

Test Name: Test Title and Click				
Pre-condition(s): Maximize page				
Test Steps:	**Test Data:**	**Expected Result:**	**Actual Result:**	**Status:**
1. Go to the site page. 2. Click on the button "Muškarci". 3.Get the title from "Muškarci". 4.Check if title is equal as given title. 5.Click on the button "Žene". 6.Check if title is equal as given title. 7.Click on the button "Djeca". 8.Check if title is equal as given title.	/	Test returns true titles on the page are equal to the given titles.	Test returns true titles on the page are equal to the given titles.	PASS
Notes:				

```
34 @Test
35
36    void test1TitleiClick() throws InterruptedException {
37        webDriver.get("https://www.fashionandfriends.com/ba/");
38        WebElement muskarci=webDriver.findElement(By.xpath("//*[@id=\"ui-id-8\"]/span[1]"));
39        Thread.sleep(2000);
40        muskarci.click();
41        Thread.sleep(2000);
42        String title="Najnovije muške kolekcije | Fashion&Friends";
43        assertEquals(title,webDriver.getTitle());
44        Thread.sleep(2000);
45        Thread.sleep(2000);
46        WebElement zene=webDriver.findElement(By.xpath("//*[@id=\"ui-id-2\"]/span[1]"));
47        zene.click();
48        webDriver.getCurrentUrl();
49        assertEquals("Najnovije ženske Kolekcije | Fashion&Friends",webDriver.getTitle());
50        Thread.sleep(2000);
51        WebElement djeca=webDriver.findElement(By.xpath("//*[@id=\"ui-id-14\"]"));
52        Thread.sleep(3000);
53        djeca.click();
54        Thread.sleep(2000);
55        webDriver.getCurrentUrl();
56        assertEquals("Djeca",webDriver.getTitle());
57
58    }
59
60
61
```

Test Name: Test InstagramRedirect

Description: Check if the redirected link from Instagram leads to the page, whose URL will be equal.

Pre-condition(s): Maximize page

Test Steps:	Test Data: /	Expected Result:	Actual Result:	Status:
1.Go to Fashion Friends' Instagram page. 2. Go to the Instagram page and click the link. 3. Go to the Fashion & Friends page. 4.Get the CurrentUrl from the page 5. Compare your current URL with the link from Instagram.		Social media page links are the same as currentURL.	Social media page links are the same as currentURL.	PASS

Notes: /

```
    @Test
void test2Drustveneiredirect() throws InterruptedException {
    webDriver.get("https://l.instagram.com/?u=http%3A%2F%2Fbit.ly%2FFF_online_shop&e=AT2IgHRyg4ghPrTeD4xw6qaXQQulgwflNv-X8
    Thread.sleep(2000);
    String a=webDriver.getCurrentUrl();
    assertEquals("https://www.fashionandfriends.com/ba/?utm_source=instagram&utm_medium=social&utm_campaign=ff_bih_homepag
    Thread.sleep(3000);

}}
```

Test Name: Test Sourca				
Description: Check if some texts is in source of Page				
Pre-condition(s): Maximize page				
Test Steps: 1. Go to the Fashion Friends main page. 2. Take the source from that page. 3. Test if the source contains "žene". 4.Test if souce contains "Nemanja Bilbija je najbolji špic na svijetu."	**Test Data:** /	**Expected Result:** Text is found in the page's source, the test returns true.	**Actual Result:** Text is found in the page's source, the test returns true.	**Status:** PASS
Notes: /				

```
    @Test
    void test3Sourca(){
    webDriver.get("https://www.fashionandfriends.com/ba/");
    String pageSource=webDriver.getPageSource();
    assertTrue(pageSource.contains("Žene"));
    assertFalse(pageSource.contains("Nemanja Bilbija je najbolji strijelac PL"));

    }
```

Test Name: Login				
Description: Check if login works				
Pre-condition(s): Maximize page				
Test Steps:	**Test Data:**	**Expected Result:**	**Actual Result:**	**Status:**
1. Go to Fashion Friends main page.	/	Test returns true login is successful.	Test returns true login is successful.	PASS
2.Find Profile Button	I used the method sendKeys() to input:			
3.Click Profile Button	("fadi.egho@stu.ibu. edu.ba,			
4.Find Login Button	"Burch1921")			
5. Click the Login Button				
6.Find Email Button				
8.Input in Email section(				
"fadi.egho@stu.ibu.edu.ba")				
9.Find Password button.				
10.Input Password section				
("Burch1921")				
11. Find the Login Button				
12. Click the Login Button				
Notes: /				

```
    @Test
    void test4Login () throws InterruptedException {
        webDriver.get(BaseUrl);
        Thread.sleep(2000);
        WebElement Profile=webDriver.findElement(By.xpath("//*[@id=\"html-body\"]/main/div/header/div[2]/div[1]/div/div/di
        Thread.sleep(2000);
        Profile.click();
        Thread.sleep(2000);
        WebElement Login=webDriver.findElement(By.xpath("//*[@id=\"html-body\"]/main/div/header/div[2]/div[1]/div/div/div[
        Thread.sleep(2000);
        Login.click();
        Thread.sleep(2000);
        WebElement Email=webDriver.findElement(By.xpath("//*[@id=\"email\"]"));
        Thread.sleep(2000);
        Email.sendKeys("fadi.egho@stu.ibu.edu.ba");
        Thread.sleep(2000);
        WebElement Password=webDriver.findElement(By.xpath("//*[@id=\"pass\"]"));
        Thread.sleep(2000);
        Password.sendKeys("Burch1921");
        Thread.sleep(2000);
        WebElement LoginButton=webDriver.findElement(By.xpath("//*[@id=\"send2\"]/span"));
        LoginButton.click();
        Thread.sleep(5000);
}
```

Test Name: Test Login Failed				
Description: Check if Login can be failed				
Pre-condition(s): Maximize page				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to Fashion Friends main page	I used the method sendKeys() to input:	Message is displayed, login is unavailable.	Message is displayed, login is unavailable.	PASS
2.Find Profile Button	("fadi.egho@stu.ibu. edu.ba,			
3.Click Profile Button	"Burch1921sda")			
4.Find Login Button				
5. Click the Login Button				
6.Find Email Button				

8.Input in Email section("fad.egho@stu.ibu.edu.ba")					
9.Find Password button					
10.Input Password section ("Burch1921sda")					
11. Find the Login Button					
12. Click the Login Button					
13.Find FailMess					
14.Compare "Prijava….." with getText of FailMess					

Notes: /

```java
@Test
void test5LoginFailed () throws InterruptedException {
        webDriver.get(BaseUrl);
        Thread.sleep(2000);
        WebElement Profile=webDriver.findElement(By.xpath("//*[@id=\"html-body\"]/main/div/header/div[2]/div[1]/div/div/div[
        Thread.sleep(2000);
        Profile.click();
        Thread.sleep(2000);
        WebElement Login=webDriver.findElement(By.xpath("//*[@id=\"html-body\"]/main/div/header/div[2]/div[1]/div/div/div[3]
        Thread.sleep(2000);
        Login.click();
        Thread.sleep(2000);
        WebElement Email=webDriver.findElement(By.xpath("//*[@id=\"email\"]"));
        Thread.sleep(2000);
        Email.sendKeys("fadi.egho@stu.ibu.edu.ba");
        Thread.sleep(2000);
        WebElement Password=webDriver.findElement(By.xpath("//*[@id=\"pass\"]"));
        Thread.sleep(2000);
        Password.sendKeys("Burch1921sda");
        Thread.sleep(2000);
        WebElement LoginButton=webDriver.findElement(By.xpath("//*[@id=\"send2\"]/span"));
        LoginButton.click();
        Thread.sleep(3000);
        WebElement Failmess=webDriver.findElement(By.xpath("//*[@id=\"maincontent\"]/div[1]/div[2]/div[1]/div/div"));
        Thread.sleep(2000);
        assertEquals("Prijava na nalog nije ispravna ili je Vaš nalog privremeno onemogućen. Molimo sačekajte i pokušajte po
        Thread.sleep(2000);
    }
```

Test Name: Test Search				
Description: Check if Search works				
Pre-condition(s): Maximize page				
Test Steps:	**Test Data:**	**Expected Result:**	**Actual Result:**	**Status:**
1.Go to Fashion&Friends page 2.Find Search Button 3.Click the Search Button 4.Find Input 5.Input in Input "North Face" 6.Click Enter 7.Find Button Search1 8.Click Search1 9.Find Input1 10. Input in Input1 "Lyle and Scot" 11.Click Enter 12.Find Search2 Button 13. Click the Search2 button 14.Find Input2 15. Input in Input2 ("Tommy Hilfiger") 16.Click Enter	I used the method sendKeys() to input: ("North Face", "Lyle and Scot" "Tommy Hilfiger")	The search bar throws out items on the page that are available at that moment.	Search bar throws out items on page that are available in that moment.	PASS
Notes: /				

```
    @Test
    void testSearch6() throws InterruptedException {
        webDriver.get(BaseUrl);
        Thread.sleep(2000);
        WebElement Search=webDriver.findElement(By.xpath("//*[@id=\"html-body\"]/main/div/header/div[2]/div[2]/div/div/div[3]/di
        Search.click();
        WebElement Input=webDriver.findElement(By.name("q"));
        Thread.sleep(2000);
        Input.sendKeys("North Face",Keys.ENTER);
        Thread.sleep(2000);
        WebElement Search1=webDriver.findElement(By.xpath("//*[@id=\"html-body\"]/main/div/header/div[2]/div[2]/div/div/div[3]/
        Search1.click();
        WebElement Input1=webDriver.findElement(By.name("q"));
        Thread.sleep(2000);
        Input1.sendKeys("Lyle and Scot",Keys.ENTER);
        Thread.sleep(3000);
        WebElement Search2=webDriver.findElement(By.xpath("//*[@id=\"html-body\"]/main/div/header/div[2]/div[2]/div/div/div[3]/
        Search2.click();
        WebElement Input2=webDriver.findElement(By.name("q"));
        Thread.sleep(2000);
        Input2.sendKeys("Tommy Hilfiger",Keys.ENTER);

    }
```

Test Name: Test Zapamti me check				
Description: Check if Search works				
Pre-condition(s): Maximize page				
Test Steps:1.Go to Fashion Friends main page 2.Find Profile Button 3.Click Profile Button 4.Find Login Button 5. Click the Login Button 6.Find Email Button 8.Input in Email section("fad.egho@stu.ibu.edu.ba") 9.Find Password button 10.Input Password section ("Burch1921") 11.Find Checkbox zapamtime	Test Data: I used the method sendKeys() to input: ("fadi.egho @stu.ibu.ed u.ba, "Burch1921 sda")	Expected Result: Test returns true when checkbox is successfully checked. Test returns true when is checkbox successfully unchecked.	Actual Result: Test returns true when checkbox is successfully checked. Test returns true when is checkbox successfully unchecked.	Status: PASS

12.Click Checkbox zapamtime				
13. Check if the checkbox zapamtime is selected.				
14.Find zapamtime2(same Checkbox but other name because of reclick)				
15.Click zapamtime2				
16. Check if zapamtime2 is unselected.				
Notes: /				

```java
@Test
    void test7zapatmicheck () throws InterruptedException {
        webDriver.get(BaseUrl);
        Thread.sleep(2000);
        WebElement Profile=webDriver.findElement(By.xpath("//*[@id=\"html-body\"]/main/div/header/div[2]/div[1]/div/div/div[3]
        Thread.sleep(2000);
        Profile.click();
        Thread.sleep(2000);
        WebElement Login=webDriver.findElement(By.xpath("//*[@id=\"html-body\"]/main/div/header/div[2]/div[1]/div/div/div[3]/d
        Thread.sleep(2000);
        Login.click();
        Thread.sleep(2000);
        WebElement Email=webDriver.findElement(By.xpath("//*[@id=\"email\"]"));
        Thread.sleep(2000);
        Email.sendKeys("fadi.egho@stu.ibu.edu.ba");
        Thread.sleep(2000);
        WebElement Password=webDriver.findElement(By.xpath("//*[@id=\"pass\"]"));
        Thread.sleep(2000);
        Password.sendKeys("Burch1921");
        Thread.sleep(2000);
        WebElement zapamtime=webDriver.findElement(By.xpath("/html/body/main/div/section/div[2]/div/div[5]/div[1]/div/div[2]/f
        zapamtime.click();
        Thread.sleep(4000);
        assertTrue(zapamtime.isSelected());
        Thread.sleep(2000);
        WebElement zapamtime2=webDriver.findElement(By.xpath("/html/body/main/div/section/div[2]/div/div[5]/div[1]/div/div[2]/
        zapamtime2.click();
        Thread.sleep(2000);
        assertFalse(zapamtime2.isSelected());
        Thread.sleep(2000);
    }
```

Test Name: Test Size					
Description: Check if when some size is clicked will page store correct size.					
Pre-condition(s): Maximize page					
Test Steps:	**Test Data:**	**Expected Result:**	**Actual Result:**	**Status:**	
1.Go to Fashion Friends for men. 2. Find the Odjeca button 3.Click the Odjeca button 4.Find Find the Majica button 5.Click majica button 6.Find sizeL button 7.Click sizeL button 8.Find size element 9.Get text from size element 10.Compare if "L" is equal with text in size element 11,Click sizeL button 12. Compare if "" is equal with text in size element	/	Test returns true "L" is equal to text in size element Test returns true when "" is equal to text in size element.	Test returns true "L" is equal to text in size element Test returns true when "" is equal to text in size element.	PASS	
Notes: /					

```
    @Test
    void test8Size() throws InterruptedException {
        webDriver.get("https://www.fashionandfriends.com/ba/muskarci/");
        Thread.sleep(5000);
        WebElement Odjeca=webDriver.findElement(By.xpath("//*[@id=\"ui-id-9\"]/div/div/div/div/div/div[2]/a/span[2]"));
        Thread.sleep(2000);
        Odjeca.click();
        Thread.sleep(4000);
        WebElement majica=webDriver.findElement(By.xpath("//*[@id=\"maincontent\"]/div[3]/div[1]/div[5]/ul/li[1]/div[1]/a"));
        majica.click();
        Thread.sleep(4000);
        WebElement sizeL=webDriver.findElement(By.xpath("//*[@id=\"option-label-size-242-item-5508\"]"));
        sizeL.click();
        WebElement size=webDriver.findElement(By.xpath("//*[@id=\"product-options-wrapper\"]/div/div/div/div[1]/span[2]"));
        assertEquals("L",size.getText());
        Thread.sleep(4000);
        WebElement sizeL2=webDriver.findElement(By.xpath("//*[@id=\"option-label-size-242-item-5508\"]"));
        sizeL2.click();
        Thread.sleep(4000);
        assertEquals("",size.getText());

    }
```

Test Name: Test cartprice				
Description: Check if when some size is clicked will page store correct size.				
Pre-condition(s): Maximize page				
Test Steps: 1.Go to Fashion Friends page for men clothing. 2.Find ckkup button 3.Click ckkup button 4.Find size button 5.Click size button 6.Find dodajteukorpu button 7.Click dodajteukorpu button 8.Navigate to Fashion Friends for men clothing. 9.Find bossmajica button 10.Click bossmajica button 11.Find sizeL 12.Clcik sizeL 13.Find the cartbutton 14.Click the cartbutton 15.Find the korpa button 16.Click the korpa button 17.Find price element 18.Compare 244.00 KM with text from the price element	**Test Data:** /	**Expected Result:** Price is equal to the given price.	**Actual Result:** Price is equal to the given price.	**Status:** PASS
Notes: /				

```java
@Test
void test9cartprice() throws InterruptedException {
    webDriver.get("https://www.fashionandfriends.com/ba/muskarci/odjeca/");
    Thread.sleep(5000);
    WebElement ckkup=webDriver.findElement(By.xpath("//*[@id=\"maincontent\"]/div[3]/div[1]/div[5]/ul/li[3]/div[1]/a"));
    ckkup.click();
    Thread.sleep(3000);
    WebElement size=webDriver.findElement(By.xpath("/html/body/main/div/section/div[2]/div/div[2]/div[2]/div/div/div[4]/for
    size.click();
    Thread.sleep(3000);
    WebElement dodajteukorpu=webDriver.findElement(By.xpath("//*[@id=\"product-addtocart-button\"]"));
    dodajteukorpu.click();
    Thread.sleep(3000);
    webDriver.navigate().to("https://www.fashionandfriends.com/ba/muskarci/odjeca/");
    Thread.sleep(3000);
    WebElement bossmajica=webDriver.findElement(By.xpath("/html/body/main/div/section/div[3]/div[1]/div[5]/ul/li[6]/div[1]/
    bossmajica.click();
    Thread.sleep(3000);
    WebElement sizeL=webDriver.findElement(By.xpath("//*[@id=\"option-label-size-242-item-5508\"]"));
    sizeL.click();
    Thread.sleep(3000);
    WebElement cartbutton=webDriver.findElement(By.xpath("//*[@id=\"product-addtocart-button\"]"));
    cartbutton.click();
    Thread.sleep(3000);
    WebElement cart=webDriver.findElement(By.xpath("//*[@id=\"html-body\"]/main/div/header/div[2]/div[1]/div/div/div[3]/div
    cart.click();
    Thread.sleep(3000);
    WebElement korpa=webDriver.findElement(By.xpath("//*[@id=\"minicart-content-wrapper\"]/div/div[2]/div[2]/div[1]/a"));
    korpa.click();
    Thread.sleep(3000);
    WebElement price=webDriver.findElement(By.xpath("//*[@id=\"cart-totals\"]/div/table/tbody/tr[4]/td/strong/span"));
    assertEquals("244,00 KM",price.getText());
}
```

Test Name: Test order				
Description: Check if when some size is clicked will page store correct size.				
Pre-condition(s): Maximize page				
Test Steps: 1.Go to Fashion Friends page for men clothing. 2.Find ckkup button 3.Click ckkup button 4.Find size button 5.Click size button 6.Find dodajteukorpu button 7.Click dodajteukorpu button 8.Navigate to Fashion Friends for men clothing. 9.Find bossmajica button 10.Click bossmajica button 11.Find sizeL 12.Clcik sizeL 13.Find cartbutton	**Test Data:** / I inputted with sendKeys()(fadi.egho@stu.ibu.edu.ba, Burch1921, Burch, Francuske revolucije bb, Ilidža 71210, Sarajevo,	**Expected Result:** Test returns true every part of request is done in process of ordering some item.	**Actual Result:** Test returns true every part of request is done in process of ordering some item.	**Status:** PASS

14.Click cartbutton 15.Find naplata 16.Click naplata 17.Find email element 18.Input in email fadi.egho@stu.ibu.edu.ba 19.Find password button 20.Input password "Burch1921" 21.Click enter 22.Find firma element 23.Input firma "Burch" 24.Click Enter 25.Find adresa element 26.Input in adresa "Francuske revolucije bb, Ilidza 71210 27.Click enter 28.Find grad element 29.Input in grad "Sarajevo" 30.Find poštanski element 31.Input in poštanski "71000" 32.Click enter 33.Find broj element 34.Input in broj element "033 944-400" 35.Click enter	71000, 033 944-400			
Notes: /				

```
@Test
void testo10selectizkorpe1() throws InterruptedException {
    webDriver.get("https://www.fashionandfriends.com/ba/muskarci/odjeca/");
    Thread.sleep(5000);
    WebElement ckkup=webDriver.findElement(By.xpath("//*[@id=\"maincontent\"]/div[3]/div[1]/div[5]/ul/li[3]/div[1]/a"));
    ckkup.click();
    Thread.sleep(3000);
    WebElement size=webDriver.findElement(By.xpath("/html/body/main/div/section/div[2]/div/div[2]/div[2]/div/div/div[4]/for
    size.click();
    Thread.sleep(3000);
    WebElement dodajteukorpu=webDriver.findElement(By.xpath("//*[@id=\"product-addtocart-button\"]"));
    dodajteukorpu.click();
    Thread.sleep(3000);
    webDriver.navigate().to("https://www.fashionandfriends.com/ba/muskarci/odjeca/");
    Thread.sleep(3000);
    WebElement bossmajica=webDriver.findElement(By.xpath("/html/body/main/div/section/div[3]/div[1]/div[5]/ul/li[6]/div[1]/
    bossmajica.click();
    Thread.sleep(3000);
    WebElement sizeL=webDriver.findElement(By.xpath("//*[@id=\"option-label-size-242-item-5508\"]"));
    sizeL.click();
    Thread.sleep(3000);
    WebElement cartbutton=webDriver.findElement(By.xpath("//*[@id=\"product-addtocart-button\"]"));
    cartbutton.click();
    Thread.sleep(3000);
    WebElement cart=webDriver.findElement(By.xpath("//*[@id=\"html-body\"]/main/div/header/div[2]/div[1]/div/div/div[3]/div/
    cart.click();
    Thread.sleep(3000);
    WebElement naplata=webDriver.findElement(By.xpath("//*[@id=\"top-cart-btn-checkout\"]"));
    naplata.click();
```

9. Conclusion

9.1. Testing Summary

Testing Tool	Total Tests	Passed Tests	Failed Tests
Eclipse	10	10	0

9.2. Final Thoughts

This project was very interesting and sometimes stressful because of problems with XPATH.
I don't have any suggestions about the page. I think it worked very well.