

IT 303 – Software Verification, Validation and Testing

TESTING DOCUMENTATION

OLX.ba

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1. Introduction

1.1. About the Project

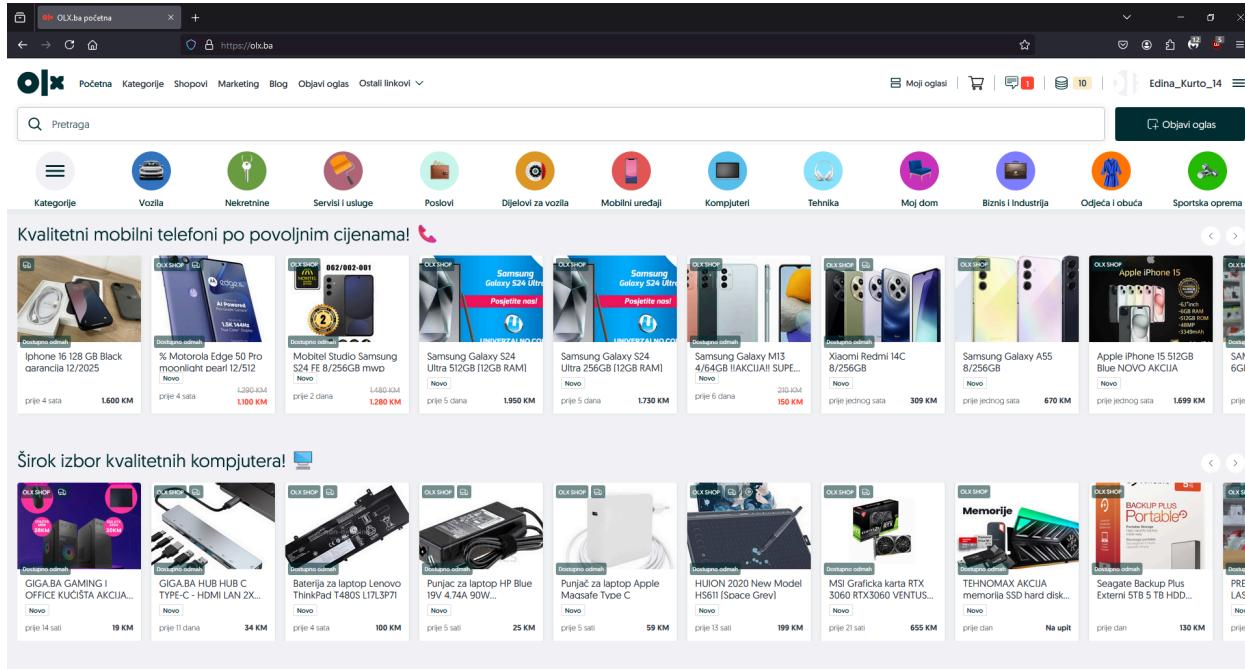
This project for the course Software Verification, Validation and Testing has the goal of creating testing case scenarios for the web application OLX.ba, formerly known as pik.ba. In this project we aim to provide 15 case scenarios and give a detailed overview of our results. OLX is a leader in world online trade with the goal of being a platform where sellers and buyers can list articles and interact with them, existing in over 30 countries, including Bosnia and Herzegovina with the domain OLX.ba. This webpage is designed around article listings, with the capability to create a profile and create listings, while also providing different methods to interact with those listings and for those listings to be showcased to the user. In the next paragraphs more detailed information about the functionalities of the website will be provided.



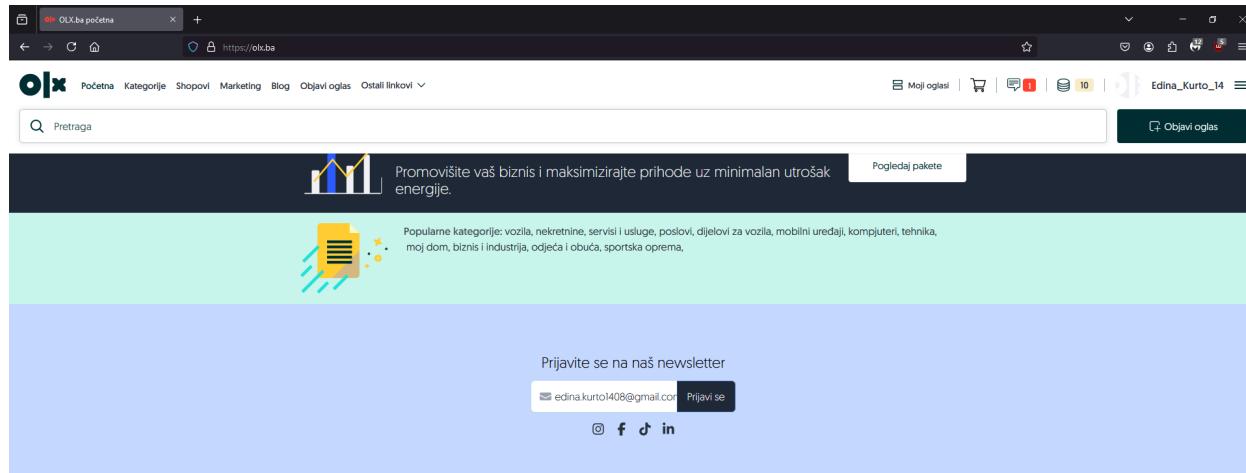
Homepage link: <https://olx.ba/>

1.2. Project Functionalities and Screenshots

1.2.1 Homepage



The screenshot shows the OLX homepage with a search bar at the top. Below it is a navigation bar with categories: Kategorije, Vozila, Nekretnine, Servisi i usluge, Poslovi, Dijelovi za vozila, Mobilni uređaji, Kompjuteri, Tehnika, Moj dom, Biznis i industrija, Odjeća i obuća, and Sportska oprema. A banner at the top says "Kvalitetni mobilni telefoni po povoljnim cijenama!" followed by a grid of 12 mobile phone listings. Another banner below says "Širok izbor kvalitetnih kompjutera!" followed by a grid of 12 laptop and computer component listings.



This screenshot shows a dark-themed version of the OLX homepage. It features a prominent banner at the top with a yellow bar containing a chart icon and the text "Promovisite vaš biznis i maksimizirajte prihode uz minimalan utrošak energije.". Below this is a green decorative bar with a stylized server icon. A call-to-action button "Pogledaj paket" is visible. A "Populare kategorije" section follows, listing various items like vozila, nekretnine, servisi i usluge, poslovi, dijelovi za vozila, mobilni uređaji, kompjuteri, tehnika, moj dom, biznis i industrija, odjeća i obuća, sportska oprema, and memorije. At the bottom, there's a newsletter sign-up form with an email input field "edina.kurto1408@gmail.com" and a "Prijavi se" button, along with social media links for Instagram, Facebook, Twitter, and LinkedIn.

INFORMACIJE I KONTAKT

O nama

Uslovi koristenja

Online sigurnost

Marketing

OSTALI LINKOVI

OLX.ba blog

Shopovi

Pridruži se OLX timu

Šta je OLX dostava

VAŠ OLX

OLX kredit

Sigurnost i zaštita

Pravila i uslovi koristenja

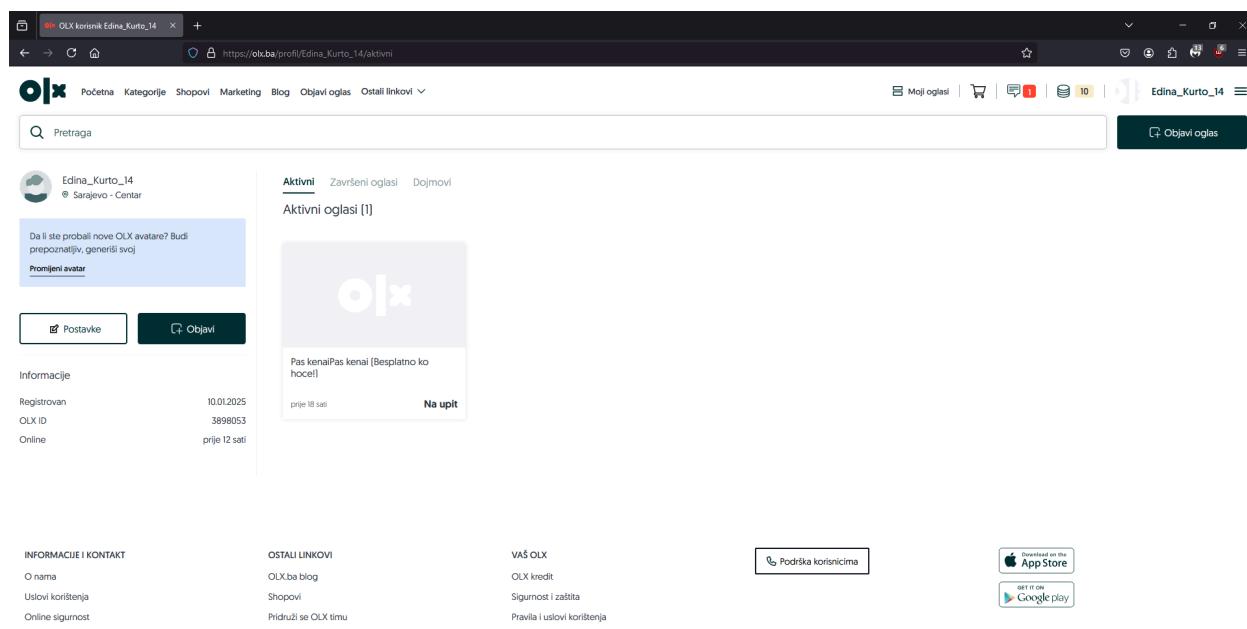
[Podrška korisnicima](#)

[Download on the App Store](#)

[Get it on Google play](#)

The homepage is the main landing page of the website we are testing, it lists out trening articles, a navigation bar in the header of the page, a search bar, and below it a category bar. In the navigation bar are also the sections of: my cart, profile and profile related metrics. At the footer we can see a central newsletter field and navigation footer bar, social media links, customer support buttons and links that take us to the app store/play store to promote their mobile application.

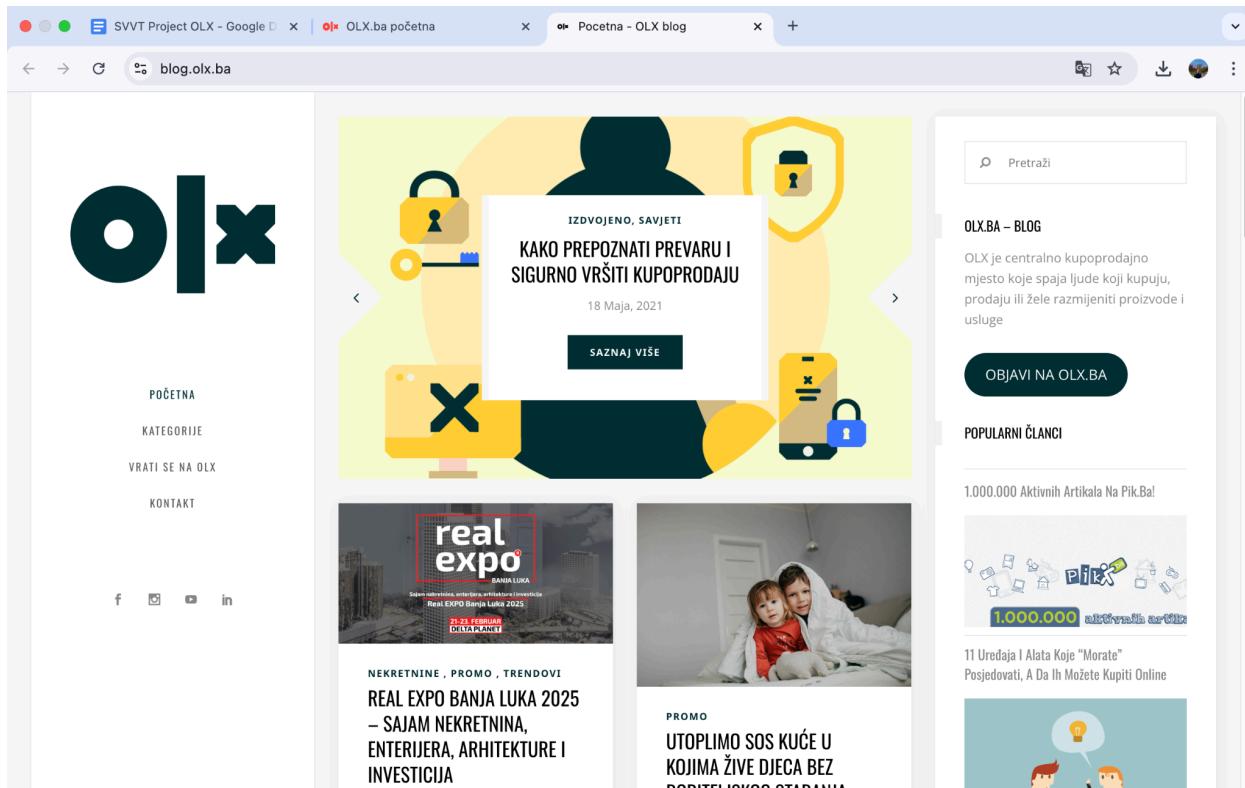
1.2.2 Profile



The screenshot shows the OLX.ba profile page for user Edina_Kurto_14. The top navigation bar includes links for Početna, Kategorije, Shopovi, Marketing, Blog, Objavi oglas, and Ostali linkovi. The user's profile picture and name are displayed, along with a message about trying the new OLX avatars. Below the profile section are buttons for Postavke and Objavi. The main content area displays an active post for a dog named 'Pas kenai' (Besplatno ko hoceli) posted 18 hours ago. The footer contains sections for INFORMACIJE I KONTAKT, OSTALI LINKOVI, and VAŠ OLX, along with links for Podrška korisnicima, App Store, and Google Play.

My profile section shows profile information and settings. Besides them active posts (articles), closed articles, and feedback are located; with the same navigation bar and footer. This section is only accessible after the user finished the registration process.

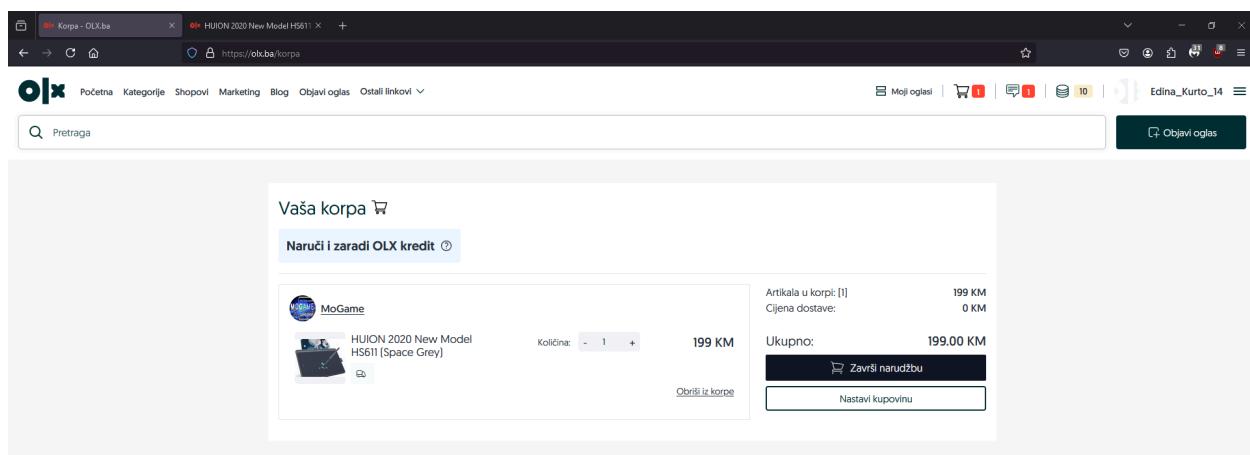
1.2.3 Blog



The screenshot shows the OLX blog homepage. On the left, there's a navigation bar with links to 'POČETNA', 'KATEGORIJE', 'VRATI SE NA OLX', and 'KONTAKT'. Below this are social media icons for Facebook, Instagram, YouTube, and LinkedIn. The main content area features a large, eye-catching graphic for an article titled 'IZDVJENO, SAVJETI: KAKO PREPOZNATI PREVARU I SIGURNO VRSITI KUPOPRODAJU' from May 18, 2021. To the right of the main article are two smaller promotional boxes: one for 'real expo BANJA LUKA 2025' and another for 'UTOPLIMO SOS KUĆE U KOJIMA ŽIVE DJECA BEZ POSITIVNIH STVARA...'.

The blog screen is a separate website with the url <https://blog.olx.ba/> listing news articles related to the functionalities of the website or promotional material provided by OLX. It is centered around the main clickable articles with different sizes and a new navigation bar on the left giving the same output as the main landing page of the blog, but with different categories. There is an option to go back to the main application with listings.

1.2.4 Cart



The screenshot shows the OLX shopping cart page. At the top, there's a header with the OLX logo and a search bar. Below the header, the page title is 'Vaša korpa' (Your cart). A message 'Naruči i zaradi OLX kredit' (Order and get OLX credit) is displayed above the cart items. The cart contains one item: 'HUION 2020 New Model HS611 [Space Grey]' with a price of 199 KM. The total amount is 199.00 KM. Buttons for 'Završi narudžbu' (Finish order) and 'Nastavi kupovinu' (Continue shopping) are visible. The bottom of the page includes a footer with links for 'INFORMACIJE I KONTAKT', 'OSTALI LINKOVI', 'VAŠ OLX', and links to the App Store and Google Play.



The cart feature shows the same navigation and footer as the rest of the main OLX listing site, highlighting articles currently in the cart with the option to discard, buy or continue shopping. It shows the number of items in the card and the overall final price range.

1.2.5 MyOLX (MojOLX)

The screenshot shows the MyOLX interface. At the top, there's a header with the OLX logo, a search bar, and a 'Početna' button. Below the header, there's a sidebar titled 'Moj OLX' containing various links such as 'Postani OLX Shop', 'Aktivni oglasi', 'Završeni oglasi', 'Dojmovi', 'O nama', 'Radno vrijeme', 'Spašeno', 'Spašeni oglasi', 'Spašeni korisnici', and 'OSTALI LINKOVI'. The main content area displays a grid of 'Aktivni oglasi' (active listings) with items like a Kiesleit Smart Watch X11 Pro black, a LOGITECH H390 HEADSET USB BLACK, a Stalak držac za laptop N3 Alu, a Motorola Talkabout T82 Extreme quad-pack, an Apple iMAC MMQA2 - 21.5 inch, and an HP OMEN 16-N0023 GAMING AMD Ryzen 7.

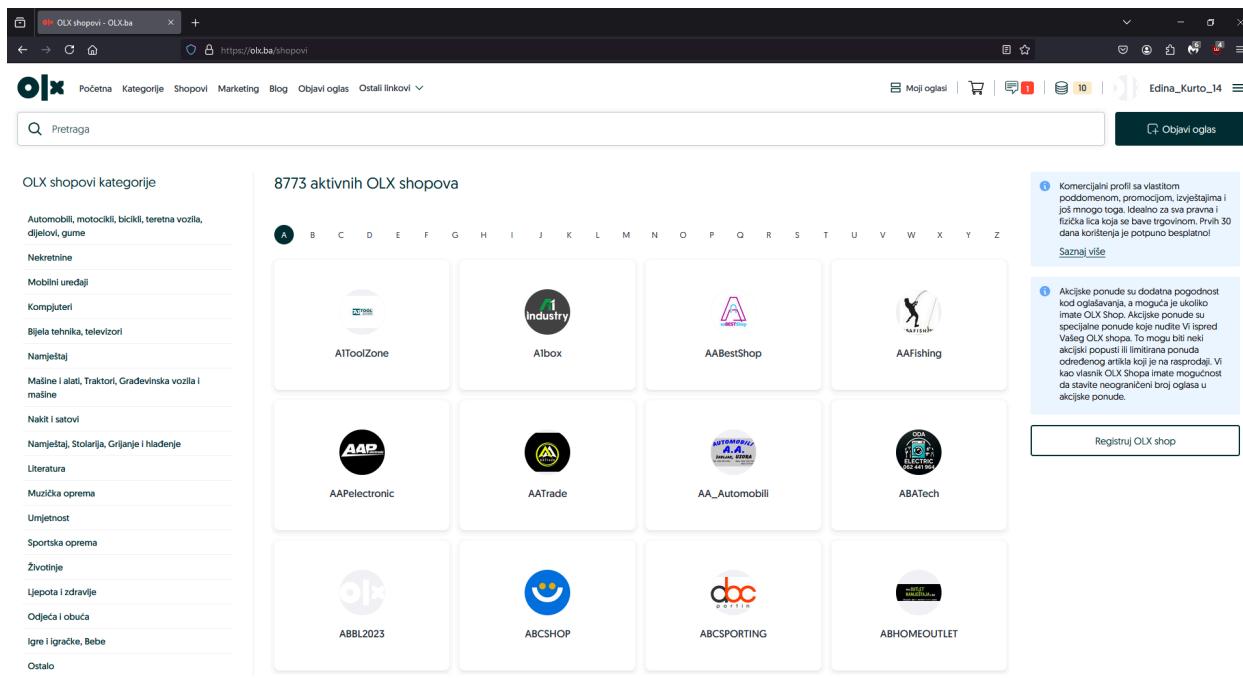
MyOLX is a hamburger bar expanded on any page overlapping the content with navigation options relating to listings, saved listings, OLX credit and resources listed out.

1.2.6 Settings

The screenshot shows the 'Postavke korisničkih informacija' (User Information Settings) page. On the left, there's a sidebar with links: 'Postavke', 'Registruj OLX Shop', 'OLX Dostave', 'Korisničke informacije', 'OLX pro', 'Verifikacija', 'Notifikacije', 'Privatnost', 'Profilna slika', 'Spašene kartice', 'Promjena šifre', and 'Adresa'. The main content area is titled 'Korisničke informacije' and contains fields for 'IME' (Name), 'PREZIME' (Last Name), 'BROJ TELEFONA' (Phone Number), 'REGIJA' (Region), 'MIJESTO' (Location), 'EMAIL' (Email), and 'SPOL' (Gender). A note on the right side of the form reads: 'Za sigurnu i uspješnu kupoprodaju na OLX.ba veoma je bitno da su svaki korisnički podaci ažurirani na profilu. Obratite pažnju na verifikaciju broj telefona i e-mail adresu koju trenutno koristite. Savjetujemo Vam da izvršite i izmjenu šifre u postavkama Vašeg profila na šifru koja sadrži kombinaciju slova, brojeva i znakova.'

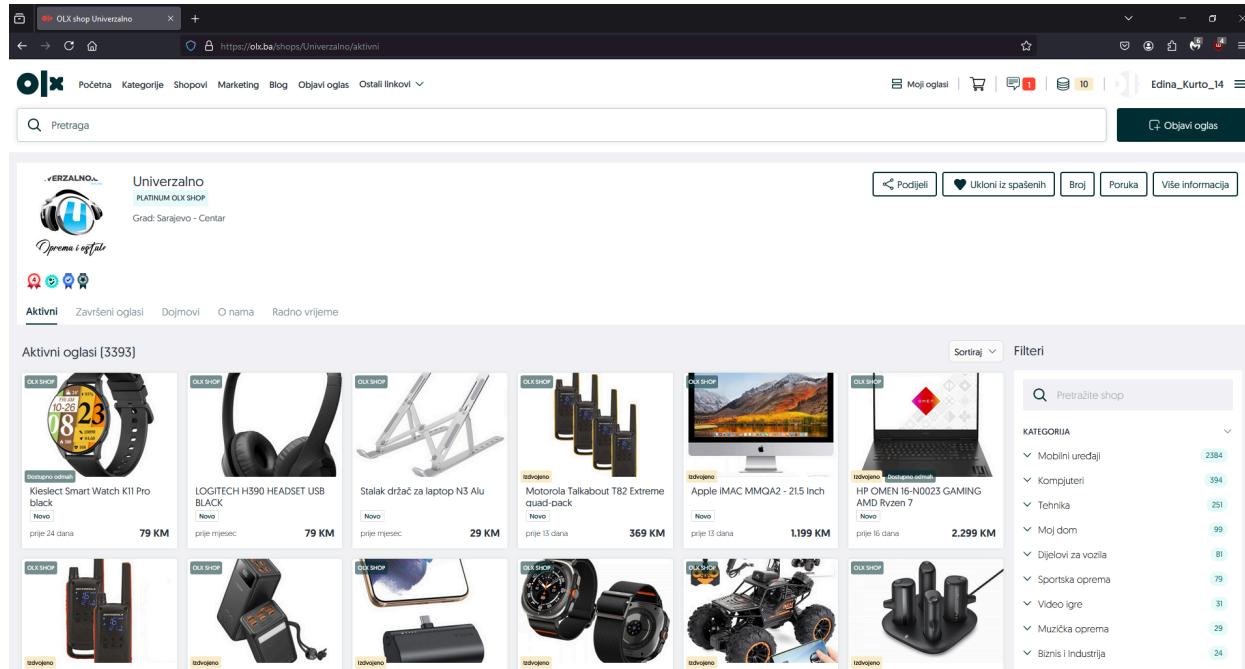
The settings page gives space to edit user profile information with different input fields like name, last name, address, city, gender...

1.2.7 Shop



The screenshot shows a web browser displaying the OLX.ba website at the URL <https://olx.ba/shopovi>. The page title is "OLX shopovi - OLX.ba". The main content area displays a grid of 8773 active OLX shops, each represented by a small icon and a shop name. The icons include symbols for industry, fishing, electronics, trade, automobiles, sports, and home goods. The shop names visible include AIToolZone, Albox, AABestShop, AA_Fishing, AAPelectronic, AATrade, AA_Automobili, ABATech, ABBL2023, ABCSHOP, ABCSPORTING, and ABHOMEOUTLET. To the left of the grid, there is a sidebar titled "OLX shopovi kategorije" listing various product categories such as Automobili, motocikli, bicikli, teretna vozila, djelovi, gume; Nekretnine; Mobilni uređaji; Kompjuteri; Bijela tehnika, televizori; Namještaj; Mašine i alati, Traktori, Građevinska vozila i mašine; Nakit i satovi; Namještaj, Stolarija, Grljanje i hlađenje; Literatura; Mušička oprema; Umjetnost; Sportska oprema; Životinje; Ljepota i zdravlje; Odjeća i obuća; Igre i igračke, Bebe; and Ostalo. On the right side, there are two informational boxes: one about commercial profiles and another about promotional offers. A "Registruj OLX shop" button is located in the bottom right corner of the main content area.

This section gives us an overview of all shops listed out as profiles, in categories.



The screenshot shows a web browser displaying the OLX shop Universzalno website. The page header includes the OLX logo, a search bar, and user account information. The main content area features a shop profile for 'Univerzalno' (PLATINUM OLX SHOP) located in Sarajevo - Centar, specializing in 'Oprema i ostalo'. Below this, there are sections for 'Aktivni' (Active) and 'Završeni oglasi' (Completed ads). A grid of 12 items is displayed, each with a thumbnail, title, condition (e.g., Novo, Izdvojeno), price, and a small description. To the right, there are filters for category and a sidebar with a search bar and a list of categories and their counts.

Shop profile with information about the business and different articles currently listed

1.2.8 Publish a listing

This functionality takes multiple steps after clicking the action button to post a listing. A number of pop ups that can be seen below provide guided options to put in essential information before being taken to a separate site to edit the listing more thoroughly.

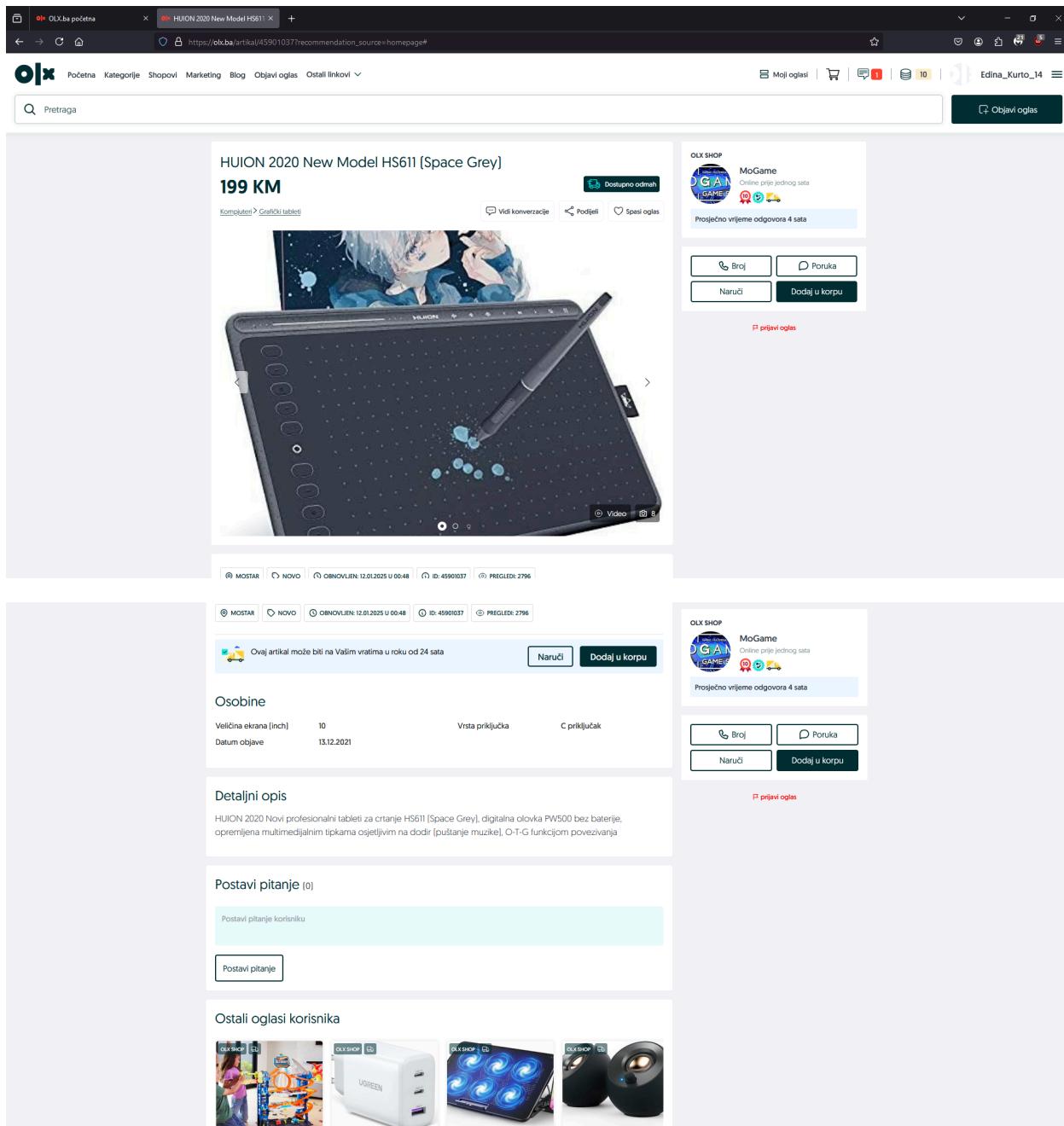


The screenshot shows the OLX.ba homepage with a central modal window titled "Objavite oglas" (Post an Ad). The modal has three tabs: "Automobil" (Car), "Nekretnina" (Real Estate), and "Usluga" (Service). Below these tabs is a section titled "Objavite nešto drugo" (Post something else). To the right of the modal, there is a sidebar titled "Preostali broj oglasa" (Remaining number of ads) showing counts for different categories: Automobili (0 od 3), Nekretnine (0 od 2), and Ostalo (2 od 20). At the bottom of the modal is a large green button labeled "Postani OLX pro". The background of the page displays various product listings such as mobile phones, laptops, and computer components.

This screenshot is similar to the one above, showing the OLX.ba homepage with a "Objavite oglas" (Post an Ad) modal. The modal now contains a text input field with placeholder text "Šta prodajete? Upišite 2-5 riječi koje opisuju vaš oglas. Na primjer: Audi A4 karavan 1.9 TDI". The rest of the interface, including the sidebar and background product listings, remains the same.

The screenshot displays the OLX.ba website interface. The top navigation bar includes links for 'Početna', 'Kategorije', 'Shopovi', 'Marketing', 'Blog', 'Objavi oglas', and 'Ostali linkovi'. A search bar at the top left contains the placeholder 'Pretraga' and a dropdown menu for 'Kategorije' with icons for 'Vozila', 'Nekretnine', and 'Servisi i usluge'. Below the search bar, there are four large product cards: an iPhone 16, a Motorola Edge 50 Pro, a Samsung S24, and a ThinkPad T480S. To the right, a modal window titled 'Objavite oglas' (Post an ad) is open, asking 'Šta prodajete?' (What are you selling?) with a placeholder 'pas'. The main content area shows a grid of ads for various items like smartphones, laptops, and memory cards. On the far right, a sidebar features categories like 'Moji oglasi', 'Branje', 'Muzika', 'Kulinarija', 'Sport', and 'Društvo'.

1.2.9 Post example



HUION 2020 New Model HS611 (Space Grey)
199 KM

Kompozit > Grafički tablet

Vidi konverzije Podjeli Spasi oglas

Dostupno odmah

Prosječno vrijeme odgovora 4 sata

Broj Poruka

Naruči Dodaj u korpu

prijevi oglas

MOSTAR NOVO OBNOVljeno: 12.01.2025 U 00:48 ID: 45900337 PREGLEDI: 2796

Ovaj artikal može biti na Vašim vratima u roku od 24 sata

Naruči Dodaj u korpu

Osobine

Veličina ekrana [inch] 10 Vrsta priključka C priključak
Datum objave 13.12.2021

Detaljni opis

HUION 2020 Novi profesionalni tableti za čitanje HS611 (Space Grey), digitalna olovka PW500 bez baterije, opremljeni multimedijalnim tipkama osjetljivim na dodir (pustanje muzike), O-T-G funkcijom povezivanja

Postavi pitanje (0)

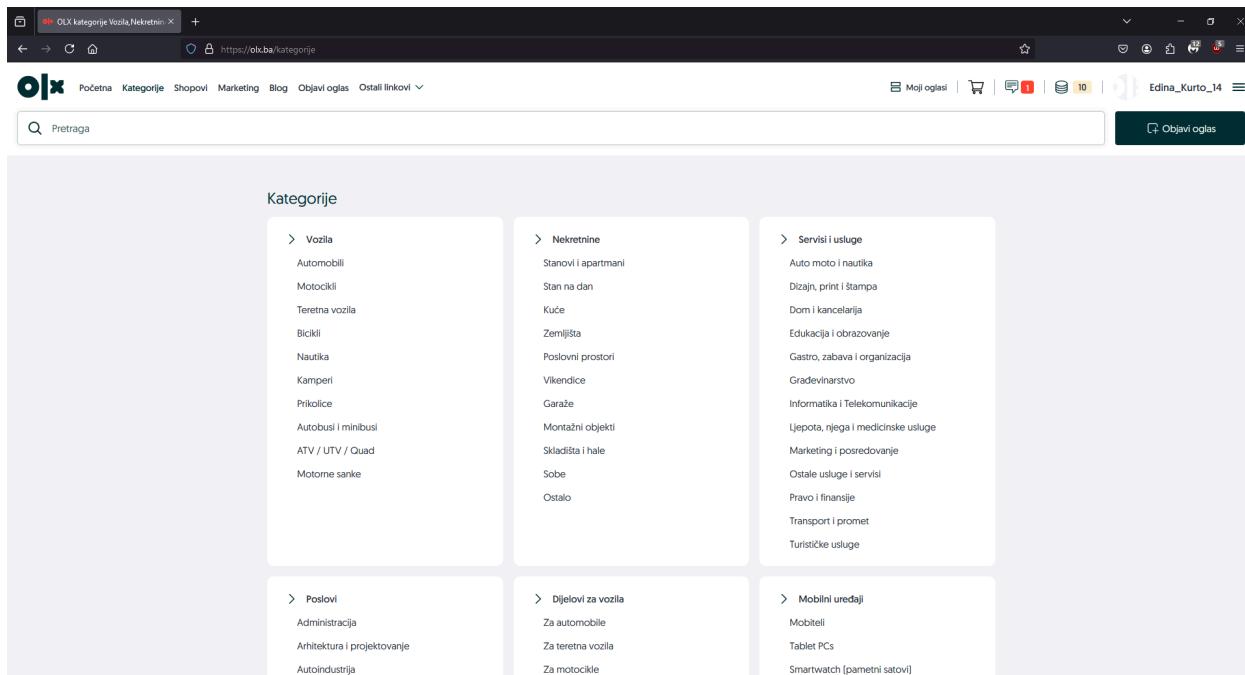
Postavi pitanje korisniku

Postavi pitanje

Ostali oglasi korisnika

An example of an expanded listing and its details with the shop information on the right side of the listing and options to add to card and engage with comments.

1.2.10 Categories

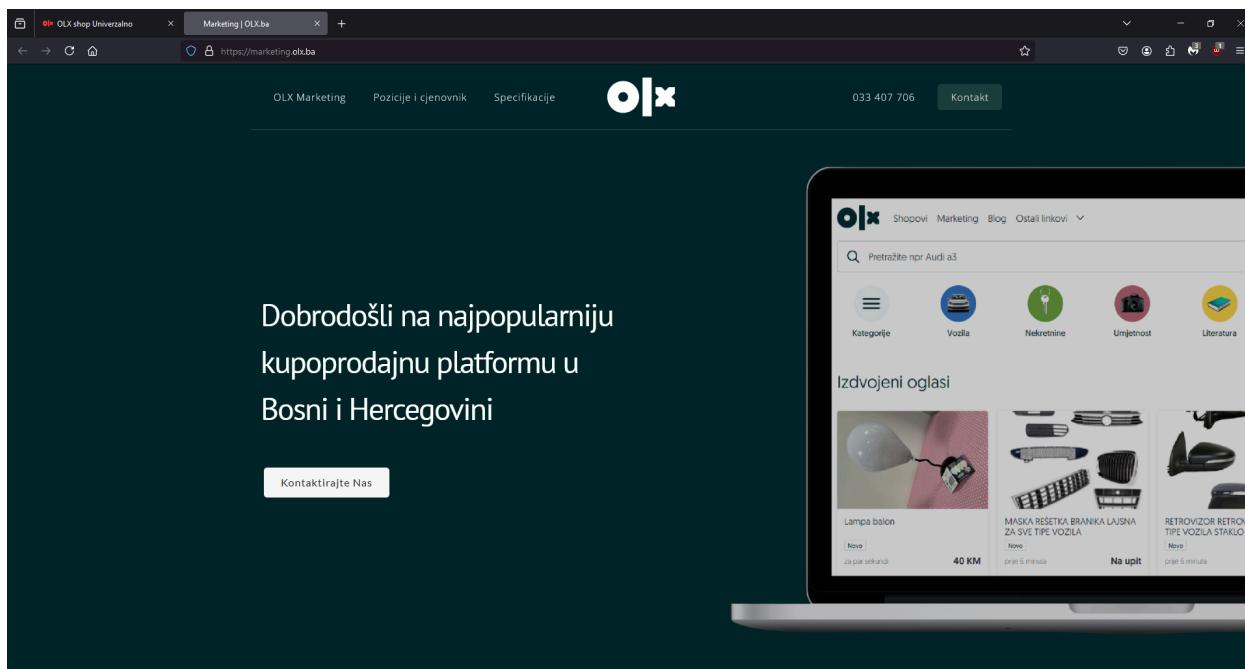


The screenshot shows the 'Kategorije' (Categories) section of the OLX website. It is organized into several columns:

- Vozila:** Automobili, Motocikli, Teretna vozila, Bicikli, Nautika, Kamperi, Prikolice, Autobusi i minibusi, ATV / UTV / Quad, Motorne sanke.
- Nekretnine:** Stanovi i apartmani, Stan na dan, Kuće, Zemljišta, Poslovni prostori, Vilkendice, Garaže, Montažni objekti, Skladišta i hale, Sobe, Ostalo.
- Servisi i usluge:** Auto moto i nautika, Dizajn, print i štampa, Dom i kancelarija, Edukacija i obrazovanje, Gastro, zabava i organizacija, Gradevinarstvo, Informatika i Telekomunikacije, Ljepota, njega i medicinske usluge, Marketing i posredovanje, Ostale usluge i servisi, Pravo i finansije, Transport i promet, Turističke usluge.
- Poslovi:** Administracija, Arhitektura i projektovanje, Autoindustrija.
- Dijelovi za vozila:** Za automobile, Za teretna vozila, Za motocikle.
- Mobilni uređaji:** Mobiteli, Tablet PCs, Smartwatch [pametni satovi].

Categories section gives us an overview of all listings categories.

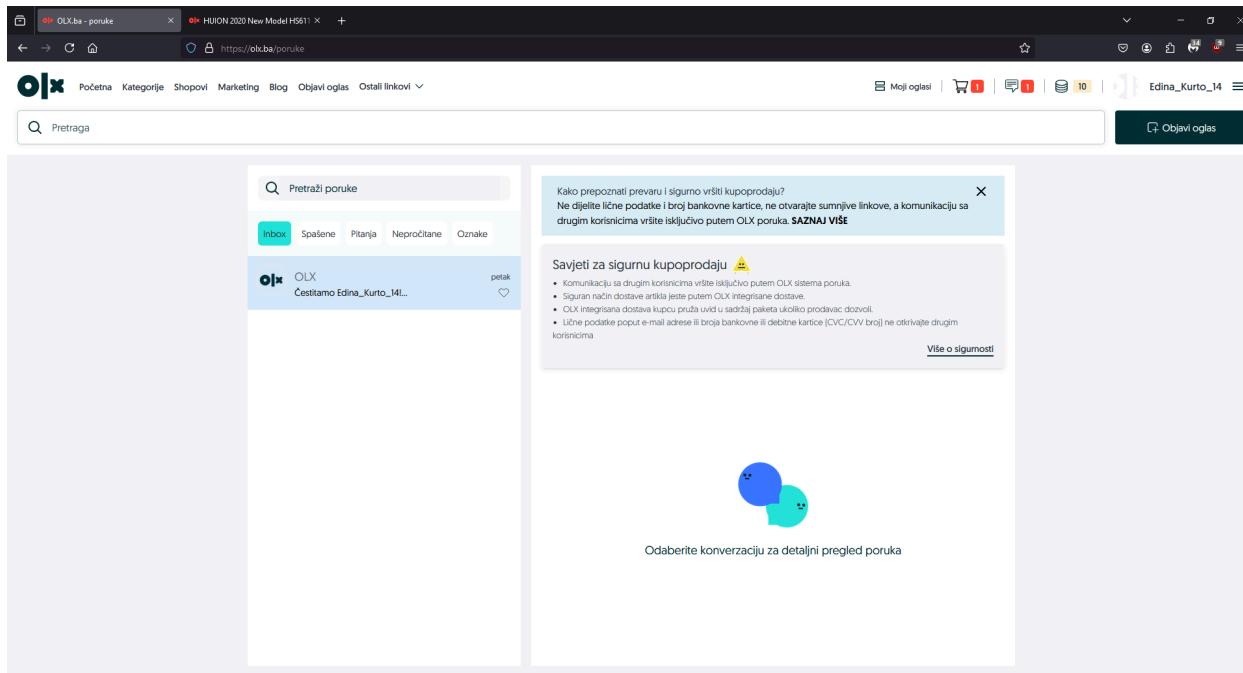
1.2.11 Marketing



The screenshot shows the 'Marketing | OLX.ba' page. The main headline reads: "Dobrodošli na najpopularniju kupoprodajnu platformu u Bosni i Hercegovini". Below this, there is a button labeled "Kontaktirajte Nas". To the right, a smaller window displays the main OLX search interface with categories like Vozila, Nekretnine, Umjetnost, and Literatura, along with some featured listings for items like a lamp, car grilles, and side mirrors.

Similar to the Blog section, the Marketing section accessed through the navigation bar is designed to give a short overview of the olx marketing services with a single button for contact and a separate navigation bar to give different information about the pricing and specifications of the service with a different navigation bar than the main listing website.

1.2.12 Notifications



Notifications section, or messages section is a separate screen designed to give space for a message listed as chats on the left and on the right the preview of the message chat with the ability to write, send and receive messages



2. Test Plan

2.1. Scope

Having in mind the functionalities of the website, our main tests will include all the necessary steps to access different parts of the website and test its general functionalities. It will not test interactions with other users nor directly buying and interacting with listings as it would require us to create either socially acceptable ways of saying we are just testing a website or for us to spend money and buy items from the website. In contrast to that, we will still test out posting a listing as it will not affect the culture of the active website. Our testing scope will focus on functionality, usability, and security. This includes validating HTTPS security protocols, testing the registration and login processes, verifying the functionality of essential UI elements such as the home page, categories, search bar, top navigation, footer, notifications, post listings. We will dive deeper into the cart options, settings, user profile, and dynamic sections like "My OLX."

2.2. Testing Environment and Tools

Environment setup:

- IntelliJ IDE
- Maven for dependency management and builds

Dependencies used:

<dependencies>

```

<dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.13.2</version>
</dependency>
<dependency>
    <groupId>org.junit.jupiter</groupId>
    <artifactId>junit-jupiter</artifactId>
    <version>5.11.3</version>
    <scope>test</scope>
</dependency>

<dependency>
    <groupId>org.seleniumhq.selenium</groupId>
    <artifactId>selenium-java</artifactId>
    <version>4.13.0</version>
</dependency>
</dependencies>

```

The tools and frameworks used in this project are:

- Java programming language
- JUnit testing framework
- Selenium WebDriver automation testing framework (Firefox WebDriver)



3. Test Execution

3.1. HTTPs Security Protocols

The test scenario focuses on verifying the enforcement and proper implementation of HTTPS protocol on the OLX.ba webpage to ensure secure connections. It verifies that the URL redirects to "https://olx.ba/", starts with "https," and prevents loading over "http."

Test Name: Basic HTTPS Enforcement Test				
Description: When the user attempts to open the " https://olx.ba/ " link, the HTTP Protocol will open it strictly with HTTPS Protocol for more security measures.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the homepage that contains "http" in the top URL 2. Next, check if the homepage that was opened is using HTTPS protocol		The expected result of this test is: "https://olx.ba/"	The actual result of this test is: "https://olx.ba/"	PASS
Notes:				

```

26
27  ▶    @Test
28      public void testHTTPEnforcement() throws InterruptedException {
29          webDriver.get(baseUrl);
30          webDriver.manage().timeouts().implicitlyWait(Duration.ofSeconds(7));
31          assertEquals( expected: "https://olx.ba/", webDriver.getCurrentUrl());
32      }

```

**Test Name:** Start with HTTPS Protocol Test

Description: When the user attempts to open the “<https://olx.ba/>” link, the HTTP Protocol will open it strictly starting with HTTPS Protocol.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Go to the homepage that contains “http” in the top URL</p> <p>2. Next, check if the homepage that was opened started automatically with the HTTPS protocol</p>		The expected result of this test is that the opened URL starts with “https”	The actual result of this test is that the opened URL starts with “https”	PASS

Notes:

```

34
35     @Test
36     public void testHTTPSStartWith() throws InterruptedException {
37         webDriver.get(baseUrl);
38         webDriver.manage().timeouts().implicitlyWait(Duration.ofSeconds(7));
39         assertTrue(webDriver.getCurrentUrl().startsWith("https"));
    }
```

**Test Name:** Not Open with HTTPS Protocol Test

Description: When the user attempts to open the “<https://olx.ba/>” link, the HTTP Protocol will open it strictly with HTTPS Protocol for more security measures.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the homepage that contains “http” in the top URL 2. Next, check if the homepage that was opened does not use “http” at all		The expected result of this test is that the opened URL does not use “http”	The actual result of this test is that the opened URL does not use “http”	PASS

Notes:

```
41
42  @Test
43  public void testHTTPSNotEquals() throws InterruptedException {
44      webDriver.get(baseUrl);
45      webDriver.manage().timeouts().implicitlyWait(Duration.ofSeconds(7));
46      assertEquals(unexpected: "http://olx.ba/", webDriver.getCurrentUrl());
```



3.2. Registration

The tests validate the registration process by checking both successful and unsuccessful form submissions. They ensure that correct input leads to successful registration, while invalid email or password triggers appropriate error messages. The tests check the visibility of error messages when incorrect data is entered.

Test Name: Registration Success Test				
Description: The successful registration test verifies that a user can correctly fill out the registration form with valid details, and upon submission, they are redirected to the appropriate confirmation page.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Find the registration button on the homepage and click it. Click the accept button to accept the cookies notice.</p> <p>2. Locate the email input field, click it, and enter a valid email address, and then locate the password input field, click it, and enter a valid password. Locate the name input field, click it, and enter a name.</p> <p>3. Find the gender dropdown, select a gender option (female). Find the region dropdown, select a region option. Find the place dropdown, select a place option.</p> <p>4. Locate the checkbox for accepting the terms and conditions and click it to agree. Click the "Register" button to submit the registration form.</p>	<p>Email Field: edina.kurto@94@gmail.com</p> <p>Password Field: kenai_je_moj_pas_123</p> <p>Name Field: Edina_i_Pas</p> <p>Gender Field: Female</p> <p>Region Field: 9</p> <p>Place Field: 133</p>	<p>The expected result is that after submitting the registration form, the user is redirected to the confirmation page with the URL https://olx.ba/vodic.</p>	<p>The expected result is that after submitting the registration form, the user is redirected to the confirmation page with the URL https://olx.ba/vodic.</p>	PASS
Notes:				

```

51  public void testBasicRegistration() throws InterruptedException {
52      webDriver.get(baseUrl);
53      Thread.sleep( millis: 200 );
54      WebElement registrationButton = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/header/div/div[1]/div[2]/a[2]*));
55      registrationButton.click(); webDriver.getCurrentUrl();
56      Thread.sleep( millis: 500 );
57      WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/div/div[2]/div/button[2]*));
58      acceptButton.click();
59      WebElement emailField = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[2]/div/div[1]/div/div/div[1]/div/input*));
60      emailField.click();
61      emailField.sendKeys( ...keysToSend: "edina.kurto14@gmail.com" );
62      Thread.sleep( millis: 200 );
63      WebElement passwordField = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[2]/div/div[1]/div/div/div[2]/div/input*)); passwordField.click();
64      passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123" );
65      Thread.sleep( millis: 200 );
66      WebElement nameField = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[2]/div/div[1]/div/div/div[3]/div/input*));
67      nameField.click();
68      nameField.sendKeys( ...keysToSend: "Edina_i_pas" ); Thread.sleep( millis: 200 );
69      WebElement genderField = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[2]/div/div[1]/div/div/div[4]/select*));
70      genderField.click();
71      Select gender = new Select(webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[2]/div/div[1]/div/div/div[4]/select*)));
72      gender.selectByValue("female"); Thread.sleep( millis: 200 );
73      WebElement regionFieldId = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[2]/div/div[1]/div/div/div[5]/div[1]/div[2]/select*));
74      regionField.click();
75      Select region = new Select(webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[2]/div/div[1]/div/div/div[5]/div[1]/div[2]/select*));
76      region.selectByValue("9");
77      Thread.sleep( millis: 200 );
78      WebElement placeField = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[2]/div/div[1]/div/div/div[5]/div[2]/div/div[2]/select*));
79      placeField.click();
80      Select place = new Select(webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[2]/div/div[1]/div/div/div[5]/div[2]/div/div[2]/select*));
81      place.selectByValue("133");
82      Thread.sleep( millis: 200 );
83      WebElement checkbox = webDriver.findElement(By.xpath( xpathExpression: */*[@id='checkbox*']")); checkbox.click();
84      WebElement registerButton = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div[2]/div/div[1]/div/div/button/div*));
85      registerButton.click();
86      webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[2]/div/div[1]/div/div/button*)).click();
87      System.out.println("Current URL: " + webDriver.getCurrentUrl());
88      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
89      wait.until(ExpectedConditions.urlToBe("https://olx.ba/vodic"));
90      Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/vodic"));
91  }

```

**Test Name:** Registration Incorrect Email Test

Description: This test checks the behavior of the registration form when an invalid email is entered, ensuring that an appropriate error message is displayed.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Find the registration button on the homepage and click it. Click the accept button to accept the cookies notice.</p> <p>2. Locate the email input field and enter an incorrect email address, and then locate the password input field and enter a valid password. Locate the name input field and enter a name.</p> <p>3. Locate the checkbox for accepting the terms and conditions and click it to agree. Click the "Register" button to submit the registration form.</p>	<p>Email Field: edina.kurto94gma il.com</p> <p>Password Field: kenai_ja_moj_pas _123</p>	The registration fails with an error message stating "Polje email mora biti validna e-mail addressa"	The registration fails with an error message stating "Polje email mora biti validna e-mail addressa"	PASS

Notes:

```

88     @Test
89     public void testInvalidEmail() throws InterruptedException {
90         webDriver.get(baseUrl);
91         Thread.sleep( millis: 200 );
92
93         WebElement registrationButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/header/div/div[1]/div[2]/a[2]"));
94         registrationButton.click();
95         Thread.sleep( millis: 500 );
96
97         WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div/div[2]/div/button[2]"));
98         acceptButton.click();
99
100        WebElement emailField = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div[2]/div/div[1]/div/div[1]/div/input"));
101        emailField.click();
102        emailField.sendKeys( ...keysToSend: "edina.kurto94@gmail.com");
103        Thread.sleep( millis: 200 );
104
105        WebElement passwordField = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div[2]/div/div[1]/div/div[2]/div/input"));
106        passwordField.click();
107        passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123");
108        Thread.sleep( millis: 200 );
109
110        WebElement registerButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div[2]/div/div[1]/div/div/button/div"));
111        registerButton.click();
112        Thread.sleep( millis: 200 );
113
114        WebElement emailErrorMessage = webDriver.findElement(By.xpath( xpathExpression: "//small[contains(text(), 'Polje email mora biti validna e-mail addressa.')]"));
115
116        Assertions.assertNotNull(emailErrorMessage);
117        Assertions.assertTrue(emailErrorMessage.isDisplayed());
118    }

```

**Test Name:** Registration Incorrect Password Test

Description: This test checks the behavior of the registration form when an invalid password is entered, ensuring that an appropriate error message is displayed.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Find the registration button on the homepage and click it. Click the accept button to accept the cookies notice.</p> <p>2. Locate the email input field and enter a valid email address, and then locate the password input field and enter a invalid password. Locate the name input field and enter a name.</p> <p>3. Locate the checkbox for accepting the terms and conditions and click it to agree. Click the "Register" button to submit the registration form.</p>	<p>Email Field: edina.kurto@94g mail.com</p> <p>Password Field: kenai</p>	The registration fails with an error message stating "Šifra ne smije biti kraća od 8 karaktera"	The registration fails with an error message stating "Šifra ne smije biti kraća od 8 karaktera"	PASS

Notes:

```

121
122     @Test
123     public void testInvalidPassword() throws InterruptedException {
124         webDriver.get(baseUrl);
125         Thread.sleep( millis: 200 );
126
127         WebElement registrationButton = webDriver.findElement( By.xpath( xpathExpression: "/html/body/div/div/div/header/div/div[1]/div[2]/a[2]" ) );
128         registrationButton.click();
129         Thread.sleep( millis: 500 );
130
131         WebElement acceptButton = webDriver.findElement( By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/button[2]" ) );
132         acceptButton.click();
133
134         WebElement emailField = webDriver.findElement( By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div/div/div[1]/div/input" ) );
135         emailField.click();
136         emailField.sendKeys( ...keysToSend: "edina.kurto94@gmail.com" );
137         Thread.sleep( millis: 200 );
138
139         WebElement passwordField = webDriver.findElement( By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div/div/div[2]/div/input" ) );
140         passwordField.click();
141         passwordField.sendKeys( ...keysToSend: "kenai" );
142         Thread.sleep( millis: 200 );
143
144         WebElement registerButton = webDriver.findElement( By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div/div/button/div" ) );
145         registerButton.click();
146         Thread.sleep( millis: 200 );
147
148         WebElement passwordErrorMessage = webDriver.findElement( By.xpath( xpathExpression: "//small[contains(text(), 'Šifra ne smije biti kraća od 8 karaktera')]" ) );
149
150         Assertions.assertNotNull( passwordErrorMessage );
151         Assertions.assertTrue( passwordErrorMessage.isDisplayed() );
    }

```



3.3. Login

These tests check if a user can successfully log in with valid credentials and be redirected to the homepage, and it also ensures that when a user enters incorrect login details, an error message appears saying "Podaci nisu tačni."

Test Name: Login Successful Test				
Description: Test checks if a user can successfully log in with valid credentials and will be redirected to the homepage.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Navigate to the base URL of the website.</p> <p>2. Find the login button on the page and click it to navigate to the login form</p> <p>3. Click the accept button on any pop-up or modal that appears.</p> <p>4. Locate the username field and type in the username "Edina_Kurto_14"</p> <p>5. Locate the password field, click it, and type the password "kenai_je_moj_pas_123"</p> <p>6. Press enter to submit the login form</p> <p>7. Verify that the current URL is "https://olx.ba/", confirming the login was successful.</p>	<p>Username Field: "Edina_Kurto_14"</p> <p>Password Field: "kenai_je_moj_pas_123"</p>	<p>Verify that the current URL is "https://olx.ba/", confirming the login was successful.</p>	<p>Verified that the current URL is "https://olx.ba/", confirming the login was successful.</p>	PASS
Notes:				

```

27
28 @Test
29 public void testBasicLogin() throws InterruptedException {
30     webDriver.get(baseUrl);
31     Thread.sleep( millis: 200 );
32     WebElement loginLink= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div/header/div/div[1]/div[2]/a[1]"));
33     loginLink.click();
34     webDriver.getCurrentUrl();
35     Thread.sleep( millis: 500 );
36     WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div/div/div[2]/div/button[2]"));
37     acceptButton.click();
38     WebElement nameField = webDriver.findElement(By.name("username"));
39     nameField.click();
40     nameField.sendKeys( ...keysToSend: "Edina_Kurto_14");
41     Thread.sleep( millis: 200 );
42     WebElement passwordField = webDriver.findElement(By.name("password"));
43     passwordField.click();
44     passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123");
45     Thread.sleep( millis: 200 );
46     webDriver.findElement(By.name("password")).sendKeys(Keys.ENTER);
47     System.out.println("Current URL: " + webDriver.getCurrentUrl());
48     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
49     wait.until(ExpectedConditions.urlToBe("https://olx.ba/"));
50     Assertions.assertThat( webDriver.getCurrentUrl().equals("https://olx.ba/"));
51 }

```

**Test Name: Login Fail Test**

Description: Test checks if a user can successfully log in with valid credentials and when not, show an error message.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Navigate to the base URL of the website. Find the login button on the page and click it to navigate to the login form</p> <p>3. Click the accept button on any pop-up or modal that appears.</p> <p>4. Locate the username field and type in the username "Archi"</p> <p>5. Locate the password field, click it, and type the password "kenai"</p> <p>6. Press enter to submit the login form</p>	<p>Username Field: "Archi"</p> <p>Password Field: "kenai"</p>	The expected result is that an error message appears indicating "Podaci nisu tačni" when invalid login credentials are entered.	The actual result is that an error message appeared indicating "Podaci nisu tačni" when invalid login credentials were entered. The message was visible on the page.	PASS

Notes:

```

52     @Test
53     public void testLoginFail() throws InterruptedException {
54         webDriver.get(baseUrl);
55         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
56         WebElement loginLinkFail = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//html/body/div[1]/div/div/header/div/div[1]/div[2]/a[1]")));
57         loginLinkFail.click();
58         WebElement acceptButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//html/body/div[1]/div/div/div[2]/div/button[2]")));
59         acceptButton.click();
60         WebElement nameField = wait.until(ExpectedConditions.visibilityOfElementLocated(By.name("username")));
61         nameField.sendKeys("_keysToSend: \"edina.kurtostu.ibu.edu.ba\"");
62         WebElement passwordField = webDriver.findElement(By.name("password"));
63         passwordField.sendKeys("_keysToSend: \"kenai_je_moj_pas_123\"");
64         passwordField.sendKeys(Keys.ENTER);
65         WebElement message = wait.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector(".v-toast__text")));
66         JavascriptExecutor jsExecutor = (JavascriptExecutor) webDriver;
67         jsExecutor.executeScript("arguments[0].scrollIntoView(true);", message);
68         Assertions.assertNotNull(message);
69         Assertions.assertTrue(message.isDisplayed());
70         Assertions.assertTrue(message.getText().contains("Podaci nisu tačni."));
71     }

```



3.4. Home Page Test

The test scenario verifies the functionality of viewing item photos on the OLX.ba homepage after performing a search and navigating to the item's detail page. This test scenario also verifies the filtering functionality on the OLX.ba homepage, ensuring users can interact with filters, select a category, and observe the correct changes in the filter button's label and the URL.

Test Name: Individual Item Photo and Description View				
Description: This test verifies the functionality of viewing item photos on OLX.ba.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba.</p> <p>2. Wait for the cookie acceptance button to appear and for the search field to become clickable, then click it</p> <p>3. Clear the search field and enter the text in the test data then press enter for the search result to load.</p> <p>4. Locate the photo view section on the item's detail page and click on it then repeat the click action multiple times to navigate through multiple photos.</p> <p>5. Verify that the final URL matches the expected item's detail page URL: "https://olx.ba/artikal/64623248#".</p>	<p>- Searchbar input needed for a successful test: "Laptop HP Victus 15; R5 7535HS; RX 6550M; 512GB; 16GB; 15"6 DOPER"</p>	<p>Expected result is the expected item's detail page URL: "https://olx.ba/artikal/64623248#".</p>	<p>Actual result was the expected URL: "https://olx.ba/artikal/64623248#".</p>	PASS
Notes: This test showcases how each individual item/oglas has a different URL, description, photos, titles and filters. The test itself contains many codes that were individually tested for this to work smoothly.				

```
27 @Test
28 public void HomePageItemPhotoView() throws InterruptedException {
29     webDriver.get(baseUrl);
30     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
31     WebElement acceptButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//html/body/div[1]/div/div/div/div[2]/div/button[2]")));
32     acceptButton.click();
33     WebElement searchField = wait.until(ExpectedConditions.elementToBeClickable(By.name("notASearchField")));
34     searchField.click();
35     searchField.clear();
36     searchField.sendKeys(KeysToSend."Laptop HP Victus 15; R5 7535HS; RX 6550M; 512GB; 16GB; 15\"6 DOPER ");
37     searchField.sendKeys(Keys.ENTER);
38     webDriver.getCurrentUrl();
39     Thread.sleep(500);
40     WebElement chooseItem = webDriver.findElement(By.xpath("//html/body/div/div/div[1]/div/div[2]/div/div[3]/div/div[1]/div/a/div/div[1]/div[3]/div/div[1]/div/div[2]/div/div[3]/div/div[1]/div/div[2]/div/div[4]/div"));
41     chooseItem.click();
42     webDriver.getCurrentUrl();
43     Thread.sleep(500);
44     WebElement photoview= webDriver.findElement(By.xpath("//html/body/div/div/div/div[1]/div/div[1]/div/div[5]/div/div[1]/div[2]/div/div[4]"));
45     photoview.click();
46     webDriver.getCurrentUrl();
47     WebElement photoview1= webDriver.findElement(By.xpath("//html/body/div/div/div/div[1]/div/div[1]/div/div[1]/div/div[1]/div[1]/div[3]/div/div[1]/div[2]/div/div[4]"));
48     photoview1.click();
49     webDriver.getCurrentUrl();
50     WebElement photoview2= webDriver.findElement(By.xpath("//html/body/div/div/div/div[1]/div/div[1]/div/div[1]/div/div[1]/div[1]/div[3]/div/div[1]/div[2]/div/div[4]"));
51     photoview2.click();
52     webDriver.getCurrentUrl();
53     WebDriverWait wait1 = new WebDriverWait(webDriver, Duration.ofSeconds(5));
54     wait1.until(ExpectedConditions.urlToBe("https://olx.ba/artikal/6462324#"));
55     Assertions.assertThat(webDriver.getCurrentUrl()).equals("https://olx.ba/artikal/6462324#");
56 }
```

**Test Name:** Home Page Filter System

Description: Filtering functionality on the OLX.ba homepage, ensuring users can interact with filters and select a specific category.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba.</p> <p>2. Wait for the cookie acceptance button to appear and for the search field to become clickable, then click it</p> <p>3. Locate the filter button on the homepage, then click on it to open the filter options.</p> <p>4. Locate and select a category ("Moj dom") from the filter menu.</p> <p>5. Wait for the filter button to update and verify that the button text changes to reflect the selected category ("Moj dom").</p>		Expected result is that the filter button matches the expected "Moj dom" category.	Actual result was that the filter button matches the expected "Moj dom" category.	PASS

Notes:

```

58
59     @Test
60     public void HomePageFilter() throws InterruptedException {
61         webDriver.getBaseUrl();
62         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
63         WebElement acceptButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//html/body/div[1]/div/div/div/div[2]/div/button[2]")));
64         acceptButton.click();
65         WebElement filter= webDriver.findElement(By.cssSelector(".mb-lg > button:nth-child(2)"));
66         filter.click();
67         webDriver.getCurrentUrl();
68         WebElement category= webDriver.findElement(By.cssSelector(".custom-list > li:nth-child(2)"));
69         category.click();
70         webDriver.getCurrentUrl();
71
72         WebElement filterButtonAfterSelection = wait.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector(".mb-lg > button:nth-child(2)")));
73         String actualFilterButtonText = filterButtonAfterSelection.getText();
74         String expectedFilterButtonText = "Moj dom";
75         Assertions.assertEquals(expectedFilterButtonText, actualFilterButtonText);
76         Assertions.assertTrue(webDriver.getCurrentUrl().contains("https://olx.ba/"));
    }

```

**Test Name:** Home Page View Packet Button (Not Logged In)

Description: Verification that clicking the Paketi button on the homepage correctly navigates to the "<https://olx.ba/shopovi/paketi>" page.

Pre-condition(s): Are there any conditions or other tests that need to be executed before this test; are there any test fixtures? If not, leave this blank.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba.</p> <p>2. Wait for the cookie acceptance button to appear and for the search field to become clickable, then click it</p> <p>3. Wait for the "Paketi" button to become visible on the page and locate it then scroll the page to bring the "Paketi" button into view.</p> <p>4. Click the "Paketi" button</p> <p>5. Assert that the current URL is updated to "https://olx.ba/shopovi/paketi".</p>		<p>After clicking the "Paketi" button, the browser should navigate to the URL "https://olx.ba/shopovi/paketi".</p>	<p>Actual result was that after clicking the "Paketi" button, the browser navigated to the URL "https://olx.ba/shopovi/paketi".</p>	PASS

Notes:

```

79  @Test
80  public void PaketiButton() throws InterruptedException {
81      webDriver.get(baseUrl);
82      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(15));
83      WebElement acceptButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//html/body/div[1]/div/div/div/div[2]/div/button[2]")));
84      acceptButton.click();
85      WebElement button = wait.until(ExpectedConditions.presenceOfElementLocated(By.cssSelector("div.bg-gray-800 > div:nth-child(1) > button:nth-child(3)")));
86      ((JavascriptExecutor) webDriver).executeScript("arguments[0].scrollIntoView({block: 'center'});", button);
87      Thread.sleep( millis: 1000 );
88      button.click();
89      Assertions.assertEquals( expected: "https://olx.ba/shopovi/paketi", webDriver.getCurrentUrl());
90  }

```

3.5. Categories Test

This code contains multiple test methods that verify navigation and functionality for various categories on the OLX website. Each test clicks on a category (e.g., Vehicles, Real Estate, Jobs, etc.) from the homepage, checks that the URL matches the expected category URL, and confirms that the correct text or elements appear on the page. The tests also include waiting for the page to load and ensuring the expected URLs are reached.

Test Name: Vozila Link Test				
Description: Verification of the categories on the website and if it leads to the correct pages.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Vozila" link. 2. Validate that the current URL is exactly "https://olx.ba/vozila"		The browser should navigate to the car page of OLX. The URL should be " https://olx.ba/vozila ". Additionally, the page should display the text: "Polovna i nova vozila, automobili, motocikli, bicikli, kamioni, teretna vozila, quadovi".	The browser should navigate to the car page of OLX. The URL should be " https://olx.ba/vozila ". The page displays the text "Polovna i nova vozila, automobili, motocikli, bicikli, kamioni, teretna vozila, quadovi".	PASS
Notes:				

```

27
28  @Test
29  public void testVozila() {
30      webDriver.get(baseUrl);
31      WebElement vozila = webDriver.findElement(By.xpath("//*[@id='sect-btn0[*]]"));
32      vozila.click();
33      webDriver.getCurrentUrl();
34
35      System.out.println("Current URL: " + webDriver.getCurrentUrl());
36      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
37      wait.until(ExpectedConditions.urlToBe("https://olx.ba/vozila"));
38      Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/vozila"));
39
40      WebElement text = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div/div/div/div[1]/div/div[2]/div[1]/h2")));
41      Assertions.assertEquals(expected: "Polovna i nova vozila, automobili, motocikli, bicikli, kamioni, teretna vozila, quadovi", text.getText());
    }
  
```

**Test Name:** Nekretnine Link Test**Description:** Verification of the categories on the website and if it leads to the correct pages.**Pre-condition(s):**

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Nekretnine" link.</p> <p>2. Validate that the current URL is exactly "https://olx.ba/nekretnine"</p>		<p>The browser should navigate to the nekretnine page. URL should be "https://olx.ba/nekretnine"</p> <p>Additionally, the page should display the text: "Stanovi i apartmani, kuće, zemljišta, poslovni prostori, vikendice, skladišta i hale".</p>	<p>The browser should navigate to the nekretnine page. URL should be "https://olx.ba/nekretnine"</p> <p>The page displays the text "Stanovi i apartmani, kuće, zemljišta, poslovni prostori, vikendice, skladišta i hale".</p>	PASS

Notes:

```

45
46     @Test
47     public void testNekretnine() {
48         webDriver.get(baseUrl);
49         WebElement nekretnine = webDriver.findElement(By.xpath("//html/body/div/div/div/div[1]/div/div[1]/div/a[3]/div"));
50         nekretnine.click();
51         webDriver.getCurrentUrl();
52
53         System.out.println("Current URL: " + webDriver.getCurrentUrl());
54         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
55         wait.until(ExpectedConditions.urlToBe("https://olx.ba/nekretnine"));
56         Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/nekretnine"));
57
58         WebElement text = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div/div/div/div[1]/div/div[2]/div[1]/h2")));
59         Assertions.assertEquals(expected: "Stanovi i apartmani, kuće, zemljišta, poslovni prostori, vikendice, skladišta i hale", text.getText());
60     }

```

**Test Name:** Servisi i Usluge Link Test**Description:** Verification of the categories on the website and if it leads to the correct pages.**Pre-condition(s):**

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Servisi i Usluge" link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/pretraga?category_id=2159&from_homepage=1</p>		The browser should navigate to the servis page. The URL should be https://olx.ba/pretraga?category_id=2159&from_homepage=1	The browser should navigate to the servis page. The URL should be https://olx.ba/pretraga?category_id=2159&from_homepage=1	PASS

Notes:

```

59
60     @Test
61     public void testServisi_Usluge() {
62         webDriver.get(baseUrl);
63         WebElement servis = webDriver.findElement(By.xpath("//html/body/div/div/div[1]/div/div[1]/div/a[4]/div"));
64         servis.click();
65         webDriver.getCurrentUrl();
66
67         System.out.println("Current URL: " + webDriver.getCurrentUrl());
68         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
69         wait.until(ExpectedConditions.urlToBe("https://olx.ba/pretraga?category_id=2159&from_homepage=1"));
70         Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/pretraga?category_id=2159&from_homepage=1"));
    }

```

Test Name: Poslovi Link Test**Description:** Verification of the categories on the website and if it leads to the correct pages.**Pre-condition(s):**

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Poslovi" link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/pretraga?category_id=2286&from_homepage=1</p>		The browser should navigate to the job page. The URL should be https://olx.ba/pretraga?category_id=2286&from_homepage=1	The browser should navigate to the job page. The URL should be https://olx.ba/pretraga?category_id=2286&from_homepage=1	PASS

Notes:



```

72     @Test
73     public void testPoslovi() {
74         webDriver.get(baseUrl);
75         WebElement posao = webDriver.findElement(By.xpath(xpathExpression: "/html/body/div/div/div[1]/div/div[1]/div/a[5]/div"));
76         posao.click();
77         webDriver.getCurrentUrl();
78
79         System.out.println("Current URL: " + webDriver.getCurrentUrl());
80         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
81         wait.until(ExpectedConditions.urlToBe("https://olx.ba/pretraga?category_id=228&from_homepage=1"));
82         Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/pretraga?category_id=228&from_homepage=1"));
83     }

```

Test Name: Djelovi Link Test**Description:** Verification of the categories on the website and if it leads to the correct pages.**Pre-condition(s):**

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Djelovi" link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/pretraga?category_id=928&from_homepage=1</p>		The browser should navigate to the parts page. The URL should be https://olx.ba/pretraga?category_id=928&from_homepage=1	The browser should navigate to the parts page. The URL should be https://olx.ba/pretraga?category_id=928&from_homepage=1	PASS

Notes:

```

85     @Test
86     public void testDijelovi() {
87         webDriver.get(baseUrl);
88         WebElement dio = webDriver.findElement(By.xpath(xpathExpression: "/html/body/div/div/div[1]/div/div[1]/div/a[6]/div"));
89         dio.click();
90         webDriver.getCurrentUrl();
91
92         System.out.println("Current URL: " + webDriver.getCurrentUrl());
93         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
94         wait.until(ExpectedConditions.urlToBe("https://olx.ba/pretraga?category_id=928&from_homepage=1"));
95         Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/pretraga?category_id=928&from_homepage=1"));
96     }

```

**Test Name:** Mobitel Link Test**Description:** Verification of the categories on the website and if it leads to the correct pages.**Pre-condition(s):**

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Mobitel" link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/pretraga?category_id=3&from_homepage=1</p>		The browser should navigate to the mobile page. The URL should be https://olx.ba/pretraga?category_id=3&from_homepage=1	The browser should navigate to the mobile page. The URL should be https://olx.ba/pretraga?category_id=3&from_homepage=1	PASS

Notes:

```

98
99     @Test
100    public void testMobitel() {
101        webDriver.get(baseUrl);
102        WebElement mobitel = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div/div[1]/div/a[7]/div"));
103        mobitel.click();
104        webDriver.getCurrentUrl();

105        System.out.println("Current URL: " + webDriver.getCurrentUrl());
106        WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
107        wait.until(ExpectedConditions.urlToBe("https://olx.ba/pretraga?category_id=3&from_homepage=1"));
108        Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/pretraga?category_id=3&from_homepage=1"));
109    }

```

Test Name: Kompjuter Link Test**Description:** Verification of the categories on the website and if it leads to the correct pages.**Pre-condition(s):**

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Kompjuter" link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/pretraga?category_id=5&from_homepage=1</p>		The browser should navigate to the computer page. The URL should be https://olx.ba/pretraga?category_id=5&from_homepage=1	The browser should navigate to the computer page. The URL should be https://olx.ba/pretraga?category_id=5&from_homepage=1	PASS

Notes:



```

111
112 @Test
113 public void testKomputer() {
114     webDriver.get(baseUrl);
115     WebElement komp = webDriver.findElement(By.xpath("//html/body/div/div/div[1]/div/div[1]/div/a[8]/div"));
116     komp.click();
117     webDriver.getCurrentUrl();
118
119     System.out.println("Current URL: " + webDriver.getCurrentUrl());
120     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
121     wait.until(ExpectedConditions.urlToBe("https://olx.ba/pretraga?category_id=5&from_homepage=1"));
122     Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/pretraga?category_id=5&from_homepage=1"));
123 }
```

Test Name: Tehnika Link Test**Description:** Verification of the categories on the website and if it leads to the correct pages.**Pre-condition(s):**

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the “Tehnika” link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/pretraga?category_id=14&from_homepage=1</p>		The browser should navigate to the technics page. The URL should be https://olx.ba/pretraga?category_id=14 &from_homepage=1	The browser should navigate to the technics page. The URL should be https://olx.ba/pretraga?category_id=14 &from_homepage=1	PASS

Notes:

```

124
125 @Test
126 public void testTehnika() {
127     webDriver.get(baseUrl);
128     WebElement tehnika = webDriver.findElement(By.xpath("//html/body/div/div/div[1]/div/div[1]/div/a[9]/div"));
129     tehnika.click();
130     webDriver.getCurrentUrl();
131
132     System.out.println("Current URL: " + webDriver.getCurrentUrl());
133     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
134     wait.until(ExpectedConditions.urlToBe("https://olx.ba/pretraga?category_id=14&from_homepage=1"));
135     Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/pretraga?category_id=14&from_homepage=1"));
136 }
```

**Test Name:** Moj Dom Link Test**Description:** Verification of the categories on the website and if it leads to the correct pages.**Pre-condition(s):**

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the “Moj Dom” link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/pretraga?category_id=701&from_homepage=1</p>		The browser should navigate to my home page. The URL should be https://olx.ba/pretraga?category_id=701&from_homepage=1	The browser should navigate to my home page. The URL should be https://olx.ba/pretraga?category_id=701&from_homepage=1	PASS

Notes:

```

137
138     @Test
139     public void testMoj_Dom() {
140         webDriver.get(baseUrl);
141         WebElement dom = webDriver.findElement(By.xpath("//html/body/div/div/div[1]/div/div[1]/div/a[10]/div"));
142         dom.click();
143         webDriver.getCurrentUrl();
144
145         System.out.println("Current URL: " + webDriver.getCurrentUrl());
146         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
147         wait.until(ExpectedConditions.urlToBe("https://olx.ba/pretraga?category_id=701&from_homepage=1"));
148         Assertions.assertThat(webDriver.getCurrentUrl()).equals("https://olx.ba/pretraga?category_id=701&from_homepage=1");
    }

```

**Test Name:** Biznis Link Test**Description:** Verification of the categories on the website and if it leads to the correct pages.**Pre-condition(s):**

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the “Biznis” link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/pretraga?category_id=224&from_homepage=1</p>		The browser should navigate to the biznis page. The URL should be https://olx.ba/pretraga?category_id=224&from_homepage=1	The browser should navigate to the biznis page. The URL should be https://olx.ba/pretraga?category_id=224&from_homepage=1	PASS

Notes:

```

150
151 @Test
152 public void testBiznis_Industrija() {
153     webDriver.get(baseUrl);
154     WebElement biznis = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div[1]/div/div[1]/div/a[11]/div"));
155     biznis.click();
156     webDriver.getCurrentUrl();
157
158     System.out.println("Current URL: " + webDriver.getCurrentUrl());
159     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
160     wait.until(ExpectedConditions.urlToBe("https://olx.ba/pretraga?category_id=224&from_homepage=1"));
161     Assertions.assertThat(webDriver.getCurrentUrl().equals("https://olx.ba/pretraga?category_id=224&from_homepage=1"));
}

```

**Test Name:** Odjeca i Obuca Link Test**Description:** Verification of the categories on the website and if it leads to the correct pages.**Pre-condition(s):**

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the “Odjeca i Obuca” link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/pretraga?category_id=465&from_homepage=1</p>		The browser should navigate to the clothes page. The URL should be https://olx.ba/pretraga?category_id=465&from_homepage=1	The browser should navigate to the clothes page. The URL should be https://olx.ba/pretraga?category_id=465&from_homepage=1	PASS

Notes:

```

163
164     @Test
165     public void testOdjeca_Obuca() {
166         webDriver.get(baseUrl);
167         WebElement odjeca = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div/div[1]/div/a[12]/div"));
168         odjeca.click();
169         webDriver.getCurrentUrl();
170
171         System.out.println("Current URL: " + webDriver.getCurrentUrl());
172         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
173         wait.until(ExpectedConditions.urlToBe("https://olx.ba/pretraga?category_id=465&from_homepage=1"));
174         Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/pretraga?category_id=465&from_homepage=1"));
175     }

```

**Test Name:** Sportska Oprema Link Test**Description:** Verification of the categories on the website and if it leads to the correct pages.**Pre-condition(s):**

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the “Sportska Oprema” link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/pretraga?category_id=171&from_homepage=1</p>		The browser should navigate to the sports page. The URL should be https://olx.ba/pretraga?category_id=171&from_homepage=1	The browser should navigate to the sports page. The URL should be https://olx.ba/pretraga?category_id=171&from_homepage=1	PASS

Notes:

```

176
177     @Test
178     public void testSportska_oprema() {
179         webDriver.get(baseUrl);
180         WebElement oprema = webDriver.findElement(By.xpath("//html/body/div/div/div[1]/div/div[1]/div/a[13]/div"));
181         oprema.click();
182         webDriver.getCurrentUrl();
183
184         System.out.println("Current URL: " + webDriver.getCurrentUrl());
185         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
186         wait.until(ExpectedConditions.urlToBe("https://olx.ba/pretraga?category_id=171&from_homepage=1"));
187         Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/pretraga?category_id=171&from_homepage=1"));
    }

```



3.6. Searchbar Test

These tests verify the search bar functionality on our website. The first test checks that searching for the correct item redirects to the correct results page, while the second test ensures that searching for a non-existent item displays a "No results found" message.

Test Name: Search Bar Item Found				
Description: Verification of the search bar functions on the website and if it leads to the correct pages.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Launch the browser and navigate to the base URL of OLX.ba and wait for the search field to become clickable and then click on it. Clear any existing text in the search field. 2. Type the search query "renault clio" into the search field and press enter. 3. Wait for the page to load and verify that the URL contains " https://olx.ba/pretraga?q=renault+clio ".	Searchbar input must be: "renault clio"	The browser navigates to the search results page " https://olx.ba/pretraga?q=renault+clio " and displays relevant search results for "renault clio".	The browser navigates to the search results page " https://olx.ba/pretraga?q=renault+clio " and displays relevant search results for "renault clio".	PASS
Notes:				

```

27  @Test
28  public void searchBarItem() {
29      webDriver.get(baseUrl);
30      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
31      WebElement searchField = wait.until(ExpectedConditions.elementToBeClickable(By.name("notASearchField")));
32      searchField.click();
33      searchField.clear();
34      searchField.sendKeys(Keys.sendKeys("renault clio"));
35      searchField.sendKeys(Keys.ENTER);
36      wait.until(ExpectedConditions.urlContains(fraction: "https://olx.ba/pretraga?q=renault+clio"));
37  }

```

**Test Name:** Search Bar Item Not Found

Description: Verification of the search bar functions on the website and if it shows the correct error message.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and wait for the search field to become clickable and then click on it. Clear any existing text in the search field.</p> <p>2. Type the search query "moj dragi pas kenai" into the search field and press enter.</p> <p>3. Wait for the message to appear and verify the text of the message is "Nema rezultata za traženi pojam".</p>	Searchbar input must be: "moj dragi pas kenai" or anything that is not usually on sale.	Verify the text of the message is "Nema rezultata za traženi pojam".	Verified text of the message was "Nema rezultata za traženi pojam".	PASS

Notes:

```

38
39
40 @Test
41 public void searchBarItemNotFound() {
42     webDriver.get(baseUrl);
43     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
44     WebElement searchField = wait.until(ExpectedConditions.elementToBeClickable(By.name("notASearchField")));
45     searchField.click();
46     searchField.clear();
47     searchField.sendKeys(KeysToSend.TEXT, "moj dragi pas kenai");
48     searchField.sendKeys(Keys.ENTER);
49     wait.until(ExpectedConditions.urlContains(fraction) "https://olx.ba/pretraga?q=moj+dragi+pas+kenai");
50     WebElement failText = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath(xpathExpression: '//h1[contains(text(),\'Nema rezultata za traženi pojam\')]')));
51     assertEquals(expected: "Nema rezultata za traženi pojam", failText.getText());
52 }
```



3.7. Top Navigation Test

These tests verify the functionality of various top navigation links on the OLX.ba website. Each test ensures that clicking on a specific link (e.g., "Početna," "Kategorije," "Marketing," "Shops," and various other links) redirects the user to the correct page, validates the URL, and handles any necessary window switching for external links like "Marketing" or "Blog." Additionally, they check if the correct URL is loaded after the navigation and confirm the page contents.

3.7.1. Top Navigation Basic Test

Test Name: Početna Link Test				
Description: Verification of the top navigation bar on the website and if it leads to the correct pages.				
Pre-condition(s):				
Test Steps: 1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Početna" link. 2. Validate that the current URL is exactly " https://olx.ba/ ".	Test Data:	Expected Result: The browser should navigate to the homepage of OLX. The URL should be " https://olx.ba/ "	Actual Result: The browser should navigate to the homepage of OLX. The URL should be " https://olx.ba/ "	Status: PASS
Notes:				

```

27
28  @Test
29  public void testTopNavigation_Pocetna() throws InterruptedException {
30      webDriver.get(baseUrl);
31      Thread.sleep( millis: 200 );
32      WebElement pocetnaLink= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/header/div/div[1]/div[1]/div[3]/ul/li[1]/a"));
33      pocetnaLink.click();
34      webDriver.getCurrentUrl();
35      Thread.sleep( millis: 500 );
36      System.out.println("Current URL: " + webDriver.getCurrentUrl());
37      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
38      wait.until(ExpectedConditions.urlToBe("https://olx.ba/"));
39      Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/"));
    }
  
```

**Test Name:** Kategorije Link Test

Description: Verification of the top navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Kategorije" link.</p> <p>2. Validate that the current URL is exactly "https://olx.ba/kategorije".</p>		The browser should navigate to the category page. URL should be "https://olx.ba/kategorije"	The browser should navigate to the category page. URL should be "https://olx.ba/kategorije"	PASS

Notes:

```

41  @Test
42  public void testTopNavigation_Kategorije() throws InterruptedException {
43      webDriver.get(baseUrl);
44      Thread.sleep( millis: 200 );
45      WebElement kategorijeLink= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/header/div/div[1]/div[1]/div[3]/ul/li[2]/a" ));
46      kategorijeLink.click();
47      webDriver.getCurrentUrl();
48      Thread.sleep( millis: 500 );
49      System.out.println("Current URL: " + webDriver.getCurrentUrl());
50      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
51      wait.until(ExpectedConditions.urlToBe("https://olx.ba/kategorije"));
52      Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/kategorije"));
53  }

```

Test Name: Marketing Link Test

Description: Verification of the top navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Marketing" link.</p> <p>2. Validate that the current URL is exactly "https://marketing.olx.ba/"</p>		The browser should navigate to the marketing page. The URL should be "https://marketing.olx.ba/"	The browser should navigate to the marketing page. The URL should be "https://marketing.olx.ba/"	PASS

Notes:

```

55  @Test
56  public void testTopNavigation_Marketing() throws InterruptedException {
57      webDriver.get(baseUrl);
58      WebElement marketingLink = webDriver.findElement(By.xpath(xpathExpression: "/html/body/div/div/div/header/div/div[1]/div[1]/div[3]/ul/li[4]/a"));
59      marketingLink.click();
60      for (String windowHandle : webDriver.getWindowHandles()) {
61          webDriver.switchTo().window(windowHandle);
62      }
63      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
64      wait.until(ExpectedConditions.urlToBe("https://marketing.olx.ba/"));
65      Assertions.assertEquals(expected: "https://marketing.olx.ba/", webDriver.getCurrentUrl());
66      webDriver.close();
67      webDriver.switchTo().window(webDriver.getWindowHandles().iterator().next());
68  }

```

Test Name: Blog Link Test

Description: Verification of the top navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Blog" link.</p> <p>2. Validate that the current URL is exactly https://blog.olx.ba/</p>		The browser should navigate to the blog page. The URL should be "https://blog.olx.ba/"	The browser should navigate to the blog page. The URL should be "https://blog.olx.ba/"	PASS

Notes:

```

84  @Test
85  public void testTopNavigation_Blog() throws InterruptedException {
86      webDriver.get(baseUrl);
87      WebElement blogLink = webDriver.findElement(By.xpath(xpathExpression: "/html/body/div/div/div/header/div/div[1]/div[1]/div[3]/ul/li[5]/a"));
88      blogLink.click();
89      for (String windowHandle : webDriver.getWindowHandles()) {
90          webDriver.switchTo().window(windowHandle);
91      }
92      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
93      wait.until(ExpectedConditions.urlToBe("https://blog.olx.ba/"));
94      Assertions.assertEquals(expected: "https://blog.olx.ba/", webDriver.getCurrentUrl());
95      webDriver.close();
96      webDriver.switchTo().window(webDriver.getWindowHandles().iterator().next());
97  }

```

**Test Name:** Shops Link Test

Description: Verification of the top navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Shopovi" link.</p> <p>2. Validate that the current URL is exactly "https://olx.ba/shopovi"</p>		The browser should navigate to the shopping page. The URL should be "https://olx.ba/shopovi"	The browser should navigate to the shopping page. The URL should be "https://olx.ba/shopovi"	PASS

Notes:

```

70
71 @Test
72 public void testTopNavigation_Shops() throws InterruptedException {
73     webDriver.get(baseUrl);
74     Thread.sleep( millis: 200 );
75     WebElement shopLink= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/header/div/div[1]/div[1]/div[3]/ul/li[3]/a"));
76     shopLink.click();
77     webDriver.getCurrentUrl();
78     Thread.sleep( millis: 500 );
79     System.out.println("Current URL: " + webDriver.getCurrentUrl());
80     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
81     wait.until(ExpectedConditions.urlToBe("https://olx.ba/shopovi"));
82     Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/shopovi"));
}

```



3.7.2. Top Navigation Other Links Test

Test Name: Other Link “Podrška Korisnicima ” Link Test				
Description: Verification of the top navigation bar on the website and if it leads to the correct pages.				
Pre-condition(s):				
Test Steps: 1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the “Podrška Korisnicima ” link. 2. Validate that the current URL is exactly "https://pomoc.olx.ba/hc_bs"	Test Data: (empty)	Expected Result: The browser should navigate to the support page. The URL should be "https://pomoc.olx.ba/hc_bs"	Actual Result: The browser should navigate to the support page. The URL should be "https://pomoc.olx.ba/hc_bs"	Status: PASS
Notes:				

```

  99
100  @Test
101  public void testTopNavigation_OtherLinks_PodrškaKorisnicima() {
102      webDriver.get(baseUrl);
103      WebElement ostatilink = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/header/div/div[1]/div[1]/div[3]/ul/li[7]"));
104      ostatilink.click();
105      WebElement podrška = webDriver.findElement(By.LinkText("Podrška Korisnicima"));
106      podrška.click();
107      for (String windowHandle : webDriver.getWindowHandles()) {
108          webDriver.switchTo().window(windowHandle);
109      }
110      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
111      wait.until(ExpectedConditions.urlToBe("https://pomoc.olx.ba/hc_bs"));
112      Assertions.assertEquals( expected: "https://pomoc.olx.ba/hc_bs", webDriver.getCurrentUrl());
113      webDriver.close();
114      webDriver.switchTo().window(webDriver.getWindowHandles().iterator().next());
}

```

**Test Name:** Other Link “O nama ” Link Test

Description: Verification of the top navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>Test Steps:</p> <ol style="list-style-type: none"> 1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the “O nama” link. 2. Validate that the current URL is exactly https://olx.ba/o-olxu/o-nama 		The browser should navigate to the about us page. The URL should be https://olx.ba/o-olxu/o-nama	The browser should navigate to the about us page. The URL should be https://olx.ba/o-olxu/o-nama	PASS

Notes:

```

116
117 @Test
118 public void testTopNavigation_OtherLinks_Onama () {
119     webDriver.get(baseUrl);
120
121     WebElement ostaliLink = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/header/div/div[1]/div[1]/div[3]/ul/li[7]"));
122     ostaliLink.click();
123
124     WebElement o_nama = webDriver.findElement(By.linkText("O nama"));
125     o_nama.click();
126     webDriver.getCurrentUrl();
127
128     System.out.println("Current URL: " + webDriver.getCurrentUrl());
129     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
130     wait.until(ExpectedConditions.urlToBe("https://olx.ba/o-olxu/o-nama"));
131     Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/o-olxu/o-nama"));
}

```

Test Name: Other Link “Uslovi Korištenja ” Link Test

Description: Verification of the top navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>Test Steps:</p> <ol style="list-style-type: none"> 1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the“Uslovi Korištenja ” link. 2. Validate that the current URL is exactly https://olx.ba/o-olxu/uslovi-koristenja 		The browser should navigate to the manual page. The URL should be https://olx.ba/o-olxu/uslovi-koristenja	The browser should navigate to the manual page. The URL should be https://olx.ba/o-olxu/uslovi-koristenja	PASS

Notes:



```

133
134 @Test
135 public void testTopNavigation_OtherLinks_UsloviKorištenja() {
136     webDriver.get(baseUrl);
137     WebElement ostaliLink = webDriver.findElement(By.xpath("//html/body/div/div/header/div/div[1]/div[1]/div[3]/ul/li[7]"));
138     ostaliLink.click();
139     WebElement uslovi = webDriver.findElement(By.linkText("Uslovi korištenja"));
140     uslovi.click();
141     webDriver.getCurrentUrl();
142     System.out.println("Current URL: " + webDriver.getCurrentUrl());
143     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
144     wait.until(ExpectedConditions.urlToBe("https://olx.ba/o-olxu/uslovi-koristenja"));
145     Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/o-olxu/uslovi-koristenja"));
}

```

Test Name: Other Link “OLX Kredit” Link Test

Description: Verification of the top navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the “OLX Kredit” link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/o-olxu/olxkredit</p>		The browser should navigate to the OLX credit page. The URL should be https://olx.ba/o-olxu/olxkredit	The browser should navigate to the OLX credit page. The URL should be https://olx.ba/o-olxu/olxkredit	PASS

Notes:

```

147
148 @Test
149 public void testTopNavigation_OtherLinks_OLXKredit() {
150     webDriver.get(baseUrl);
151     WebElement ostaliLink = webDriver.findElement(By.xpath("//html/body/div/div/header/div/div[1]/div[1]/div[3]/ul/li[7]"));
152     ostaliLink.click();
153     WebElement kredit = webDriver.findElement(By.linkText("OLX kredit"));
154     kredit.click();
155     webDriver.getCurrentUrl();
156     System.out.println("Current URL: " + webDriver.getCurrentUrl());
157     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
158     wait.until(ExpectedConditions.urlToBe("https://olx.ba/o-olxu/olxkredit"));
159     Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/o-olxu/olxkredit"));
}

```

Test Name: Other Link “Online Sigurnost” Link Test

Description: Verification of the top navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the “Online Sigurnost” link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/o-olxu/online-sigurnost</p>		The browser should navigate to the online security page. The URL should be https://olx.ba/o-olxu/online-sigurnost	The browser should navigate to the online security page. The URL should be https://olx.ba/o-olxu/online-sigurnost	PASS

Notes:

```

161
162  @Test
163  public void testTopNavigation_OtherLinks_Sigurnost() {
164      webDriver.get(baseUrl);
165
166      WebElement ostaliLink = webDriver.findElement(By.xpath("//html/body/div/div/div/header/div/div[1]/div[1]/div[3]/ul/li[7]"));
167      ostaliLink.click();
168
169      WebElement sigurnost = webDriver.findElement(By.linkText("Online sigurnost"));
170      sigurnost.click();
171      webDriver.getCurrentUrl();
172
173      System.out.println("Current URL: " + webDriver.getCurrentUrl());
174      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
175      wait.until(ExpectedConditions.urlToBe("https://olx.ba/o-olxu/online-sigurnost"));
176      Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/o-olxu/online-sigurnost"));
}

```

Test Name: Other Link “Privatnost Podataka” Link Test

Description: Verification of the top navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the “Privatnost Podataka” link.</p> <p>2. Validate that the current URL is exactly https://olx.ba/o-olxu/privatnost-podataka</p>		The browser should navigate to the privacy page. The URL should be https://olx.ba/o-olxu/privatnost-podataka	The browser should navigate to the privacy page. The URL should be https://olx.ba/o-olxu/privatnost-podataka	PASS

Notes:

```

178 @Test
179 public void testTopNavigation_OtherLinks_Privatnost() {
180     webDriver.get(baseUrl);
181     WebElement ostaliLink = webDriver.findElement(By.xpath("//html/body/div/div/div/header/div/div[1]/div[1]/div[3]/ul/li[7]"));
182     ostaliLink.click();
183     WebElement privatnost = webDriver.findElement(By.linkText("Privatnost podataka"));
184     privatnost.click();
185     webDriver.getCurrentUrl();
186     System.out.println("Current URL: " + webDriver.getCurrentUrl());
187     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
188     wait.until(ExpectedConditions.urlToBe("https://olx.ba/o-olxu/privatnost-podataka"));
189     Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/o-olxu/privatnost-podataka"));
190 }
```

3.8. Footer Test

These tests verify the functionality of various bottom navigation links on the OLX.ba website. Each test ensures that clicking on a specific link ("O nama," "Uslovi korištenja," "Marketing," "Shops," and various other links) redirects the user to the correct page, validates the URL, and handles any necessary window switching for external links like "Marketing" or "Blog." Additionally, they check if the correct URL is loaded after the navigation and confirm the page contents. This section differs from the top navigation since the website map is different and it leads to different tests.

3.8.1. Footer Basic Test

Test Name: O nama Link Test				
Description: Verification of the bottom navigation bar on the website and if it leads to the correct pages.				
Pre-condition(s):				
Test Steps: 1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "O nama" link. 2. Validate that the current URL is exactly "https://pomoc.olx.ba/hc/bs/articles/211257409-O-nama".	Test Data:	Expected Result: The browser should navigate to the homepage of OLX. The URL should be: "https://pomoc.olx.ba/hc/bs/articles/211257409-O-nama"	Actual Result: The browser navigated to the homepage of OLX. The URL is: "https://pomoc.olx.ba/hc/bs/articles/211257409-O-nama"	Status: PASS
Notes:				

```

27  @Test
28  public void InformacijeKontakt_O_nama() throws InterruptedException {
29      webDriver.get(baseUrl);
30      Thread.sleep( millis: 1000 );
31      WebElement o_namalink = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div[2]/div[1]/ul[1]/li[2]/a" ));
32      ((JavascriptExecutor) webDriver).executeScript( script: "window.open(arguments[0], '_blank');", o_namalink.getAttribute( name: "href" ) );
33      Thread.sleep( millis: 1000 );
34      for (String windowHandle : webDriver.getWindowHandles()) {
35          webDriver.switchTo().window(windowHandle);
36      }
37      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
38      Assertions.assertEquals( expected: "https://pomoc.olx.ba/hc/bs/articles/211257409-O-nama", webDriver.getCurrentUrl());
39      webDriver.close();
40      webDriver.switchTo().window(webDriver.getWindowHandles().iterator().next());
41  }

```

**Test Name:** Uslovi korištenja Link Test

Description: Verification of the bottom navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Uslovi korištenja" link.</p> <p>2. Validate that the current URL is exactly "https://olx.ba/o-olxu/uslovi-koristenja".</p>		The browser should navigate to the category page. URL should be "https://olx.ba/o-olxu/uslovi-koristenja"	The browser navigated to the category page. URL is: "https://olx.ba/o-olxu/uslovi-koristenja"	PASS

Notes:

```

59     @Test
60     public void InformacijeIKontaktUslovi() throws InterruptedException {
61         webDriver.get(baseUrl);
62         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(15));
63         WebElement acceptButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//html/body/div[1]/div/div/div/div[2]/div/button[2]")));
64         acceptButton.click();
65         WebElement usloviLink = wait.until(ExpectedConditions.presenceOfElementLocated(By.xpath("//html/body/div/div/div/div[2]/div[1]/ul[1]/li[3]/a")));
66         ((JavascriptExecutor) webDriver).executeScript("arguments[0].scrollIntoView({block: 'center'});", usloviLink);
67         Thread.sleep( 1000 );
68         usloviLink.click();
69         Assertions.assertEquals( expected: "https://olx.ba/o-olxu/uslovi-koristenja", webDriver.getCurrentUrl());
70     }

```

**Test Name:** Marketing Link Test

Description: Verification of the bottom navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Marketing" link.</p> <p>2. Validate that the current URL is exactly "https://marketing.olx.ba/".</p>		The browser should navigate to the marketing page. The URL should be "https://marketing.olx.ba/"	The browser navigated to the marketing page. The URL is "https://marketing.olx.ba/"	PASS

Notes:

```

43  @Test
44  public void InformacijeKontakt_Marketing() throws InterruptedException {
45      webDriver.get(baseUrl);
46      Thread.sleep( millis: 1000 );
47      WebElement o_namalLink = webDriver.findElement( By.xpath( xpathExpression: "/html/body/div/div/div[2]/div[1]/ul[1]/li[5]/a" ) );
48      ((JavascriptExecutor) webDriver).executeScript( script: "window.open(arguments[0], '_blank');", o_namalLink.getAttribute( name: "href" ) );
49      Thread.sleep( millis: 1000 );
50      for ( String windowHandle : webDriver.getWindowHandles() ) {
51          webDriver.switchTo().window(windowHandle);
52      }
53      WebDriverWait wait = new WebDriverWait( webDriver, Duration.ofSeconds(5));
54      Assertions.assertEquals( expected: "https://marketing.olx.ba/", webDriver.getCurrentUrl());
55      webDriver.close();
56      webDriver.switchTo().window( webDriver.getWindowHandles().iterator().next() );
57  }

```

**Test Name:** Online Sigurnost Link Test

Description: Verification of the bottom navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Online sigurnosti" link.</p> <p>2. Validate that the current URL is exactly "https://olx.ba/o-olxu/online-sigurnost"</p>		<p>The browser should navigate to the shopping page. The URL should be: "https://olx.ba/o-olxu/online-sigurnost"</p>	<p>The browser navigated to the shopping page. The URL is: "https://olx.ba/o-olxu/online-sigurnost"</p>	PASS

Notes:

```

72
73 @Test
74 public void InformatijeKontaktOnline_sigurnost() throws InterruptedException {
75     webDriver.get(baseUrl);
76     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(15));
77     WebElement acceptButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//html/body/div[1]/div/div/div/div[2]/div/button[2]")));
78     acceptButton.click();
79     WebElement online_sigurnostLink = wait.until(ExpectedConditions.presenceOfElementLocated(By.cssSelector(".footer-links > ul:nth-child(1) > li:nth-child(4) > a:nth-child(1)")));
80     ((JavascriptExecutor) webDriver).executeScript("arguments[0].scrollIntoView({block: 'center'});", online_sigurnostLink);
81     Thread.sleep(1000);
82     online_sigurnostLink.click();
83     Assertions.assertEquals(expected: "https://olx.ba/o-olxu/online-sigurnost", webDriver.getCurrentUrl());
}

```

3.8.2. Footer Other Links Test

Test Name: Blog.OLX Link Test				
Description: Verification of the bottom navigation bar on the website and if it leads to the correct pages.				
Pre-condition(s):				
Test Steps: 1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Blog" link. 2. Validate that the current URL is exactly https://blog.olx.ba/	Test Data:	Expected Result: The browser should navigate to the blog page. The URL should be: "https://blog.olx.ba/"	Actual Result: The webpage did not load. In the footer it does not work	Status: FAIL
Notes: Generally, issues were raised navigating to the blog at the top bar, while bottom bar fails the test every time.				

```

87
88 @Test
89 public void Ostali_Linkovi_Blog() throws InterruptedException {
90     webDriver.get(baseUrl);
91     Thread.sleep( millis: 1000 );
92     WebElement blogLink = webDriver.findElement(By.xpath(xpathExpression: "#/html/body/div/div/div/div[2]/div[1]/ul[2]/li[2]/a"));
93     ((JavascriptExecutor) webDriver).executeScript(script: "window.open(arguments[0], '_blank');", blogLink.getAttribute(name: "href"));
94     Thread.sleep( millis: 1000 );
95     for (String windowHandle : webDriver.getWindowHandles()) {
96         webDriver.switchTo().window(windowHandle);
97     }
98     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
99     Assertions.assertEquals(expected: "https://blog.olx.ba/", webDriver.getCurrentUrl());
100    webDriver.close();
101    webDriver.switchTo().window(webDriver.getWindowHandles().iterator().next());
102 }
103 //Blog page is not working properly

```

**Test Name:** Shops Link Test

Description: Verification of the bottom navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Shopovi" link.</p> <p>2. Validate that the current URL is exactly "https://olx.ba/shopovi"</p>		The browser should navigate to the shopping page. The URL should be: "https://olx.ba/shopovi"	The browser navigated to the shopping page. The URL is: "https://olx.ba/shopovi"	PASS

Notes:

```

104
105 @Test
106 public void Ostali_Linkovi_Shop() throws InterruptedException {
107     webDriver.get(baseUrl);
108     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(15));
109     WebElement acceptButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//html/body/div[1]/div/div/div/div[2]/div/button[2]")));
110     acceptButton.click();
111     WebElement shopLink = wait.until(ExpectedConditions.presenceOfElementLocated(By.xpath("//html/body/div/div/div/div/div[2]/div[1]/ul[2]/li[3]/a")));
112     ((JavascriptExecutor) webDriver).executeScript("arguments[0].scrollIntoView({block: 'center'});", shopLink);
113     Thread.sleep(1000);
114     shopLink.click();
115     Assertions.assertEquals(expected: "https://olx.ba/shopovi", webDriver.getCurrentUrl());
}

```

**Test Name:** OLX group Link Test

Description: Verification of the bottom navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Pridruzi se timu" link.</p> <p>2. Validate that the current URL is exactly: "https://www.olxgroup.com/"</p>		The browser should navigate to the shopping page. The URL should be: "https://www.olxgroup.com/"	The browser navigated to the shopping page. The URL is: "https://www.olxgroup.com/"	PASS

Notes:

```

117
118 @Test
119 public void Ostali_Linkovi_OlxTeam() throws InterruptedException {
120     webDriver.get(baseUrl);
121     Thread.sleep( millis: 1000 );
122     WebElement teamLink = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div[1]/ul[2]/li[4]/a" ));
123     ((JavascriptExecutor) webDriver).executeScript( script: "window.open(arguments[0], '_blank')", teamLink.getAttribute( name: "href" ) );
124     Thread.sleep( millis: 1000 );
125     for (String windowHandle : webDriver.getWindowHandles()) {
126         webDriver.switchTo().window(windowHandle);
127     }
128     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
129     Assertions.assertEquals( expected: "https://www.olxgroup.com/", webDriver.getCurrentUrl());
130     webDriver.close();
131     webDriver.switchTo().window(webDriver.getWindowHandles().iterator().next());
    }
```

**Test Name:** OLX brza dostava Link Test

Description: Verification of the bottom navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Sta je OLX dostava?" link.</p> <p>2. Validate that the current URL is exactly: "https://olx.ba/o-olxu/sta-je-olx-brza-dostava"</p>		The browser should navigate to the page. The URL should be: "https://olx.ba/o-olxu/sta-je-olx-brza-dostava"	The browser navigated to the page. The URL is: "https://olx.ba/o-olxu/sta-je-olx-brza-dostava"	PASS

Notes:

```

133
134 @Test
135 public void Ostali_Linkovi_Dostava() throws InterruptedException {
136     webDriver.get(baseUrl);
137     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(15));
138     WebElement acceptButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//html/body/div[1]/div/div/div/div[2]/div/button[2]")));
139     acceptButton.click();
140     WebElement shopLink = wait.until(ExpectedConditions.presenceOfElementLocated(By.xpath("//html/body/div/div/div/div[2]/div[1]/ul[2]/li[5]/a")));
141     ((JavascriptExecutor) webDriver).executeScript("arguments[0].scrollIntoView({block: 'center'});", shopLink);
142     Thread.sleep( millis: 1000);
143     shopLink.click();
144     Assertions.assertEquals( expected: "https://olx.ba/o-olxu/sta-je-olx-brza-dostava", webDriver.getCurrentUrl());
    }

```



3.8.3. Footer Button Test

Test Name: Action button "Podrška Korisnicima" Link Test				
Description: Verification of the bottom navigation bar on the website and if it leads to the correct pages.				
Pre-condition(s):				
Test Steps: 1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the "Podrška Korisnicima" link. 2. Validate that the current URL is exactly: "https://pomoc.olx.ba/hc/bs"	Test Data:	Expected Result: The browser should navigate to the support page. The URL should be: "https://pomoc.olx.ba/hc/bs"	Actual Result: The browser navigated to the support page. The URL is: "https://pomoc.olx.ba/hc/bs"	Status: PASS
Notes:				

```

195
196 @Test
197 public void Podrska() throws InterruptedException {
198     webDriver.get(baseUrl);
199     Thread.sleep( millis: 1000 );
200     WebElement podriska = webDriver.findElement(By.cssSelector(".support"));
201     ((JavascriptExecutor) webDriver).executeScript( script: "window.open(arguments[0], '_blank')", podriska.getAttribute( name: "href" ) );
202     Thread.sleep( millis: 1000 );
203     for (String windowHandle : webDriver.getWindowHandles()) {
204         webDriver.switchTo().window(windowHandle);
205     }
206     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
207     Assertions.assertEquals( expected: "https://pomoc.olx.ba/hc/bs", webDriver.getCurrentUrl() );
208     webDriver.close();
209     webDriver.switchTo().window(webDriver.getWindowHandles().iterator().next());
210 }
```

3.8.4. Vaš OLX Test

Test Name: Vas OLX Kredit Link Test				
Description: Verification of the bottom navigation bar on the website and if it leads to the correct pages.				
Pre-condition(s):				
Test Steps: 1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the “OLX Kredit” link. 2. Validate that the current URL is exactly: "https://olx.ba/o-olxu/olxkredit"	Test Data:	Expected Result: The browser should navigate to the support page. The URL should be: "https://olx.ba/o-olxu/olxkredit"	Actual Result: The browser navigated to the support page. The URL is: "https://olx.ba/o-olxu/olxkredit"	Status: PASS
Notes:				

```

148     @Test
149     public void Vas_OLX_Kredit() throws InterruptedException {
150         webDriver.get(baseUrl);
151         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(15));
152         WebElement acceptButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//html/body/div[1]/div/div/div/div[2]/div/button[2]")));
153         acceptButton.click();
154         WebElement kredit = wait.until(ExpectedConditions.presenceOfElementLocated(By.xpath("//html/body/div/div/div/div/div[2]/div[1]/ul[3]/li[2]/a")));
155         ((JavascriptExecutor) webDriver).executeScript("arguments[0].scrollIntoView({block: 'center'});", kredit);
156         Thread.sleep( 1000 );
157         kredit.click();
158         Assertions.assertEquals(expected: "https://olx.ba/o-olxu/olxkredit", webDriver.getCurrentUrl());
159     }

```

**Test Name:** Vas OLX Link Test

Description: Verification of the bottom navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Launch the browser and navigate to the base URL of OLX.ba and locate/click on the “Sigurnost i zaštita” link.</p> <p>2. Validate that the current URL is exactly: "https://blog.olx.ba/2015/04/zlatna-pravila-za-vasu-sigurnost-na-olx-ba/"</p>		The browser should navigate to the support page. The URL should be: "https://blog.olx.ba/2015/04/zlatna-pravila-za-vasu-sigurnost-na-olx-ba/"	The browser navigated to the support page. The URL is: "https://blog.olx.ba/2015/04/zlatna-pravila-za-vasu-sigurnost-na-olx-ba/"	PASS

Notes:

```

@Test
public void Vas_OLX_Sigurnost() throws InterruptedException {
    webDriver.get(baseUrl);
    Thread.sleep( 1000 );
    WebElement sigurnost = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div[1]/ul[3]/li[3]/a" ));
    ((JavascriptExecutor) webDriver).executeScript( script: "window.open(arguments[0], '_blank')", sigurnost.getAttribute( name: "href" ) );
    Thread.sleep( 1000 );
    for (String windowHandle : webDriver.getWindowHandles()) {
        webDriver.switchTo().window(windowHandle);
    }
    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
    Assertions.assertEquals( expected: "https://blog.olx.ba/2015/04/zlatna-pravila-za-vasu-sigurnost-na-olx-ba/", webDriver.getCurrentUrl() );
    webDriver.close();
    webDriver.switchTo().window(webDriver.getWindowHandles().iterator().next());
}
//Blog page is not working properly so this one doesn't work automatically

```

**Test Name:** Vaš OLX Pravila Link Test

Description: Verification of the bottom navigation bar on the website and if it leads to the correct pages.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Open the base URL of the website.Wait for and click the "Accept" button on the pop-up.Wait for the "Pravila"link to be present.</p> <p>2. Verify that the current URL is "https://olx.ba/o-olxu/uslovi-koristenja"</p>		The browser should navigate to the rules page. The URL should be: " https://olx.ba/o-olxu/uslovi-koristenja ".	The browser navigated to the rules page. The URL is: " https://olx.ba/o-olxu/uslovi-koristenja ".	PASS

Notes:

```

179
180     @Test
181     public void Vas_OLX_Pravila() throws InterruptedException {
182         webDriver.get(baseUrl);
183         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(15));
184         WebElement acceptButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//html/body/div[1]/div/div/div/div[2]/div/button[2]")));
185         acceptButton.click();
186         WebElement pravila = wait.until(ExpectedConditions.presenceOfElementLocated(By.xpath("//html/body/div/div/div[2]/div[1]/ul[3]/li[4]/a")));
187         ((JavascriptExecutor) webDriver).executeScript("arguments[0].scrollIntoView({block: 'center'});", pravila);
188         Thread.sleep( 1000 );
189         pravila.click();
190         Assertions.assertEquals( expected: "https://olx.ba/o-olxu/uslovi-koristenja" , webDriver.getCurrentUrl());
191     }

```



3.9. Notification Test

These tests automate the login process and interaction with notifications on a website. They verify various functionalities such as tagging messages, deleting notifications, and following links for learning more about security. The tests help ensure that the notification system is functioning as expected and that the associated links are properly redirecting users.

Test Name: Notification Button Tag				
Description: Testing the functionality of tagging a notification/message by pressing the tag button				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Wait for the notifications section to be clickable, and then click on the notification button.</p> <p>3. Click on a specific message from the notifications list.</p> <p>4. Click on the tag icon associated with the message.</p> <p>5. Enter the text in the tag input field.</p>	<p>Tag Field: Olx Poruke (can write anything for the tag)</p>	<p>The expected output of this test is that after logging in, the notification is successfully selected, tagged with the text "Poruka od OLX," and the tag is properly entered in the tag input field without any errors.</p>	<p>Tag function is not savable nor clickable. The tag will never appear since the website itself never provided a code for this function.</p>	FAIL
Notes:				

```

28  |
29  @Test
30  public void NotificationbuttonTag() throws InterruptedException {
31      webDriver.get(baseUrl);
32      Thread.sleep( millis: 200 );
33      WebElement loginLink= webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/header/div/div[1]/div[2]/a[1]*));
34      loginLink.click();
35      webDriver.getCurrentUrl();
36      Thread.sleep( millis: 500 );
37      WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/div[2]/div/button[2]*));
38      acceptButton.click();
39      WebElement nameField = webDriver.findElement(By.name(*username*));
40      nameField.click();
41      nameField.sendKeys( ...keysToSend: "Edina_Kurto_14");
42      Thread.sleep( millis: 200 );
43      WebElement passwordField = webDriver.findElement(By.name(*password*));
44      passwordField.click();
45      passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123");
46      Thread.sleep( millis: 200 );
47      webDriver.findElement(By.name("password")).sendKeys(Keys.ENTER);
48      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
49      WebElement notificationButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/header/div/div[1]/div[2]/a[2]*)));
50      notificationButton.click();
51      Thread.sleep( millis: 500 );
52      webDriver.getCurrentUrl();
53      WebElement message = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div/div/div[2]/div/div[1]*)));
54      message.click();
55      Thread.sleep( millis: 500 );
56
57      WebElement tag = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div/div/div[2]/div/div[1]/div[2]/div/button[1]*));
58      tag.click();
59      Thread.sleep( millis: 500 );
60
61      WebElement tagField = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div/div/div[2]/div/div[1]/div[3]/div/div[2]/input*));
62      tagField.click();
63      tagField.sendKeys( ...keysToSend: "Poruka od OLX");
64      Thread.sleep( millis: 200 );
65  }

```

**Test Name:** Notification Delete and Invisible Button

Description: The code tests logging into the application, interacting with a notification, attempting to delete it, and verifying the behavior of an invisible button.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Wait for the notifications section to be clickable, and then click on the notification button.</p> <p>3. Click on a specific message from the notifications list.</p> <p>4. Click on the trash icon to delete the notification. Click on the "No" button to cancel the deletion.</p> <p>5. Click on the invisible button to test its invisibility or hidden status.</p>		The expected result is that the notification is not deleted after clicking "No," and the invisible button can be clicked without causing any visible action.	The actual output was that the notification was not deleted after clicking "No," and the invisible button can be clicked without causing any visible action.	PASS

Notes:

```

66
67 @Test
68 public void NotificationButtonDelete_Invisible() throws InterruptedException {
69     webDriver.get(baseUrl);
70     Thread.sleep( millis: 200 );
71     WebElement loginLink= webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/header/div/div[1]/div[2]/a[1]*));
72     loginLink.click();
73     webDriver.getCurrentUrl();
74     Thread.sleep( millis: 500 );
75     WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/div[2]/div/button[2]*));
76     acceptButton.click();
77     WebElement nameField = webDriver.findElement(By.name("username"));
78     nameField.click();
79     nameField.sendKeys( ...keysToSend: "Edina_Kurto_14");
80     Thread.sleep( millis: 200 );
81     WebElement passwordField = webDriver.findElement(By.name("password"));
82     passwordField.click();
83     passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123");
84     Thread.sleep( millis: 200 );
85     webDriver.findElement(By.name("password")).sendKeys(Keys.ENTER);
86     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
87     WebElement notificationButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/header/div/div[1]/div[2]*)));
88     notificationButton.click();
89     Thread.sleep( millis: 500 );
90     webDriver.getCurrentUrl();
91     WebElement message = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div/div/div[2]/div/div[1]*)));
92     message.click();
93     Thread.sleep( millis: 500 );
94
95     WebElement trash = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div/div/div[2]/div/div[1]/div[2]/div/button[2]*)));
96     trash.click();
97     Thread.sleep( millis: 500 );
98     WebElement no = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div/div/div[2]/div/div[1]/div[2]/button[2]*));
99     no.click();
100    Thread.sleep( millis: 200 );
101
102    WebElement invisible = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div/div/div[2]/div/div[1]/div[2]/div/button[2]/img*));
103    invisible.click();
104    Thread.sleep( millis: 200 );
}

```

**Test Name:** Notification Learn More Button

Description: This test verifies that after logging in, clicking the "Learn More" link in a notification opens the correct security article in a new browser tab.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>Test Steps:</p> <ol style="list-style-type: none"> 1. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear 2. Wait for the notifications section to be clickable, and then click on the notification button. 3. Click the "Learn More" link in the notification message 4. Switch to the new tab and wait for the URL to match the expected URL. 5. Close the new tab and switch back to the original tab. 		<p>The expected result is that the "Learn More" link opens the correct security article in a new tab, and the URL of the new tab matches "https://pomoc.olx.ba/hc/bs/articles/10951631379858-Savjeti-za-online-sigurnost".</p>	<p>The actual result is that the "Learn More" link opens the correct security article in a new tab, and the URL of the new tab matches "https://pomoc.olx.ba/hc/bs/articles/10951631379858-Savjeti-za-online-sigurnost".</p>	PASS

Notes:

```

106
107 @Test
108 public void NotificationLinks_LearnMore() throws InterruptedException {
109     webDriver.get(baseUrl);
110     Thread.sleep( millis: 200 );
111     WebElement loginLink= webDriver.findElement( By.xpath( xpathExpression: "/html/body/div/div/header/div/div[1]/div[2]/a[1]" ) );
112     loginLink.click();
113     webDriver.getCurrentUrl();
114     Thread.sleep( millis: 500 );
115     WebElement acceptButton = webDriver.findElement( By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/button[2]" ) );
116     acceptButton.click();
117     WebElement nameField = webDriver.findElement( By.name("username") );
118     nameField.click();
119     nameField.sendKeys( _keysToSend: "Edina_Kurto_14" );
120     Thread.sleep( millis: 200 );
121     WebElement passwordField = webDriver.findElement( By.name("password") );
122     passwordField.click();
123     passwordField.sendKeys( _keysToSend: "kenai_je_moj_pas_123" );
124     Thread.sleep( millis: 200 );
125     webDriver.findElement( By.name("password") ).sendKeys(Keys.ENTER);
126     WebDriverWait wait = new WebDriverWait( webDriver, Duration.ofSeconds(10) );
127     WebElement notificationButton = wait.until(ExpectedConditions.elementToBeClickable( By.xpath( xpathExpression: "/html/body/div/div/header/div/div[1]/div[2]/a[2]" ) ) );
128     notificationButton.click();
129     Thread.sleep( millis: 500 );
130     webDriver.getCurrentUrl();
131     WebElement learnMore = wait.until(ExpectedConditions.elementToBeClickable( By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div[1]/div/p/a" ) ) );
132     learnMore.click();
133     Thread.sleep( millis: 500 );
134     ((JavascriptExecutor) webDriver).executeScript( script: "window.open(arguments[0], '_blank');", learnMore.getAttribute( name: "href" ) );
135     Thread.sleep( millis: 1000 );
136     for ( String windowHandle : webDriver.getWindowHandles() ) {
137         webDriver.switchTo().window( windowHandle );
138     }
139     WebDriverWait wait1 = new WebDriverWait( webDriver, Duration.ofSeconds(5) );
140     wait1.until(ExpectedConditions.urlToBe( "https://pomoc.olx.ba/hc/ba/articles/10951631379858-Savjeti-za-online-sigurnost" ) );
141     Assertions.assertEquals( expected: "https://pomoc.olx.ba/hc/ba/articles/10951631379858-Savjeti-za-online-sigurnost", webDriver.getCurrentUrl() );
142     webDriver.close();
143     webDriver.switchTo().window( webDriver.getWindowHandles().iterator().next() );
}

```

**Test Name:** Notification Learn More About Security Button

Description: The code tests logging into the application, clicking a security-related notification link, and verifying the correct URL is opened in a new tab.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Wait for the notifications section to be clickable, and then click on the notification button.</p> <p>3. Find the "Learn More About Security" link and click it.</p> <p>4. Wait until the correct URL ("https://olx.ba/o-olxu/online-sigurnost") loads in the new tab.</p> <p>5. Close the new tab and return to the original tab.</p>		The expected result is that the user is successfully logged in, clicks the "Learn More About Security" link, and is redirected to the correct URL (" https://olx.ba/o-olxu/online-sigurnost ") in a new tab.	The actual result is that the user is successfully logged in, clicks the "Learn More About Security" link, and is redirected to the correct URL (" https://olx.ba/o-olxu/online-sigurnost ") in a new tab.	PASS

Notes:

```

145
146     @Test
147     public void NotificationLinks_MoreAboutSecurity() throws InterruptedException {
148         webDriver.get(baseUrl);
149         Thread.sleep( millis: 200 );
150         WebElement loginLink= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div/header/div/div[1]/div[2]/a[1]"));
151         loginLink.click();
152         webDriver.getCurrentUrl();
153         Thread.sleep( millis: 500 );
154         WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div/div/div[2]/div/button[2]"));
155         acceptButton.click();
156         WebElement nameField = webDriver.findElement(By.name("username"));
157         nameField.click();
158         nameField.sendKeys( ...keysToSend: "Edina_Kurto_14" );
159         Thread.sleep( millis: 200 );
160         WebElement passwordField = webDriver.findElement(By.name("password"));
161         passwordField.click();
162         passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123" );
163         Thread.sleep( millis: 200 );
164         webDriver.findElement(By.name("password")).sendKeys(Keys.ENTER);
165         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
166         WebElement notificationButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: "/html/body/div/div/div/header/div/div[1]/div[2]/a[2]")));
167         notificationButton.click();
168         Thread.sleep( millis: 500 );
169         webDriver.getCurrentUrl();
170         WebElement learnMoreSecurity = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div/div/div/div[2]/div/div[2]/div[2]/a")));
171         learnMoreSecurity.click();
172         Thread.sleep( millis: 500 );
173         ((JavascriptExecutor) webDriver).executeScript( script: "window.open(arguments[0], '_blank');", learnMoreSecurity.getAttribute( name: "href" ) );
174         Thread.sleep( millis: 1000 );
175         for (String windowHandle : webDriver.getWindowHandles()) {
176             webDriver.switchTo().window(windowHandle);
177         }
178         WebDriverWait wait1 = new WebDriverWait(webDriver, Duration.ofSeconds(5));
179         wait1.until(ExpectedConditions.urlToBe("https://olx.ba/o-olxo/online-sigurnost"));
180         Assertions.assertEquals( expected: "https://olx.ba/o-olxo/online-sigurnost", webDriver.getCurrentUrl());
181         webDriver.close();
182         webDriver.switchTo().window(webDriver.getWindowHandles().iterator().next());
183     }

```



3.10. Post Listing Test

These test cases simulate the process of posting an advertisement on a website. One test successfully posts an ad by filling out various fields like title, price, and category, and verifies that a success message is displayed. The other test simulates a failed attempt to post an ad due to an invalid title, checking for the appropriate error message indicating the title requirements.

Test Name: Post Listing Test				
Description: The code tests interacting with a listing button, filling out information about the listing and posting the listing.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Locate and click the “Objavi oglas” button</p> <p>3. Locate the popup, select categories and fill out the name and description in the popup and get allocated to a new page.</p> <p>4. Navigate and press the post button.</p> <p>5. Find the popup button</p>		To receive a green pop-up banner that displays on top of the screen saying “Uspješno ste objavili oglas”	Received a green pop-up banner that displays on top of the screen saying “Uspješno ste objavili oglas”	PASS
Notes: We actually posted this and almost sold our dog 😊				

**Test Name:** Post Listing Fail Test

Description: The code tests interaction with a listing button, filling out information about the listing and posting the listing

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>Test Steps:</p> <ol style="list-style-type: none"> Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear Locate and click the "Objavi oglas" button Locate the popup, select categories and fill out the name using only 1 word 		Error message stating "Naslov mora imati barem 2 rijeci i ne smije biti duži od 55 karaktera"	Found error message stating "Naslov mora imati barem 2 rijeci i ne smije biti duži od 55 karaktera"	PASS

Notes:

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    @Test
    public void testObjaviOglasFail() throws InterruptedException {
        webDriver.get(baseUrl);
        Thread.sleep( 200 );
        WebElement oglasButton = webDriver.findElement(By.xpath( "xpathExpression: */html/body/div/div/header/div/div[1]/div[2]/div/button"));
        oglasButton.click();
        Thread.sleep( 500 );
        WebElement acceptButton = webDriver.findElement(By.xpath( "xpathExpression: */html/body/div[1]/div/div/div[2]/div/button[2]"));
        acceptButton.click();

        WebElement nameField = webDriver.findElement(By.name("username"));
        nameField.click();
        nameField.sendKeys( "Edina_Kurto_14" );
        Thread.sleep( 200 );
        WebElement passwordField = webDriver.findElement(By.name("password"));
        passwordField.click();
        passwordField.sendKeys( "kenai_je_moj_pas_123" );
        Thread.sleep( 200 );
        passwordField.sendKeys(Keys.ENTER);
        Thread.sleep( 2000 );
        webDriver.get(baseUrl);
        WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
        WebElement oglasButton2 = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( "xpathExpression: */html/body/div/div/header/div/div[1]/div[2]/div/button")));
        oglasButton2.click();
        Thread.sleep( 500 );

        WebElement popup = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( "xpathExpression: */html/body/div/div/div/div[4]/div/div/div[2]/div/div")));
        popup.click();
        WebElement nestoDrugoButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( "xpathExpression: */html/body/div/div/div/div[4]/div/div/div[2]/div/div/div[2]/div/div")));
        nestoDrugoButton.click();
        Thread.sleep( 200 );

        WebElement inputField = webDriver.findElement(By.xpath( "xpathExpression: */html/body/div/div/div/div[4]/div/div/div[2]/div/div/div[2]/div/div/div[1]/div/input"));
        inputField.click();
        inputField.sendKeys( "Pas" );
        WebElement continueButton = webDriver.findElement(By.xpath( "xpathExpression: */html/body/div/div/div[2]/div/div/div[2]/div/div[2]/button"));
        continueButton.click();

        Thread.sleep( 1000 );
        WebElement categoriesField = webDriver.findElement(By.cssSelector( ".choose-cat > li:nth-child(2) > button:nth-child(1) > div:nth-child(1) > b:nth-child(3)" ));
        categoriesField.click();

        WebElement naslovField = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( "xpathExpression: */html/body/div[1]/div/div/div[1]/div[2]/div[1]/div[1]/div[2]/div[2]")));
        naslovField.click();
        naslovField.sendKeys( "Pas" );

        WebElement priceField = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( "xpathExpression: */html/body/div[1]/div/div/div[1]/div[2]/div[1]/div[1]/div[6]/div[1]")));
        priceField.click();
        priceField.sendKeys( "00.00" );

        WebElement continueToNext = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( "xpathExpression: */html/body/div[1]/div/div/div[2]/div[1]/div[4]/div/div/button[2]")));
        continueToNext.click();

        WebElement naslovErrorMessage = webDriver.findElement(By.xpath( "xpathExpression: //small[contains(text(),'Naslov mora imati barem dvije riječi, ne smije biti duži od 55 karaktera' )"));
        Assertions.assertNotNull(naslovErrorMessage);
        Assertions.assertTrue(naslovErrorMessage.isDisplayed());
    }
}

```

3.11. Cart Test

The code consists of two test methods that simulate logging into a website, interacting with the shopping cart by adding and deleting an item, and verifying that the success messages displayed after each action match the expected ones. The tests ensure that the cart functionality works correctly by checking the appearance of appropriate confirmation messages after adding and removing items.

Test Name: Cart Add Test				
Description: This test simulates navigating to a product then adding it to the cart, and verifying that the correct success message appears confirming the item was successfully added.				
Pre-condition(s):				
Test Steps: 1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear 2. Click the "shop" link to browse products then navigate to the specific product category. 3. Click on a product item to view details. 4. Click the button to add the item to the shopping cart. 5. Verify that the success message displayed matches the expected message.	Test Data:	Expected Result: The expected result is that the selected item is successfully added to the shopping cart, and a success message is displayed, stating: "Uspješno ste dodali artikal LUX Produžni kabl na kolutu, 4 utičnice 50m 301447 u korpu."	Actual Result: The expected result was that the selected item was successfully added to the shopping cart, and a success message was displayed, stating: "Uspješno ste dodali artikal LUX Produžni kabl na kolutu, 4 utičnice 50m 301447 u korpu."	Status: PASS
Notes:				

```

27  @test
28  public void cartAdd() throws InterruptedException {
29      webDriver.get(baseUrl);
30      Thread.sleep( 200 );
31      WebElement oglasButton = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/header/div/div[1]/div[2]/div/button" ));
32      oglasButton.click();
33      Thread.sleep( millis: 500 );
34      WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/div/div[2]/div/button[2]" ));
35      acceptButton.click();
36      WebElement nameField = webDriver.findElement(By.name("username"));
37      nameField.click();
38      nameField.sendKeys( _keysToSend: "Edina_Kurto_14" );
39      Thread.sleep( millis: 200 );
40      WebElement passwordField = webDriver.findElement(By.name("password"));
41      passwordField.click();
42      passwordField.sendKeys( _keysToSend: "kenai_je_moj_pas_123" );
43      Thread.sleep( millis: 200 );
44      passwordField.sendKeys(Keys.ENTER);
45      Thread.sleep( millis: 2000 );
46      webDriver.get(baseUrl);
47      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
48      WebElement shopLink= webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/header/div/div[1]/div[1]/div[3]/ul/li[3]" ));
49      shopLink.click();
50      webDriver.getCurrentUrl();
51      Thread.sleep( millis: 500 );
52      WebElement A1Box= webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div/div[2]/div[1]/div[2]/a" ));
53      A1Box.click();
54      webDriver.getCurrentUrl();
55      Thread.sleep( millis: 500 );
56      WebElement A1BoxItem= webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div[1]/div[2]/div[1]/div[3]/div/div[2]/div/div/div[1]/div[2]/div[1]" ));
57      A1BoxItem.click();
58      webDriver.getCurrentUrl();
59      Thread.sleep( millis: 2000 );
60      WebElement additemCart= webDriver.findElement(By.cssSelector(".user-contact > button:nth-child(4)" ));
61      additemCart.click();
62      webDriver.getCurrentUrl();
63      Thread.sleep( millis: 1000 );
64      WebElement successMessage = wait.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector(".v-toast__text")));
65      String expectedMessage = "Uspjehno ste dodali artikal LUX Produžni kabl na kolatu, 4 utičnice 50m 301447 u korpu";
66      Assertions.assertNotNull(successMessage);
67      Assertions.assertEquals(expectedMessage, successMessage.getText());
68      Assertions.assertTrue(successMessage.isDisplayed());

```

**Test Name:** Cart Delete Test

Description: This test simulates navigating to a product then confirming the item was successfully deleted.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Locate and click the "Cart" button to open the shopping cart preview.</p> <p>3. Click the "Go to Cart" button to navigate to the detailed cart page.</p> <p>4. Locate the "Delete" button for an item in the cart and click it to remove the item.</p> <p>5. Verify that the success message matches the expected text.</p>		<p>The test verifies that an item can be successfully removed from the shopping cart, displaying the confirmation message "Uspješno ste izbrisali oglas iz korpe".</p>	<p>The test verifies that an item can be successfully removed from the shopping cart, displaying the confirmation message "Uspješno ste izbrisali oglas iz korpe".</p> <p>Besides this pup there are a few more requiring email address but we didn't go into too much detail since its a test run.</p>	FAIL

Notes:

```

    @Test
    public void cartDelete() throws InterruptedException {
        webDriver.get(baseUrl);
        Thread.sleep( millis: 200 );
        WebElement oglasButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/header/div/div[1]/div[2]/div/button" ));
        oglasButton.click();
        Thread.sleep( millis: 500 );
        WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div/div[2]/div/button[2]" ));
        acceptButton.click();
        WebElement nameField = webDriver.findElement(By.name("username"));
        nameField.click();
        nameField.sendKeys( ...keysToSend: "Edina_Kurto_14" );
        Thread.sleep( millis: 200 );
        WebElement passwordField = webDriver.findElement(By.name("password"));
        passwordField.click();
        passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123" );
        Thread.sleep( millis: 200 );
        passwordField.sendKeys(Keys.ENTER);
        Thread.sleep( millis: 2000 );
        webDriver.get(baseUrl);
        WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
        WebElement cart= webDriver.findElement(By.cssSelector("button.mr-md:nth-child(1)"));
        cart.click();
        webDriver.getCurrentUrl();
        Thread.sleep( millis: 500 );
        WebElement goCart= webDriver.findElement(By.cssSelector("button.w-full"));
        goCart.click();
        webDriver.getCurrentUrl();
        Thread.sleep( millis: 500 );
        WebElement delete= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div[1]/div/div[2]/ul/li/ul/li/div/div[2]/button" ));
        delete.click();
        webDriver.getCurrentUrl();
        Thread.sleep( millis: 2000 );
        WebElement successMessage = wait.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector(".v-toast__text")));
        String expectedMessage = "Uspješno ste izbrisali oglas iz korpe";
        Assertions.assertNotNull(successMessage);
        Assertions.assertTrue(successMessage.isDisplayed());
        Assertions.assertEquals(expectedMessage, successMessage.getText());
    }
}

```



3.12. Shop Test

This code contains two test cases that test the functionality of an online shop: the first navigates through sections of an automobile shop, verifying the display of a message for missing working hours; the second tests login, navigation to a mobile shop, and adding the shop to favorites, ensuring the success message is displayed.

Test Name: Automobili Item Details Test				
Description: This test case verifies navigation through different sections of an automobile shop, ensuring the proper display of content, including a message confirming the shop has not entered its working hours.				
Pre-condition(s):				
Test Steps: <ol style="list-style-type: none">1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear.2. Click on the "Automobili" filter to narrow down the shop items to automobile related ones. Choose the first item from the filtered results and click on it.3. Select the "Aktivni oglasi" section and ensure it loads. Click on "Završeni oglasi" and verify it loads. Navigate to the "Dojmovi" section and ensure it displays correctly. Access the "O nama" page.4. Navigate to the "Radno Vrijeme" section. Confirm the message "Shop nije unio radno vrijeme" is displayed.	Test Data:	Expected Result: The test checks if the message "Shop nije unio radno vrijeme" appears when the Working Hours page is accessed, confirming that no working hours are set.	Actual Result: The test checks if the message "Shop nije unio radno vrijeme" appears when the Working Hours page is accessed, confirming that no working hours are set.	Status: PASS
Notes:				

```

26  |
27  @Test
28  public void AutomobilShopTest() throws InterruptedException {
29      WebDriver.get(baseUrl);
30      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
31      WebElement shopLink= webDriver.findElement(By.cssSelector("li.mr-md:nth-child(3) > a:nth-child(1)"));
32      shopLink.click();
33      webDriver.getCurrentUrl();
34      Thread.sleep( millis: 500 );
35      WebElement acceptButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: "/html/body/div[1]/div/div/div[2]/div/button[2]")));
36      acceptButton.click();
37      WebElement automobilFilter= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div/li[1]"));
38      automobilFilter.click();
39      webDriver.getCurrentUrl();
40      Thread.sleep( millis: 500 );
41      WebElement ShopItem= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div/div[2]/div[2]/div[1]/a"));
42      ShopItem.click();
43      webDriver.getCurrentUrl();
44      Thread.sleep( millis: 2000 );
45      WebElement aktivniOglas= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div[2]/div[1]/div/div[3]/div/div[1]/ul/li[1]"));
46      aktivniOglas.click();
47      webDriver.getCurrentUrl();
48      Thread.sleep( millis: 2000 );
49      WebElement zavrseniOglas= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div[1]/div[2]/div[1]/div/div[3]/div/div[1]/ul/li[2]/a"));
50      zavrseniOglas.click();
51      webDriver.getCurrentUrl();
52      Thread.sleep( millis: 2000 );
53      WebElement dojmovi= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div[2]/div[1]/div/div[3]/div/div[1]/ul/li[3]/a"));
54      dojmovi.click();
55      webDriver.getCurrentUrl();
56      Thread.sleep( millis: 2000 );
57      WebElement o_nama= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div[1]/div[2]/div[1]/div/div[3]/div/div[1]/ul/li[4]/a"));
58      o_nama.click();
59      webDriver.getCurrentUrl();
60      Thread.sleep( millis: 2000 );
61      WebElement radnoVrijeme= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div[1]/div[2]/div[1]/div/div[3]/div/div[1]/ul/li[5]/a"));
62      radnoVrijeme.click();
63      webDriver.getCurrentUrl();
64      Thread.sleep( millis: 2000 );
65      WebElement message = webDriver.findElement(By.xpath( xpathExpression: "//h1[contains(text(),'Shop nije unio radno vrijeme')]"));
66      Assertions.assertNotNull(message);
67      Assertions.assertTrue(message.isDisplayed());

```

**Test Name:** Shop Favorite Test

Description: The test verifies that a user can successfully apply a filter, select an item, mark it as a favorite, and receive a success message confirming the action.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Go to the "Shop" section of the website. Apply the "Mobiteli" filter .</p> <p>3. Select a shop item from the filtered list.</p> <p>4. Click the "favorite" button to save the item.</p> <p>5. Verify the success message indicating the item has been saved as a favorite</p>		The item is successfully saved as a favorite, and a success message ("Uspješno ste spasili korisnika") is displayed.	The item was successfully saved as a favorite, and a success message ("Uspješno ste spasili korisnika") was displayed.	PASS

Notes:

```

70  public void MobilniShopTest() throws InterruptedException {
71      webDriver.get(baseUrl);
72      Thread.sleep( millis: 200 );
73      WebElement oglasButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/header/div/div[1]/div[2]/div/button" ));
74      oglasButton.click();
75      Thread.sleep( millis: 500 );
76      WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div/div/div[2]/div/button[2]" ));
77      acceptButton.click();
78      WebElement nameField = webDriver.findElement(By.name("username"));
79      nameField.click();
80      nameField.sendKeys( ...keysToSend: "Edina_Kurto_14" );
81      Thread.sleep( millis: 200 );
82      WebElement passwordField = webDriver.findElement(By.name("password"));
83      passwordField.click();
84      passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123" );
85      Thread.sleep( millis: 200 );
86      passwordField.sendKeys(Keys.ENTER);
87      Thread.sleep( millis: 2000 );
88      webDriver.get(baseUrl);
89      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
90      WebElement shopLink= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/header/div/div[1]/div[1]/div[3]/ul/li[3]" ));
91      shopLink.click();
92      webDriver.getCurrentUrl();
93      Thread.sleep( millis: 500 );
94      WebElement mobilniFilter= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div[1]/ul/li[3]" ));
95      mobilniFilter.click();
96      webDriver.getCurrentUrl();
97      Thread.sleep( millis: 500 );
98      WebElement ShopItem= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div/div[2]/div[2]/div[1]/a" ));
99      ShopItem.click();
100     webDriver.getCurrentUrl();
101     Thread.sleep( millis: 2000 );
102     WebElement aktivniOglas= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div[1]/div[2]/div[1]/div/div[3]/div/div/div[1]/ul/li[1]/a" ));
103     aktivniOglas.click();
104     WebElement favorite= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div[1]/div[2]/div[1]/div/div[2]/div[1]/div/div[2]/button[2]" ));
105     favorite.click();
106     webDriver.getCurrentUrl();
107     WebElement successMessage = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( xpathExpression: "/html/body/div[2]/div/p" )));
108     String expectedMessage = "Uspješno ste spasili korisnika";
109     Assertions.assertNotNull(successMessage);

```



3.13. Setting Test

The first test verifies navigation through different settings options in a user profile, ensuring the user can reach the "address" settings page. The second test checks the process of updating profile information, including name, last name, and birthdate, and confirms the successful update with a success message.

Test Name: Setting Navigation Test				
Description: This test verifies the navigation through various settings options in a user profile, ensuring the user can have successful access to the "address" settings page.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Click the settings button to access user settings.</p> <p>3. Navigate through various settings options (Delivery, Information, OLX Pro, Verification, Notifications, Privacy, Profile Picture, Cards, Passwords, and Address).</p> <p>4. Verify that each settings page loads correctly.</p> <p>5. Ensure that the final URL is the address settings page.</p>		<p>The user successfully navigates through all the settings pages, with each page loading correctly, and the final URL matches the address settings page URL: https://olx.ba/mojolx/postavke/adresa.</p>	<p>The user successfully navigated through all the settings pages, and the final URL matched the address settings page URL: https://olx.ba/mojolx/postavke/adresa.</p>	PASS
Notes:				

```

26
27     @Test
28     public void SettingNavigation() throws InterruptedException {
29         webDriver.get(baseUrl);
30         Thread.sleep( millis: 200 );
31         WebElement loginLink= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div/header/div/div[1]/div[2]/a[1]"));
32         loginLink.click();
33         Thread.sleep( millis: 500 );
34         WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div/div/div[2]/div/button[2]"));
35         acceptButton.click();
36         WebElement nameField = webDriver.findElement(By.name("username"));
37         nameField.click();
38         nameField.sendKeys( ...keysToSend: "Edina_Kurto_14");
39         Thread.sleep( millis: 200 );
40         WebElement passwordField = webDriver.findElement(By.name("password"));
41         passwordField.click();
42         passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123");
43         Thread.sleep( millis: 200 );
44         passwordField.sendKeys(Keys.ENTER);
45         Thread.sleep( millis: 2000 );
46         webDriver.get(baseUrl);
47         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
48
49         WebElement profileButton = wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector(".items-start")));
50         profileButton.click();
51         webDriver.getCurrentUrl();
52         Thread.sleep( millis: 500 );
53         WebElement settingButton= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[1]/div[2]/div/div[1]/div[2]/button[1]"));
54         settingButton.click();
55         webDriver.getCurrentUrl();
56         Thread.sleep( millis: 500 );
57         WebElement olxDostave = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div[2]/a"));
58         olxDostave.click();
59         webDriver.getCurrentUrl();
60         Thread.sleep( millis: 500 );
61         WebElement informacije = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div[3]/a"));
62         informacije.click();
63         webDriver.getCurrentUrl();
64         Thread.sleep( millis: 500 );
65
66         webDriver.getCurrentUrl();
67         Thread.sleep( millis: 500 );
68         WebElement olxPro = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div[2]/div/div[1]/div[4]/a"));
69         olxPro.click();
70         webDriver.getCurrentUrl();
71         Thread.sleep( millis: 500 );
72         WebElement verifikacie = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div[5]/a"));
73         verifikacie.click();
74         webDriver.getCurrentUrl();
75         Thread.sleep( millis: 500 );
76         WebElement notifikacie = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div[6]/a"));
77         notifikacie.click();
78         webDriver.getCurrentUrl();
79         Thread.sleep( millis: 500 );
80         WebElement privatnost = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div[7]/a"));
81         privatnost.click();
82         webDriver.getCurrentUrl();
83         Thread.sleep( millis: 500 );
84         WebElement profilnaSlika = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div[8]/a"));
85         profilnaSlika.click();
86         webDriver.getCurrentUrl();
87         Thread.sleep( millis: 500 );
88         WebElement kartice = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div[9]/a"));
89         kartice.click();
90         webDriver.getCurrentUrl();
91         Thread.sleep( millis: 500 );
92         WebElement sifre = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div[10]/a"));
93         sifre.click();
94         webDriver.getCurrentUrl();
95         Thread.sleep( millis: 500 );
96         WebElement adresa = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/div[2]/div/div[1]/div[11]/a"));
97         adresa.click();
98         webDriver.getCurrentUrl();
99         Thread.sleep( millis: 500 );
100        WebDriverWait wait1 = new WebDriverWait(webDriver, Duration.ofSeconds(5));
101        wait1.until(ExpectedConditions.urlToBe("https://olx.ba/mojolx/postavke/adresa"));
102        Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/mojolx/postavke/adresa"));
103    }

```

**Test Name:** Setting Information Update Test

Description: This test verifies the user can successfully log in, navigate to the profile settings, and update personal information, including name and birthdate, with the expected success message confirming the changes.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Navigate to the profile page. Click the settings button.</p> <p>3. Click "Information" to edit profile details.</p> <p>4. Update first and last names and select birthdate.</p> <p>5. Verify success message ("Uspješno ste izmijenili profil.") is displayed.</p>		A success message ("Uspješno ste izmijenili profil.") should appear confirming the profile update.	A success message ("Uspješno ste izmijenili profil.") appeared confirming the profile update.	PASS

Notes:

```

101
102     @Test
103     public void SettingInformationChange() throws InterruptedException {
104         webDriver.get(baseUrl);
105         Thread.sleep( 200 );
106         WebElement loginLink= webDriver.findElement(By.xpath( "html/body/div[1]/div/div/header/div/div[1]/div[2]/a[1]" ));
107         loginLink.click();
108         Thread.sleep( 500 );
109         WebElement acceptButton = webDriver.findElement(By.xpath( "html/body/div[1]/div/div/div/div[2]/div/button[2]" ));
110         acceptButton.click();
111         WebElement nameField = webDriver.findElement(By.name("username"));
112         nameField.click();
113         nameField.sendKeys( ...keysToSend: "Edina_Kurto_14" );
114         Thread.sleep( 200 );
115         WebElement passwordField = webDriver.findElement(By.name("password"));
116         passwordField.click();
117         passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123" );
118         Thread.sleep( 200 );
119         passwordField.sendKeys(Keys.ENTER);
120         Thread.sleep( 2000 );
121         webDriver.get(baseUrl);
122         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
123
124         WebElement profileButton = wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector(".items-start")));
125         profileButton.click();
126         webDriver.getCurrentUrl();
127         Thread.sleep( 500 );
128         WebElement settingButton= webDriver.findElement(By.xpath( "html/body/div[1]/div/div/div[1]/div[2]/div[1]/div[2]/button[1]" ));
129         settingButton.click();
130         webDriver.getCurrentUrl();
131         Thread.sleep( 500 );
132         WebElement informacieje = webDriver.findElement(By.xpath( "html/body/div/div/div/div[2]/div/div[1]/div[3]/a" ));
133         informacieje.click();
134         webDriver.getCurrentUrl();
135         Thread.sleep( 500 );
136         WebElement nameChangeField = webDriver.findElement(By.xpath( "html/body/div/div/div/div[2]/div/div[2]/div[1]/div/div/form/div[1]/input" ));
137         nameChangeField.click();
138         nameChangeField.sendKeys( ...keysToSend: "Edina" );
139         Thread.sleep( 200 );
140
141         Thread.sleep( 200 );
142         WebElement lastNameChangeField = webDriver.findElement(By.xpath( "html/body/div/div/div/div[2]/div/div[2]/div[1]/div/div/form/div[2]/input" ));
143         lastNameChangeField.click();
144         lastNameChangeField.sendKeys( ...keysToSend: "Kurto" );
145         Thread.sleep( 200 );
146
147         WebDriverWait wait1 = new WebDriverWait(webDriver, Duration.ofSeconds(10));
148         WebElement dateField = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( "html/body/div/div/div/div[2]/div/div[2]/div[1]/div/div/div[1]/div/div/div[1]" )));
149         ((JavascriptExecutor) webDriver).executeScript( script: "arguments[0].scrollIntoView(true);", dateField );
150         dateField.click();
151         Select date = new Select(dateField);
152         date.selectByVisibleText("14");
153         WebElement monthField = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( "html/body/div/div/div/div[2]/div/div[2]/div[1]/div/div/div[1]" )));
154         ((JavascriptExecutor) webDriver).executeScript( script: "arguments[0].scrollIntoView(true);", monthField );
155         monthField.click();
156         Select month = new Select(monthField);
157         month.selectByVisibleText("08");
158         WebElement yearField = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( "html/body/div/div/div/div[2]/div/div[2]/div[1]/div/div/div[1]" )));
159         ((JavascriptExecutor) webDriver).executeScript( script: "arguments[0].scrollIntoView(true);", yearField );
160         yearField.click();
161         Select year = new Select(yearField);
162         year.selectByVisibleText("2002");
163
164         WebElement confirm = webDriver.findElement(By.xpath( "html/body/div/div/div/div[2]/div/div[2]/div[1]/div/div/form/div[10]/button" ));
165         confirm.click();
166         webDriver.getCurrentUrl();
167         Thread.sleep( 500 );
168         WebElement successMessage = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( "html/body/div[2]/div/p" )));
169         String expectedMessage = "Upis ješte ste nžmenili profil.";
170         Assertions.assertNotNull(successMessage);
171         Assertions.assertNotEqual(null,successMessage);
172         Assertions.assertTrue(successMessage.isDisplayed());
173         Assertions.assertEquals(expectedMessage, successMessage.getText());
174     }

```



3.14. My OLX Test

The code consists of three tests that simulate logging into the website, interacting with the hamburger menu. On the hamburger menu there are different sections leading to different pages. The tests ensure that the MyOLX dynamic menu functionality works correctly by checking the navigation links of the website. This also includes logging out of the website.

Test Name: MyOLX My Listings navigation test				
Description: This test simulates logging in, navigating the hamburger menu, and verifying that the correct navigation screen happens when different options are selected .				
Pre-condition(s):				
Test Steps: <ol style="list-style-type: none">1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear2. Click the "MyOLX" button to open a hamburger menu..3. Locate and click on "Aktivni oglasi", then "Zavrseni oglasi", then "neaktivni", then "narudzbe"	Test Data:	Expected Result: The expected result is that the final link of the webpage is "https://olx.ba/narudzbe/aktivne"	Actual Result: The actual result was that the final link of the webpage was "https://olx.ba/narudzbe/aktivne"	Status: PASS
Notes:				

```

27  @Test
28  public void testMoji_Oglasni() throws InterruptedException {
29      webDriver.get(baseUrl);
30      Thread.sleep( millis: 200 );
31      WebElement oglasButton = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/header/div/div[1]/div[2]/div/button*));
32      oglasButton.click();
33      Thread.sleep( millis: 500 );
34      WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/div[2]/div/button[2]*));
35      acceptButton.click();
36      WebElement nameField = webDriver.findElement(By.name("username"));
37      nameField.click();
38      nameField.sendKeys( _keysToSend: "Edina_Kurto_14");
39      Thread.sleep( millis: 200 );
40      WebElement passwordField = webDriver.findElement(By.name("password"));
41      passwordField.click();
42      passwordField.sendKeys( _keysToSend: "kenai_je_moj_pas_123");
43      Thread.sleep( millis: 200 );
44      passwordField.sendKeys(Keys.ENTER);
45      Thread.sleep( millis: 2000 );
46      webDriver.get(baseUrl);
47      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
48
49      WebElement rightMeni = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( xpathExpression: */html/body/div/div/header/div/div[1]/div[2]/img[2]*)));
50      rightMeni.click();
51      Thread.sleep( millis: 500 );
52      WebElement aktivniOglasni = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/header/div/div[1]/div[3]/div[2]/div[2]/a[3]/span*));
53      aktivniOglasni.click();
54      System.out.println("Current URL: " + webDriver.getCurrentUrl());
55      wait.until(ExpectedConditions.urlToBe("https://olx.ba/mojolx/aktivni"));
56      Thread.sleep( millis: 2000 );
57
58      WebElement rightMeni1 = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( xpathExpression: */html/body/div/div/header/div/div[1]/div[2]/img[2]*)));
59      rightMeni1.click();
60      Thread.sleep( millis: 500 );
61      WebElement zavrseniOglasni = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/header/div/div[1]/div[3]/div[2]/div[2]/a[4]/span*));
62      zavrseniOglasni.click();
63      System.out.println("Current URL: " + webDriver.getCurrentUrl());
64
65      System.out.println("Current URL: " + webDriver.getCurrentUrl());
66      wait.until(ExpectedConditions.urlToBe("https://olx.ba/mojolx/aktivni/zavrseni"));
67      Thread.sleep( millis: 2000 );
68
69      WebElement rightMeni2 = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( xpathExpression: */html/body/div/div/header/div/div[1]/div[2]/img[2]*)));
70      rightMeni2.click();
71      Thread.sleep( millis: 500 );
72      WebElement neaktivniOglasni = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/header/div/div[1]/div[3]/div[2]/div[2]/a[5]/span*));
73      neaktivniOglasni.click();
74      System.out.println("Current URL: " + webDriver.getCurrentUrl());
75      wait.until(ExpectedConditions.urlToBe("https://olx.ba/mojolx/aktivni/neaktivni"));
76      Thread.sleep( millis: 2000 );
77
78      WebElement rightMeni3 = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( xpathExpression: */html/body/div/div/header/div/div[1]/div[2]/img[2]*)));
79      rightMeni3.click();
80      Thread.sleep( millis: 500 );
81      WebElement narudzbe = webDriver.findElement(By.xpath( xpathExpression: */html/body/div/div/header/div/div[1]/div[3]/div[2]/div[2]/a[11]/span*));
82      narudzbe.click();
83      System.out.println("Current URL: " + webDriver.getCurrentUrl());
84      wait.until(ExpectedConditions.urlToBe("https://olx.ba/narudzbe/aktivne"));
85  }

```

**Test Name:** MyOLX Saved listings navigation test

Description: This test simulates logging in, navigating the hamburger menu, and verifying that the correct navigation screen happens when different options are selected .

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Click the "MyOLX" button to open a hamburger menu..</p> <p>3. Locate and click on "Spaseni oglasi", then "Spaseni korisnici", then "Spasene pretrage"</p>		The expected result is that the final link of the webpage is "https://olx.ba/mojolx/spaseno/pretrage"	The actual result is that the final link of the webpage is "https://olx.ba/mojolx/spaseno/pretrage"	PASS

Notes:

```

85
86     @Test
87     public void testSpaseno() throws InterruptedException {
88         webDriver.get(baseUrl);
89         Thread.sleep(200);
90         WebElement oglasButton = webDriver.findElement(By.xpath("//html/body/div/div/header/div/div[1]/div[2]/div/button"));
91         oglasButton.click();
92         Thread.sleep(500);
93         WebElement acceptButton = webDriver.findElement(By.xpath("//html/body/div[1]/div/div/div[2]/div/button[2]"));
94         acceptButton.click();
95         WebElement nameField = webDriver.findElement(By.name("username"));
96         nameField.click();
97         nameField.sendKeys(KeysToSend: "Edina_Kurto_14");
98         Thread.sleep(200);
99         WebElement passwordField = webDriver.findElement(By.name("password"));
100        passwordField.click();
101        passwordField.sendKeys(KeysToSend: "kenal_je_moj_pas_123");
102        Thread.sleep(200);
103        passwordField.sendKeys(Keys.ENTER);
104        Thread.sleep(2000);
105        webDriver.get(baseUrl);
106        WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
107        WebElement rightMeni = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div/div/header/div/div[1]/div[2]/img[2]")));
108        rightMeni.click();
109        Thread.sleep(500);
110        WebElement spasenioGlasni = wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector("a.left:nth-child(15) > span:nth-child(2)")));
111        spasenioGlasni.click();
112        System.out.println("Current URL: " + webDriver.getCurrentUrl());
113        wait.until(ExpectedConditions.urlToBe("https://olx.ba/mojolx/spaseno/oglasni"));
114        Thread.sleep(2000);
115        WebElement rightMeni1 = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div/div/div/div[1]/div[1]/div[2]/img[2]")));
116        rightMeni1.click();
117        Thread.sleep(500);
118        WebElement spasenikorisnici = wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector("a.left:nth-child(16) > span:nth-child(2)")));
119        spasenikorisnici.click();
120        System.out.println("Current URL: " + webDriver.getCurrentUrl());
121        wait.until(ExpectedConditions.urlToBe("https://olx.ba/mojolx/spaseno/korisnici"));
122        Thread.sleep(2000);
123        WebElement rightMeni2 = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//html/body/div/div/div/div[1]/div[1]/div[2]/img[2]")));
124        rightMeni2.click();
125        Thread.sleep(500);
126        WebElement spasenePretrage = wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector("a.left:nth-child(17) > span:nth-child(2)")));
127        spasenePretrage.click();
128        System.out.println("Current URL: " + webDriver.getCurrentUrl());
129        wait.until(ExpectedConditions.urlToBe("https://olx.ba/mojolx/spaseno/pretrage"));
130    }
}

```

Test Name: Logout Test

Description: The code tests logging into the application, accessing the hamburger menu, locating and pressing the logout button, to test out the log out feature

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Click the "MyOLX" button to open a hamburger menu..</p> <p>3. Locate the “Odjavi se” button.</p>		The expected result is that the final link of the webpage is “https://olx.ba”	The actual result is that the final link of the webpage is “https://olx.ba”	PASS

Notes:

```

131  @Test
132  public void testOdjava() throws InterruptedException {
133      webDriver.get(baseUrl);
134      Thread.sleep( millis: 200 );
135      WebElement oglasButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div/div/div/header/div/div[1]/div[2]/div/button"));
136      oglasButton.click();
137      Thread.sleep( millis: 500 );
138      WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div/div[2]/div/button[2]"));
139      acceptButton.click();
140      WebElement nameField = webDriver.findElement(By.name("username"));
141      nameField.click();
142      nameField.sendKeys( ...keysToSend: "Edina_Kurto_14" );
143      Thread.sleep( millis: 200 );
144      WebElement passwordField = webDriver.findElement(By.name("password"));
145      passwordField.click();
146      passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123" );
147      Thread.sleep( millis: 200 );
148      passwordField.sendKeys(Keys.ENTER);
149      Thread.sleep( millis: 2000 );
150      webDriver.get(baseUrl);
151      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
152      WebElement rightMeni = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( xpathExpression: "/html/body/div/div/div/header/div/div[1]/div[2]/div[2]/img[2]")));
153      rightMeni.click();
154      Thread.sleep( millis: 500 );
155      WebElement odjava = wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector("a.left:nth-child(25)")));
156      odjava.click();
157      System.out.println("Current URL: " + webDriver.getCurrentUrl());
158      wait.until(ExpectedConditions.urlToBe("https://olx.ba/"));
159  }

```



3.15. Profile Test

The code consists of several test methods that interact with a user profile on the website. Each test involves logging in, navigating to various sections of the profile, and verifying the URLs and text content. The tests also include actions like hiding/unhiding ads, checking statistical data, and ensuring the user interface responds as expected, with URL assertions and content validation.

Test Name: Profile Link Test				
Description: This code automates the login process, navigates through a user's profile, and verifies the display of empty sections for active ads, completed ads, and feedback on a website.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Wait for the profile button to be clickable, then click on it to navigate to the profile.</p> <p>3. Click on the "Aktivni" button to view active items on the profile page..</p> <p>4. Click the "Završeni" button to view completed items, and verify that the page displays the expected message ("Nemate završenih oglasa").</p> <p>5. Click the "Dojmovi" button to view feedback, and verify that the page displays the expected message ("Nemate ostavljenih dojmova").</p>		<p>The expected result is that the user successfully logs in, navigates to their profile page, and verifies that the "Aktivni," "Završeni," and "Dojmovi" sections display the correct URLs and messages indicating no active items, completed items, or feedback.</p>		PASS
Notes:				

```

28  @Test
29  public void ProfileLinks() throws InterruptedException {
30      webDriver.get(baseUrl);
31      Thread.sleep( millis: 200 );
32      WebElement loginLink= webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/header/div/div[1]/div[2]/a[1]*));
33      loginLink.click();
34      webDriver.getCurrentUrl();
35      Thread.sleep( millis: 500 );
36      WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/div/div[2]/button[2]*));
37      acceptButton.click();
38      WebElement nameField = webDriver.findElement(By.name("username"));
39      nameField.click();
40      nameField.sendKeys( ...keysToSend: "Edina_Kurto_14" );
41      Thread.sleep( millis: 200 );
42      WebElement passwordField = webDriver.findElement(By.name("password"));
43      passwordField.click();
44      passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123" );
45      Thread.sleep( millis: 200 );
46      webDriver.findElement(By.name("password")).sendKeys(Keys.ENTER);
47
48      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
49      WebElement profileButton = wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector(".items-start")));
50      profileButton.click();
51      webDriver.getCurrentUrl();
52      Thread.sleep( millis: 500 );
53      WebElement aktivniButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div[2]/div/div[3]/div/div[1]/div/ul/li[1]/a*)));
54      aktivniButton.click();
55      webDriver.getCurrentUrl();
56      Thread.sleep( millis: 500 );
57
58      System.out.println("Current URL: " + webDriver.getCurrentUrl());
59      WebDriverWait wait1 = new WebDriverWait(webDriver, Duration.ofSeconds(5));
60      wait1.until(ExpectedConditions.urlToBe("https://olx.ba/profil/Edina_Kurto_14/aktivni"));
61      WebElement zavrseniButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div[2]/div/div[3]/div/div[1]/div/ul/li[2]/a*)));
62      zavrseniButton.click();
63      webDriver.getCurrentUrl();
64      Thread.sleep( millis: 500 );
65
66      wait.until(ExpectedConditions.urlContains( fraction: "https://olx.ba/profil/Edina_Kurto_14/zavrseni"));
67      WebElement failfinishedText = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( xpathExpression: */h1[contains(text(),'Nemate završenih oglasa')]*)));
68      assertEquals( expected: "Nemate završenih oglasa", failfinishedText.getText());
69      WebElement dojamButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div[2]/div/div[3]/div/div[1]/div/ul/li[3]/a*)));
70      dojamButton.click();
71      webDriver.getCurrentUrl();
72      Thread.sleep( millis: 500 );
73
74      wait.until(ExpectedConditions.urlContains( fraction: "https://olx.ba/profil/Edina_Kurto_14/dojmovi"));
75      WebElement faildojmoviText = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath( xpathExpression: */h1[contains(text(),'Nemate ostavljenih dojmova')]*)));
76      assertEquals( expected: "Nemate ostavljenih dojmova", faildojmoviText.getText());
77  }

```

**Test Name:** Profile Oglasni Statistic Test

Description: This code navigates to the profile and product pages, and verifies that the user can access the product statistics page correctly.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Wait for the profile page to load, then click on the profile button.</p> <p>3. Click the "Oglas" button to view a specific product.</p> <p>4. Click the "Statistika" button to view product statistics.</p> <p>5. Verify that the current URL matches the expected URL for the product statistics page.</p>		<p>The expected result is that after logging in, navigating to the product page, and clicking the "Statistika" button, the user should be redirected to the correct product statistics page with the URL "https://olx.ba/artikal/al/65855527#".</p>	<p>The expected result is that after logging in, navigating to the product page, and clicking the "Statistika" button, the user should be redirected to the correct product statistics page with the URL "https://olx.ba/artikal/al/65855527#".</p>	PASS

Notes:

```

79
80 @Test
81 public void ProfileuglasStatistika() throws InterruptedException {
82     webDriver.get(baseUrl);
83     Thread.sleep( millis: 200 );
84     WebElement loginLink= webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div/header/div/div[1]/div[2]/a[1]" ));
85     loginLink.click();
86     webDriver.getCurrentUrl();
87     Thread.sleep( millis: 500 );
88     WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: "/html/body/div[1]/div/div/div/div[2]/button[2]" ));
89     acceptButton.click();
90     WebElement nameField = webDriver.findElement(By.name("username"));
91     nameField.click();
92     nameField.sendKeys( ...keysToSend: "Edina_Kurto_14" );
93     Thread.sleep( millis: 200 );
94     WebElement passwordField = webDriver.findElement(By.name("password"));
95     passwordField.click();
96     passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123" );
97     Thread.sleep( millis: 200 );
98     webDriver.findElement(By.name("password")).sendKeys(Keys.ENTER);

99     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
100    WebElement profileButton = wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector(".items-start")));
101    profileButton.click();
102    webDriver.getCurrentUrl();
103    Thread.sleep( millis: 500 );
104
105    WebElement OgglasButton1 = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: "/html/body/div/div/div/div/div[1]/div[2]/div[3]/div/div[2]/div/div/div[1]/div[2]/a[1]" )));
106    OgglasButton1.click();
107    webDriver.getCurrentUrl();
108    Thread.sleep( millis: 500 );
109    WebElement statistikaButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: "/html/body/div/div/div/div/div[1]/div/div/div/div[2]/div/div[2]/a[1]" )));
110    statistikaButton.click();

111
112    System.out.println("Current URL: " + webDriver.getCurrentUrl());
113    WebDriverWait wait3 = new WebDriverWait(webDriver, Duration.ofSeconds(5));
114    wait3.until(ExpectedConditions.urlToBe("https://olx.ba/antikal/65855527#"));
115    Assertions.assertThat( webDriver.getCurrentUrl().equals("https://olx.ba/antikal/65855527#") );
116 }

```

**Test Name:** Profile Oglasni Sakrij Test

Description: This test logs into the profile, navigates to an ad, and toggles the visibility of the ad by hiding and unhiding it.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear</p> <p>2. Once logged in, navigate to the profile page by clicking the profile button</p> <p>3. From the profile, click on the "Oglas" button to access the specific ad.</p> <p>4. Click the "opcije" button to access options for the ad.</p> <p>5. Click the "hide" button to hide the ad, then click the "unhide" button to unhide the ad again.</p>		The expected result is that the ad is successfully hidden and then unhidden without any errors.	The expected result was that the ad is successfully hidden and then unhidden without any errors.	PASS

Notes:

```

118  @Test
119  public void ProfileOglasSakrij() throws InterruptedException {
120      webDriver.get(baseUrl);
121      Thread.sleep( millis: 200 );
122      WebElement loginLink= webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/header/div/div[1]/div[2]/a[1]*));
123      loginLink.click();
124      webDriver.getCurrentUrl();
125      Thread.sleep( millis: 500 );
126      WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/div/div[2]/div/button[2]*));
127      acceptButton.click();
128      WebElement nameField = webDriver.findElement(By.name("username"));
129      nameField.click();
130      nameField.sendKeys( ...keysToSend: "Edina_Kurto_14" );
131      Thread.sleep( millis: 200 );
132      WebElement passwordField = webDriver.findElement(By.name("password"));
133      passwordField.click();
134      passwordField.sendKeys( ...keysToSend: "kenai_je_moj_pas_123" );
135      Thread.sleep( millis: 200 );
136      webDriver.findElement(By.name("password")).sendKeys(Keys.ENTER);

137      WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
138      WebElement profileButton = wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector('.items-start')));
139      profileButton.click();
140      webDriver.getCurrentUrl();
141      Thread.sleep( millis: 500 );

142      WebElement oglasButton1 = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div[2]/div/div[3]/div/div[2]/div/div/div/div[1]/div[2]/a[1]*)));
143      oglasButton1.click();
144      webDriver.getCurrentUrl();
145      Thread.sleep( millis: 500 );
146      WebElement opcijeButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div[2]/div/div[2]/div/div[2]/button[2]*)));
147      opcijeButton.click();

148      WebElement hideButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div[2]/div/div[2]/div/div[2]/button[2]*)));
149      hideButton.click();
150      WebElement unhideButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div[2]/div/div[2]/div/div[2]/button[2]*)));
151      unhideButton.click();
152      unhideButton.click();
153      WebElement unhideButton = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div[2]/div/div[2]/div/div[2]/button[2]*)));
154      unhideButton.click();
155  }

```

**Test Name:** Profile Postavke Test

Description: The test verifies the login process and navigates to the user's settings page on the website.

Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>Test Steps:</p> <ol style="list-style-type: none">1. Click the "oglas" button to initiate login. Open the base URL then click on the login link to access the website. Accept any pop-ups that may appear2. Once on the profile page, click the "Postavke" button.3. Click the "Go to Cart" button to navigate to the detailed cart page.4. Verify that the current URL matches "https://olx.ba/mojolx/postavke/korisnicke-informacije" to confirm successful navigation to the settings page.		The expected result is that the user successfully logs in and is redirected to the settings page at the correct URL.	The expected result is that the user successfully logs in and is redirected to the settings page at the correct URL.	PASS

Notes:

```

157 @Test
158 public void ProfilePostavke() throws InterruptedException {
159     webDriver.get(baseUrl);
160     Thread.sleep( millis: 200 );
161     WebElement loginLink= webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/header/div/div[1]/div[2]/a[1]*));
162     loginLink.click();
163     webDriver.getCurrentUrl();
164     Thread.sleep( millis: 500 );
165     WebElement acceptButton = webDriver.findElement(By.xpath( xpathExpression: */html/body/div[1]/div/div/div/div[2]/button[2]*));
166     acceptButton.click();
167     WebElement nameField = webDriver.findElement(By.name("username"));
168     nameField.click();
169     nameField.sendKeys( keysToSend: "Edina_Kurto_14" );
170     Thread.sleep( millis: 200 );
171     WebElement passwordField = webDriver.findElement(By.name("password"));
172     passwordField.click();
173     passwordField.sendKeys( keysToSend: "Kenoje_moj_pas_123" );
174     Thread.sleep( millis: 200 );
175     webDriver.findElement(By.name("password")).sendKeys(Keys.ENTER);
176
177     WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
178     WebElement profileButton = wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector(".items-start")));
179     profileButton.click();
180     webDriver.getCurrentUrl();
181     Thread.sleep( millis: 500 );
182
183     WebElement postavke = wait.until(ExpectedConditions.elementToBeClickable(By.xpath( xpathExpression: */html/body/div/div/div/div[1]/div[2]/div/div[1]/div[2]/div[2]/button[1]*)));
184     postavke.click();
185     webDriver.getCurrentUrl();
186     Thread.sleep( millis: 500 );
187
188     System.out.println("Current URL: " + webDriver.getCurrentUrl());
189     WebDriverWait wait3 = new WebDriverWait(webDriver, Duration.ofSeconds(5));
190     wait3.until(ExpectedConditions.urlToBe("https://olx.ba/mojolx/postavke/korisnicke-informacije"));
191     Assertions.assertTrue(webDriver.getCurrentUrl().equals("https://olx.ba/mojolx/postavke/korisnicke-informacije"));
192 }

```



9. Conclusion

9.1. Testing Summary

Testing Tool	Total Tests	Passed Tests	Failed Tests
<ul style="list-style-type: none">JUnit testing frameworkSelenium WebDriver	67	64	3

9.1.1 Failed Tests

1. Notification Button Tag - Tag function is not savable nor clickable. The tag will never appear since the website itself never provided a code for this function.
2. Blog.OLX Link Test - The webpage did not load. In the footer it does not work
3. Cart Delete Test - The test verifies that an item can be successfully removed from the shopping cart, displaying the confirmation message "Uspješno ste izbrisali oglas iz korpe". Besides this pup there are a few more requiring email address but we didn't go into too much detail since its a test run.



9.2. Final Thoughts

OLX.ba is one of the most popular sites, both culturally and by numbers. Holding up a reliable image is important for OLX, since trusting the site to handle payment and to be go-to place to create product listings is their foundation to success. Out of 67 tests, 64 have passed which gives us a 95.52% success rate. Out of the features that have failed, they weren't core to the user experience of the website, but tend to be in the category of gimmick features that fall down the priority line of development.

We will now try to give an honest review of our work: We are very satisfied with the actual end result and lessons we learned throughout doing this project. Both of us consider now testing positions while looking for specific internship opportunities. We think we covered the main needed goals of this project and took away key aspects. Maybe one lesson we keep on failing to learn is understating the amount of work needed to be done and approaching these tasks naively. We definitely spent more time debugging our code than writing it. We did not allocate enough time or used Git to our full advantage. Even though this was a lot of work, this was definitely one of the most fun applicable projects we had this semester.