SOFTWARE VERIFICATION, VALIDATION AND TESTING

TESTING DOCUMENTATION

OLX.BA

Prepared by: Faris Bektaš Amina Mehić

Proposed to: Samed Jukić, Assist. Prof. Dr. Aldin Kovačević, Teaching Assistant

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1. Introduction

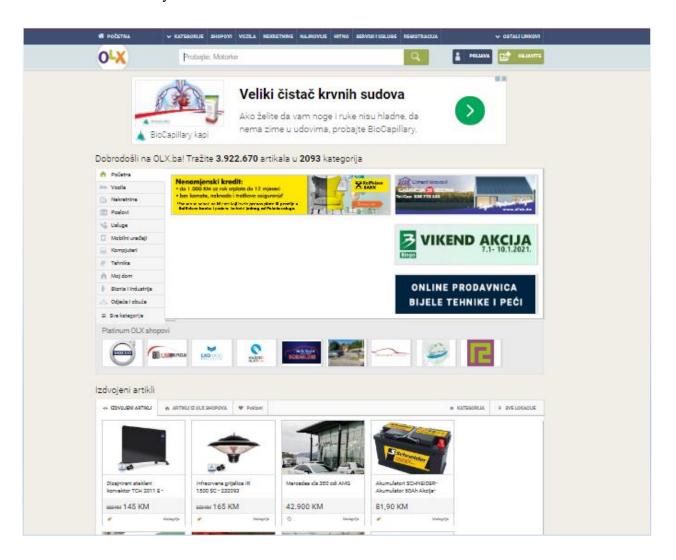
1.1. About the Project

Name of the project: Olx.ba

Link to the project application: https://www.olx.ba/

OLX.BA is a website for an online marketplace in Bosnia and Herzegovina. It makes it easy to connect people to buy, sell, or exchange new or used goods and services. The website provides the user to sign up, log in, post an item, send a message to another user, or search an item it based on categories.

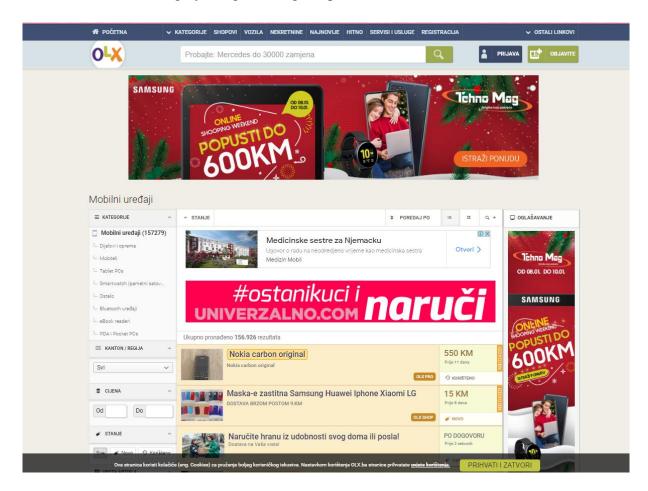
The website is mobile-friendly.



Picture 1: Home page

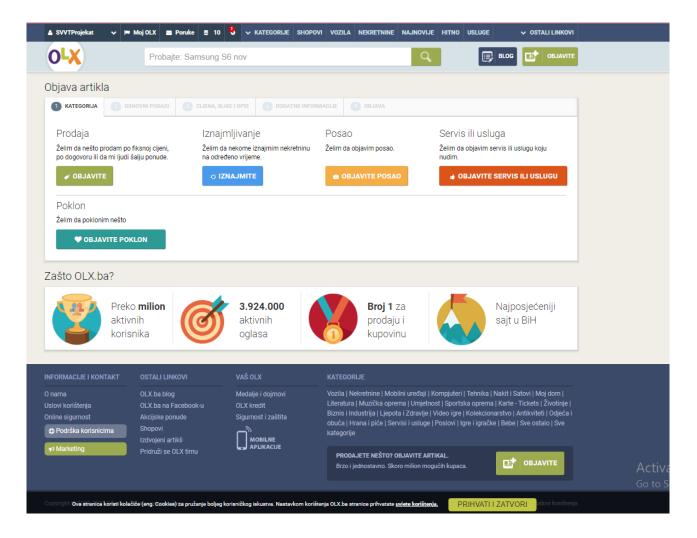
1.2. Project Functionalities and Screenshots

- Home page: The home page (https://www.olx.ba) is the page where you can see a short preview of the newest items. The home page (and every other page) includes a navbar with buttons that are links to Categories, Shops, Cars, Real Estate, Latest Items, Urgent, Services, Registration, and Other Links; it also includes a field to search, and tabs to sign up or log in. Also, there is a pop up which asks a user to accept cookies.
 The home page is a default tab that opens as a first page.
- **Login:** Login is the part of the navbar. It is a form for a user's data entry: username and password, as well as a login button.
- **Mobile Devices page:** Mobile Devices page (https://www.olx.ba/dijelovi-i-oprema/3/252) is the preview of listed items with text, image, and price part. Also, there is a drop-down menu that is used for searching by categories, region, price, etc.



Picture 2: Mobile Devices page

• **Publish Article page:** Publish Article page (https://www.olx.ba/objava) is the page for publishing the article. It includes tabs to add information about the article that we are publishing, those are Category; Basic Information; Price, Image, Description; Delivery and Payment; and Publication.



Picture 3: Publish Article page

- **Logo image:** The logo image is the clickable image that brings back to the home page.
- **Search bar:** The search bar is part of the navbar, with input for entering the data that the user wants to search for, as well as a search button.
- Messages tab: Messages tab (https://www.olx.ba/poruke) is part of the navbar for logged in users. This tab leads to the page with the preview of the messages that the user has.
- **Send Message tab:** Send message is a button to send a message to the user (on the user profile).
- **MyProfile tab:** MyProfile is part of the navbar for logged in users. This tab leads to the page with the preview of the user's information.

2. Test Plan

2.1. Scope

This test plan describes the testing approach for testing Olx's website. The document introduces:

- Test strategy: rules the test will be based on, description of the process to set up a valid test
- Execution strategy: how the test will be performed and process to identify and report defects, and to fix and implement fixes
- Test cases: list of all test cases that are executed

2.2. Testing Environment and Tools

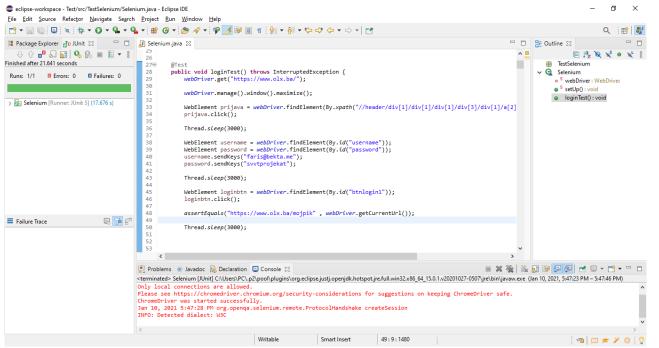
During this testing, we used Java programming language. For writing tests and extensions, we used Junit Jupiter and as an object-oriented automation API, that natively drives a browser, we used Selenium WebDriver.

3. Test Execution

3.1. Login - Check if the Login Form works correctly

The purpose is to check if when the login button is clicked, it forwards to the page https://www.olx.ba/mojpik.

Test Name: loginTest()				
Description: Testing does	s login process worl	ks		
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
 Clicking button "Prijava". Sending keys/values to username and password text spaces. Clicking login button. 	- There are only input values for username and password.	To take us to the OLX.ba logged in.	Took us to the OLX.ba logged in.	PASS
Notes:	ı		1	

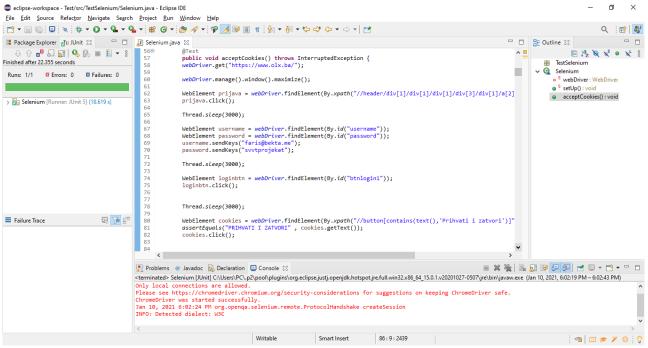


Picture 4: Check if login form works correctly

3.2. Accept Cookies - Check if the Accept Cookies button works correctly

The purpose is to check if the pop up at the footer of the page says "Accept and Close" and whether button to accept cookies works correctly and accept cookies and close pop up as well.

Description: Testing if A	ccept Cookies bu	ıtton works		
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
 Wait until OLX.ba website is loaded. Find the xpath of button, and click it. Testing if the leading pop-up text is the one we expected. 		Accept cookies window disappear.	Accept cookies window disappear	PASS

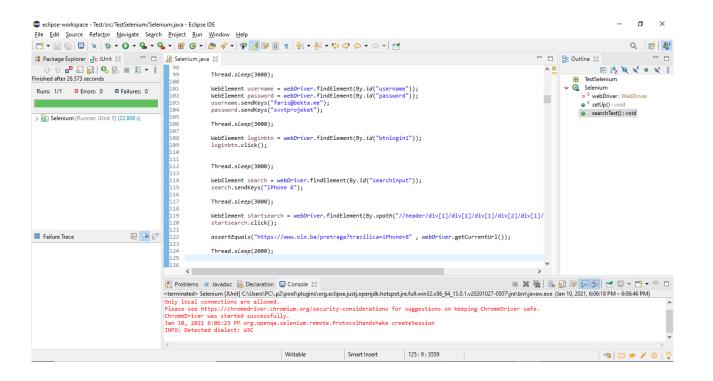


Picture 5: Check if Accept Cookies button works correctly

3.3. Search Test – Check if the Search bar works correctly

The purpose is to check if the search bar works correctly if the user can input value to search, and search it by clicking on the button, and if the button leads to the https://www.olx.ba/pretraga?trazilica=iphone+8 page.

Test Name: searchTest()				
Description: Testing does	OLX search work	S		
Pre-condition(s): Getting	OLX.ba			
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
 Find the path of text space and send key/value/text to search. Find path of button and click it. 	-Sending some data input for search.	Taking us to next page of our wanted search.	Taking us to next page of our wanted search.	PASS
Notes:				

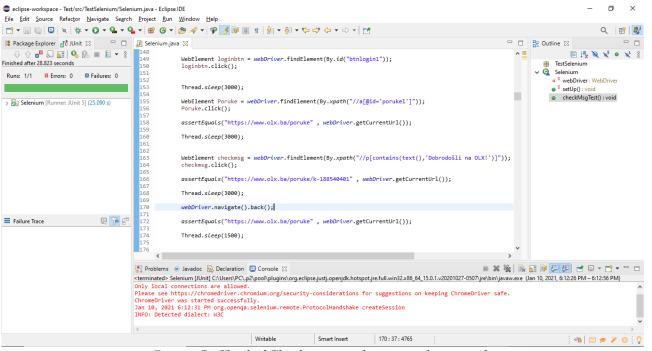


Pictures 6: Check if the Search bar works correctly

3.4. Check Message – Check if the Check Message button and Opening Message work correctly

The purpose is to check if the Check Message button takes to the Messages page with no problem. Next, to check if by clicking on the message that user has, does it take to the link for that message. After all, to check if clicking on the back button leads back to the Messages page (https://www.olx.ba/poruke).

Test Name: checkMsgTest	()			
Description: Testing does	message button	works, message inside i	t and back button	
Pre-condition(s): Getting	OLX.ba, Logging	g in		
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Find the path of message button and click it.		Opening Messages page	page	PASS
2. Find the path of message inside it and click it.		Opening our new message for us.	Opening our new message for us.	
3. Testing if the leading Page Title is the one we expected.		Taking us back to Messages page	Taking us back to Messages page	
Notes:				

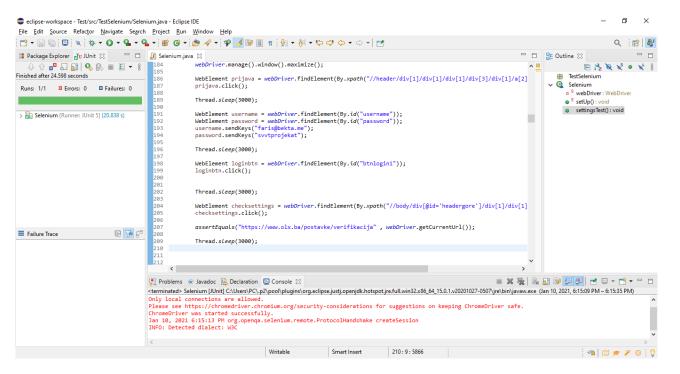


Picture 7: Check if Check message button works correctly

3.5. Settings Test – Check if the Settings button works correctly

The purpose is to check if the button leading to the settings page works correctly.

Test Name: settingsTest()				
Description: Testing doe	s settings button w	ork.		
Pre-condition(s): Getting	OLX.ba, Logging	in		
Test Steps: Test Data: Expected Result: Actual Result: Status:				
1. Find the path of settings button, click it.		Opening our settings page.	Opening our settings page.	PASS
Notes:		l		

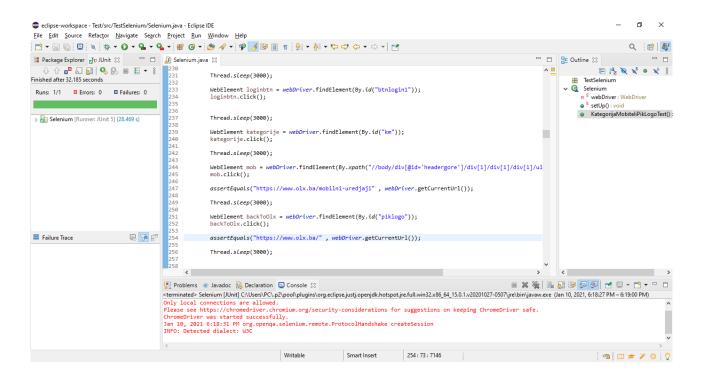


Picture 8: Check if Settings button works correctly

3.6. Mobile Devices – Check if it opens correctly

The purpose is to check if the Mobile Devices, button from the Category dropdown, leads to the Mobile Devices page with no problems. Also, to check if clickable logo picture leads to Home Page.

Test Name: KategorijaMobiteliPikLogoTest() **Description:** Testing does category-mobile phones works, and does OLX logo works. Pre-condition(s): Getting OLX.ba, Logging in **Test Data: Test Steps: Expected Result: Actual Result: Status:** 1. Find the path of Open wanted Open wanted **PASS** category dropdown category with category with button, click it. mobile devices, go mobile devices, go 2. Find the path of mobile back to OLX.ba back to OLX.ba devices inside it, and click 3. Testing if the leading Page Title is the one we expected. 4. Navigate back to OLX by finding path of OLX logo button and clicking it. **Notes:**

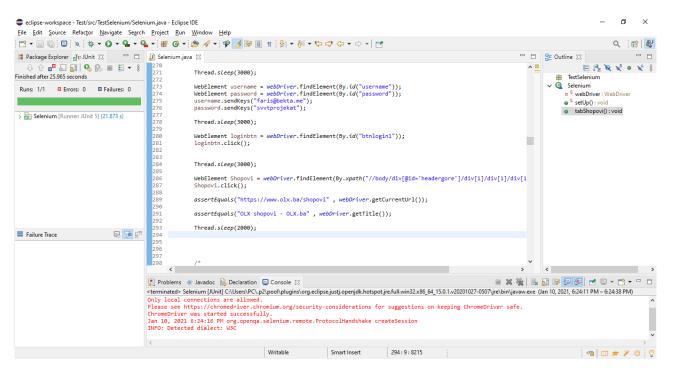


Picture 9: Check if the Mobile devices page opens correctly

3.7. Tab Shops – Check if it opens correctly

The purpose is to check if the Shops, button from the navbar, works with no problems and leads to the Shops page. Also, to check if the tittle of this page ("OLX SHOPOVI – OLX.ba) leads to the Shops page (https://www.olx.ba/shopovi).

Test Name: tabShopovi()				
Description: Testing does	Shopovi tab wo	rks.		
Pre-condition(s): Getting	OLX.ba, Loggin	g in		
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
 Find the path of Shopovi button, click it. Testing if the leading Page Title is the one we expected. 		Open Shopovi page.	Open Shopovi page.	PASS
Notes:				

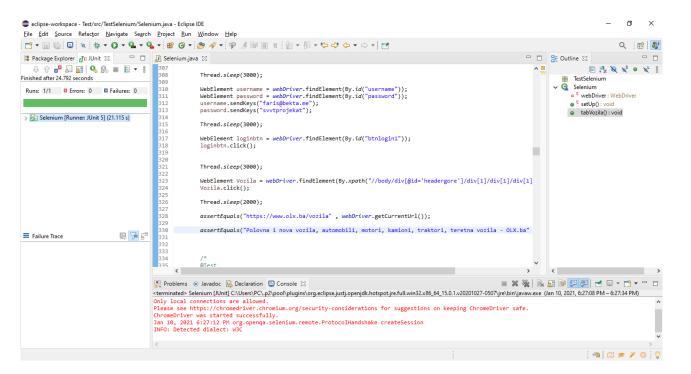


Picture 10: Check if tab Shops works correctly

3.8. Tab Cars – Check if it opens correctly

The purpose is to check if the Cars, button from the navbar, works with no problems and leads to the Cars page. Also, to check if the page tittle leads to the Cars page.

Test Name: tabVozila()				
Description: Testing does	Vozila button work			
Pre-condition(s): Getting	OLX.ba, Logging ir	1		
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
 Find the path of Vozila button, click it. Compare current and expected tittles 		Opening our Vozila page.	Opening our Vozila page.	PASS
Notes:		,	,	

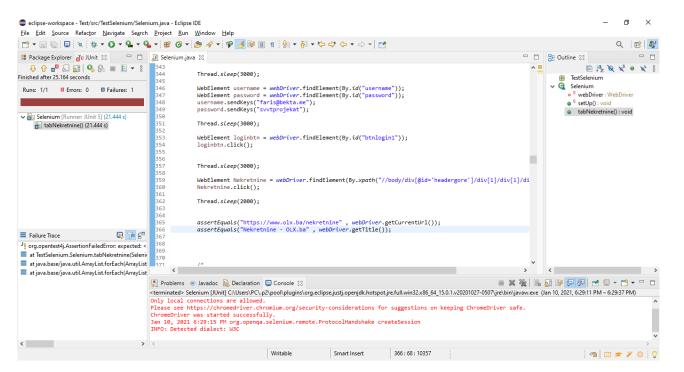


Picture 11: Check if tab Cars works correctly

3.9. Tab Real Estate – Check if it opens correctly

The purpose is to check if Real Estate, button from the navbar, works with no problems and leads to the Real Estate page. Also, to check if the page tittle leads to the Real Estate page.

Test Name: tabNekretnine()					
Description: Testing does	Description: Testing does Nekretnine button work.				
Pre-condition(s): Getting	OLX.ba, Logging in	1			
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:	
 Find the path of Nekretnine button, click it. Testing if the leading Page Title is the one we expected. 		Opening our Nekretnine page.	Opening our Nekretnine page.	FAIL	
Notes:					

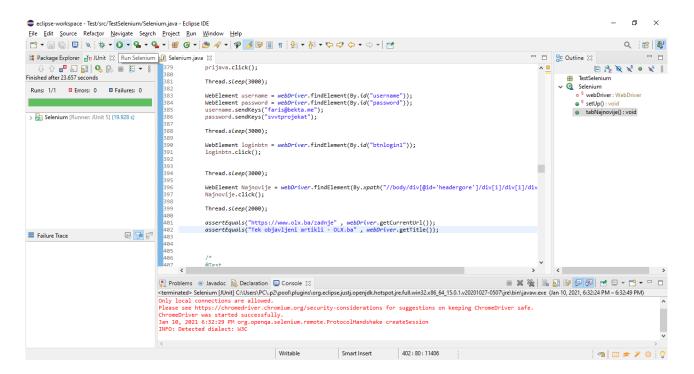


Picture 12: Check if tab Real Estate works correctly

3.10. Tab Latest – Check if it opens correctly

The purpose is to check if the Latest, button from the navbar, works with no problems and leads to the Latest page. Also, to check if the page tittle leads to the Latest page.

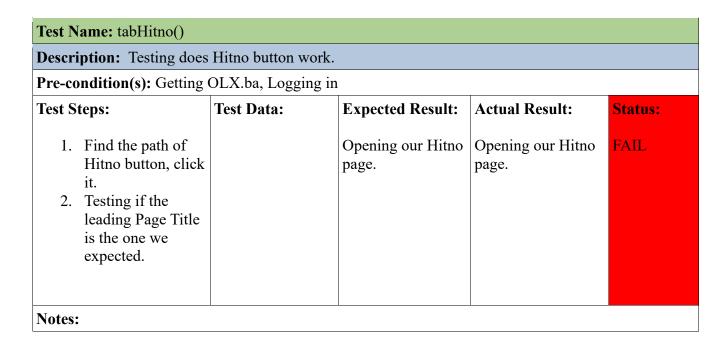
Test Name: tabNajnovije()	Test Name: tabNajnovije()			
Description: Testing does	Najnovije button w	ork.		
Pre-condition(s): Getting	OLX.ba, Logging in	ı		
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
 Find the path of Najnovije button, click it. Testing if the leading Page Title is the one we expected. 		Opening our Najnovije page.	Opening our Najnovije page.	PASS
Notes:				

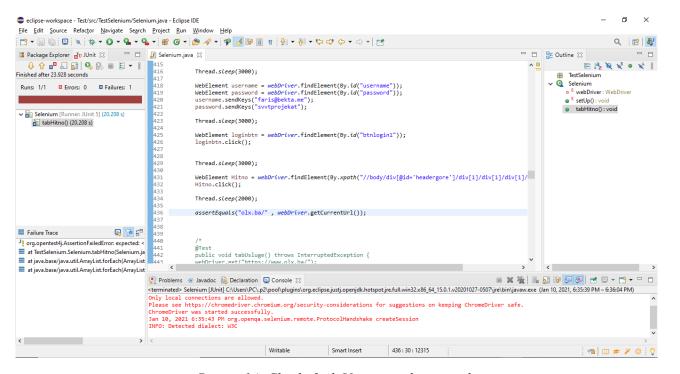


Picture 13: Check if tab Latest works correctly

3.11. Tab Urgent – Check if it opens correctly

The purpose is to check if the Urgent, button from the navbar, works with no problems and leads to the Urgent page.



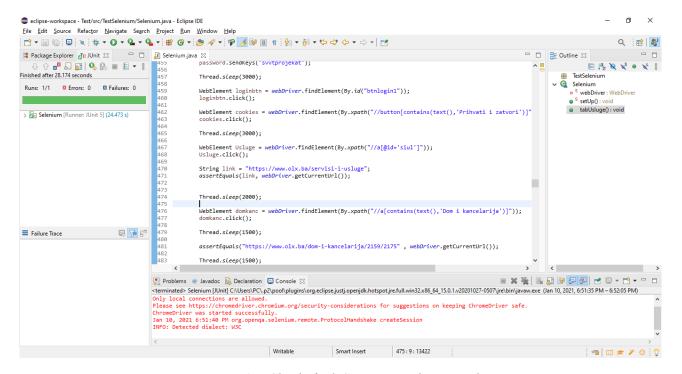


Picture 14: Check if tab Urgent works correctly

3.12. Tab Services – Check if it opens correctly

The purpose is to check if the Services, button from the navbar, works with no problems and leads to the Services page. Also, to check if the button from side bar, Homes and Offices, leads to the Homes and Offices page.

Test Name: tabUsluge()				
Description: Testing does	Usluge button wor	k.		
Pre-condition(s): Getting	OLX.ba, Logging i	n		
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
 Find the path of Usluge button, click it. Find the path of Dom I Kancelarija button, click it. 		Opening our Usluge page. Opening our Dom I Kancelarija page.	Opening our Usluge page. Opening our Dom I Kancelarija page	PASS
Notes:	1		1	



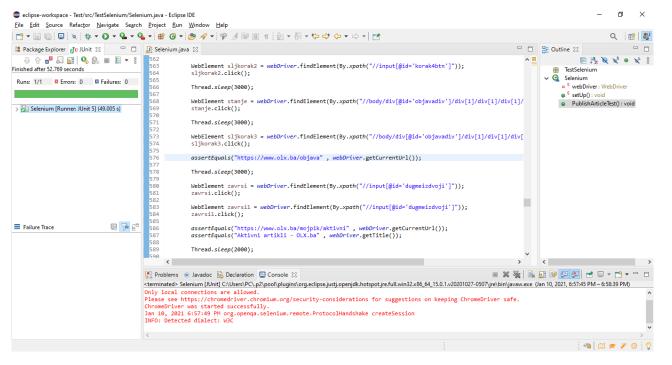
Picture 15: Check if tab Services works correctly

3.13. Publish Article - Check if it works correctly

The purpose is, firstly, to check if the button on the navbar works properly and leads to the publication page.

Secondly, to check if, after publishing article, it leads to published article page.

Test Name: PublishArticle	eTest()			
Description: Testing does	publishing artic	le process works.		
Pre-condition(s): Getting	OLX.ba, Loggin	g in, Accepting cookies		
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Find the path of Objavite button, click it.		Publishing our article "iPhone 8".	Published our article "iPhone 8".	PASS
2. Find the path of Zavrsi button, click it		Taking us to the Published Article Page	Taking us to the Published Article Page	
Notes:	1			

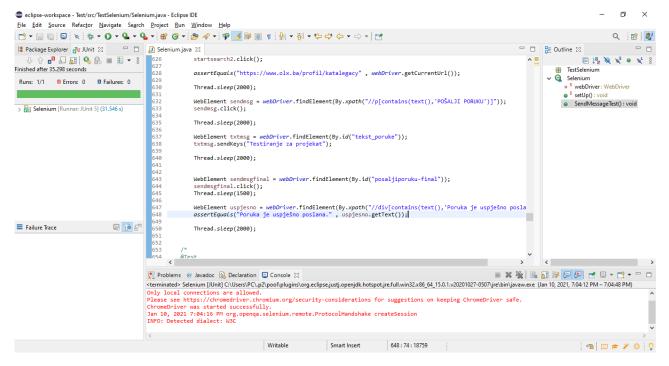


Picture 16: Check if Publish Article page works correctly

3.14. Tabs Profile and SendMessage – Check if it works correctly

The purpose is to check if the Profile Button, works with no problems and leads to a Profile page. Next, to check if, after sending message, pop up with content that message is sent appears.

Test Name: SendMessageTest()					
Description: Testing does sending message to another user works. Pre-condition(s): Getting OLX.ba, Logging in, search button.					
1. Find the path of Profile button, click it. 1. Send input values to search space of wanted user. 2. Find the path of user, click it. 3. Find the path of Send message button, click it. 4. Send some input values for message. 5. Find the path of Posalji and click it. 6. Testing if the leading pop-up text is the one we expected.	-Input value for userInput value for text message.	Sending message to user. Pop-up appearing.	Sent message to user. Pop-up appearing.	PASS	
Notes:					

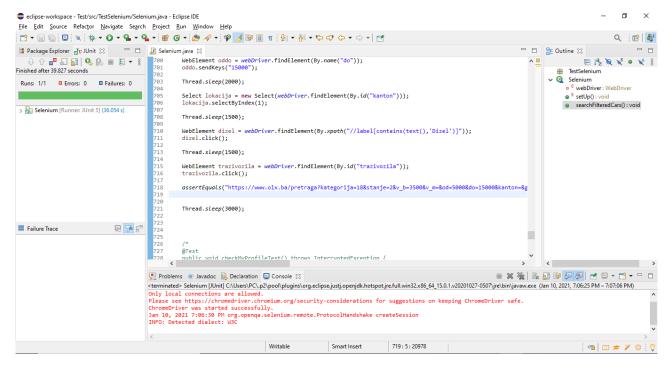


Pictures 17: Check if tab Send Message works correctly

3.15. Search bar searchFilerCars – Check if it works correctly

The purpose is to check, if when all the filters are selected and the Search button is clicked, does it lead to the page where it displays cars with entered criteria.

Test Name: searchFilteredCars()						
Description: Testing does searching filtered cars work.						
Pre-condition(s): Getting OLX.ba, Logging in						
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:		
1. Find the path of Vozila button, click it. 2. Click the "Polovna" button. 3. We want BMW so on dropdown using Select, select BMW vehicles. 4. Send keys from 5000 to 15000 price. 5. Click the button "Dizel". 6. On dropdown select that we want it from Sarajevo. 7. Click "Trazi vozila" button.	-Input values for the price.	Opening page of our wanted filtered cars.	Opening page of our wanted filtered cars.	PASS		
Notes:		I .				

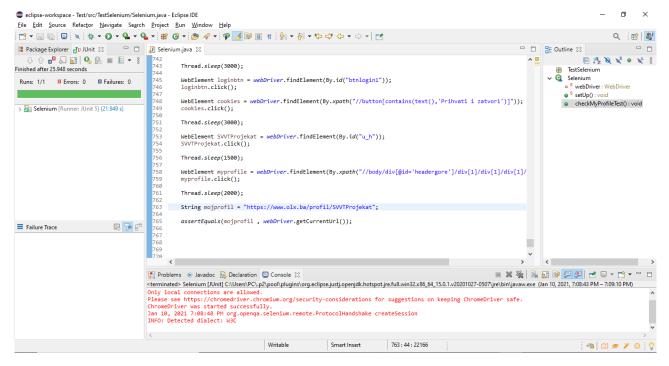


Picture 18: Check if search bar searchFilteredCars works correctly

3.16. Tab MyProfile - Check if it opens correctly

The purpose is to check if MyProfile, button from the navbar, works with no problems and leads to the MyProfile page.

Test Name: checkMyProfileTest()					
Description: Testing does checking my profile button works.					
Pre-condition(s): Getting OLX.ba, Logging in, Accepting cookies					
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:	
 Find the path of our username top left corner, click it. Find the path of our profile, and click it. 		Opening our profile page.	Opening our profile page.	PASS	
Notes:					



Picture 19: Check if checkMyProfile button works correctly

4. Conclusion

4.1. Testing summary

Testing Tool	Total Tests	Passed Tests	Failed Tests
JUnit	16	14	2
Selenium WebDriver			
	16		2

Failed Tests:

Tab Real Estate – Check if it opens correctly

Tab Urgent – Check if it opens correctly

4.2. Final Thoughts

We tested some of the biggest companies website on our region. Even before testing, we doubted there would be some mistakes on the website. And as we thought everything was implemented well. Some of the tests failed (on purpose) for us to check is the real URL correct. It is simply the simpliest, without any mistakes, fully functional, working website. It was fun testing it.