

SOFTWARE VERIFICATION, VALIDATION AND TESTING

TESTING DOCUMENTATION

CineStar Cinemas

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1. Introduction

1.1. About the Project

The name of the project undergoing testing is **CineStar Cinemas**. It is the website of one of the leading cinema chains in the region. I will test and focus only on the page created for BiH.

The site is great, that is, there are many different testing options. There is detailed information about CineStar including movie schedule, benefits, services, loyalty programs, subscriptions. In addition, it is very functional, easy to use, which is the goal for easier buying or reservation of tickets.

Its link to homepage: <https://www.blitz-cinestar-bh.ba/>.

1.2. Project Functionalities and Screenshots

I will work on testing technique in which Graphical User Interface (GUI), functionality and usability of web applications are tested, that is front-end testing.

The goal of this Front-end testing is testing overall or as much as possible functionalities to ensure to have an insight into their accuracy.

The main parts the comprise this homepage at the front-end level are:

- **Header**



It represents the beginning of the page. This part is on each page.

Contains:

- A logo that, in addition to promotional content, also serves as the fastest way to return to the home page, no matter where you are.
- And the logos of social networks where you can also find their content, each icon connects specific social network.

- **Menu**



This is like the content of a cinema, what it offers or owns.

As we saw in the screenshot above, it contains the following:

- imax projection - <https://www.blitz-cinestar-bh.ba/imax>
- 4dx projection - <https://www.blitz-cinestar-bh.ba/4dx>
- extreme projection - <https://www.blitz-cinestar-bh.ba/extreme>
- possibility to rent a hall - <https://www.blitz-cinestar-bh.ba/tvoje-privatno-kino-8904>

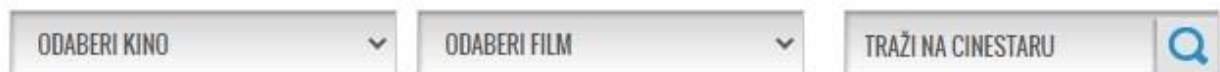
- a list of spectacle movies - <https://www.blitz-cinestar-bh.ba/spektakli>
- different types of seats - <https://www.blitz-cinestar-bh.ba/sjedista-bih>
- membership card loyalty - <https://www.blitz-cinestar-bh.ba/loyalty-program-7936>
- possibility to book school visits - <https://www.blitz-cinestar-bh.ba/skolske-projekcije-7351>
- birthdays - <https://www.blitz-cinestar-bh.ba/proslavi-rodjendan-kao-zvijezda-8585>
- and projections for the youngest - <https://www.blitz-cinestar-bh.ba/kids>

- **Rotator**



On the left are five cards that classify self-rotating ads. Each classification has five advertisements, the label for the same as the manual switch is marked with a red arrow in the picture. Also, each of them is changeable, the projections change every week.

- **Selection or filtering**



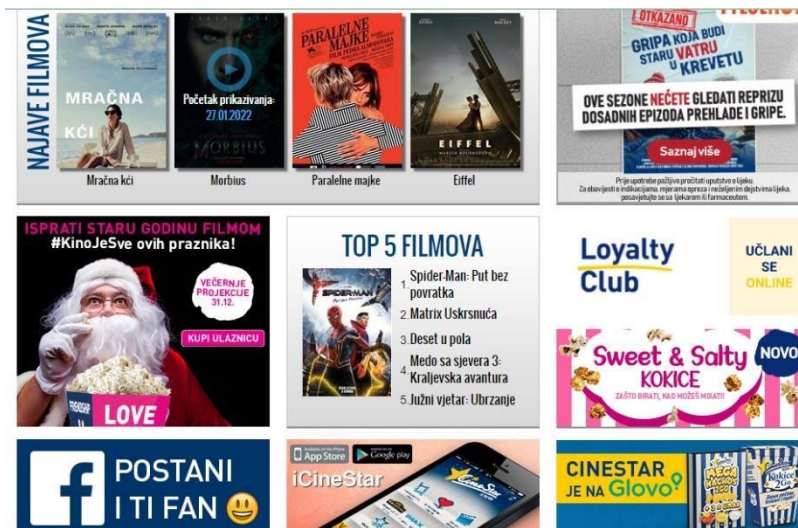
Every page has this section, not just the homepage, except for buying or booking a ticket. That is, changing the option of a movie or cinema is possible at any time, except when it comes to choosing a seat. Before that, you had to choose the cinema, the movie, the day and the time of the screening. It is possible to filter them only individually, ie the first filtering according to one and then the other criteria. After each filtering, this selective bar remains visible.

- **Buying tickets online** - <https://online.cinestarcinemas.ba/>



This is a button, through which you can access to process of buying tickets through a completely different schedule. It is located next to selection bar and located only on the homepage.

- Advertising part



This space on the website was used both for advertisements and for their personal promotions. It is changeable, that is, it is not constant. Also, each of them is linked and leads either to their site or a page with a company they work with.

- Subscribe and unsubscribe - <https://www.blitz-cinestar-bh.ba/newsletter-prijava>



This section leads us to register for periodic notifications of new offerings in cinemas by email. On the same page, it is possible to register and unregister. It is only on the homepage.

- Backup menu

O NAMA	PREMIUM FORMATI	USLUGE	LOYALTY PROGRAM	CIJENE
Kontakti i radno vrijeme	IMAX	Dječji rođendani	Loyalty Club	Redovne cijene
O nama	4DX	Matineje i family paket	Stars Club Classic kartica	Grupni popusti
Osnovni podaci kompanije	GOLD CLASS by PREMIUM	Moja CineStar srijeda	Family Club kartica	Zakup Premium loža
Pregled svih kina	VISA	CineLady	Student Club kartica	Školske projekcije
Zapošljavanje	Auro 3D	Spektakli	Senior Club kartica	Ugostiteljstvo
Online kupnja ulaznica	RealD 3D	Tvoje privatno kino	Bonus program	e-plaćanje
RSS	eXtreme	Business Club		Print@home
Press		Business projekcije		
Oglašavanje		Event centar		
Copyright, ograničenje odgovornosti i opšti uslovi		Mastercard pogodnosti 2021		
Mjere sigurnosti				

You can get through all the above services in a simpler way, which is exactly what this functionality is all about. It is at the end of the every page. Headings are plain text, while subheadings lead to the appropriate pages.

- the docked sidebar - <https://cinestartvchannels.hr/cinestar-tv-channels-premiere-ovih-su-blagdana-dostupni-svima/>



It is located on both sides of all the above functionalities and is permanent a “constant” feature on the page. But the ads within them change with each new launch of the site. Also, it is on every page.

Overall page layout.



2. Test Plan

2.1. Scope

What this test documentation will contain are:

- test scenarios: different use cases that an ordinary customer might encounter using the website. Also used as a classification name for test cases.
- test cases: a detailed tabular description of all test cases performed, along with pre-condition(s), steps, inputs, expected and actual results, and their final status.
- test executions: screenshots of all written tests.

The first cinema in Bosnia and Herzegovina was opened by this company in 2012. So that the website has been upgraded for a long time and is very extensive, I will try to cover all the essential functionalities, but not all.

As I said, the test plan will attempt to cover all basic functionalities, starting from the homepage. Then, movie schedule functionalities, the process of buying or booking a ticket, seats. Moreover, additional aspects, such as log in/registration and the register and unregister for periodic notifications form will be tested, as well.

The test plan will not cover the testing of static resources, such as images and element texts, except in the areas where they prove that a desired functionality has triggered. The test plan will also not cover the actual order payment process or seat reservations, because it is an actual process that would harm the company or the user.

2.2. Testing Environment and Tools

Front-end tests of this web application will be conducted via the Selenium framework for Java, and contained within JUnit test cases. The tests will be written and run in Eclipse Java IDE 2021-09 (4.21.0).

The web driver will use the Google Chrome executable.

3. Test Execution

The beginning of each code:

```
private static WebDriver webDriver;  
private static String baseUrl;  
@BeforeAll  
static void setUpBeforeClass() throws Exception {  
    System.setProperty("webdriver.chrome.driver", "C:\\Users\\Adi\\Desktop\\chromedriver.exe");  
    webDriver = new ChromeDriver();  
    baseUrl = "https://www.blitz-cinestar-bh.ba/";  
}  
  
@AfterAll  
static void tearDownAfterClass() throws Exception {  
    webDriver.close();  
}
```

3.1. Test Scenario: The homepage

Description: Users should be able to quickly scan the home page for the most critical features. In this scenario we will test these features.

3.1.1. Test Name: Logo Test

Description: Check if user is taken to homepage when logo is clicked.

Pre-condition(s): Google Chrome as web driver is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page. 2. Click on "4DX" link. 3. Ensure you've been navigated to the link you want. 4. Click on the logo in the upper left corner. 5. Ensure you're back on the homepage.	1. "4DX" link 2. Logo image 3. Homepage link	When the user clicks on the logo, it is taken to home page.	The user is taken to the correct page when clicking on the logo.	PASS
Notes:				

3.1.2. Test Name: Menu Test

Description: Check if all items are clickable and lead to their respective page

Pre-condition(s): Google Chrome as web driver is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page. 2. Click on each link on bar individually and check if the URL corresponds to the page they lead to.	1. "Imax" link 2. "4DX" link 3. "Extreme" link 4. "Tvoje privatno kino" link 5. "Spektakli" link 6. "Sjedišta" link 7. „Loyalty“ link 8. „Školske projekcije“ link 9. "Rođendani" link 10. "Star kids" link 11. Homepage link	The user is navigated to all the pages and is shown the correct page.	The user is navigated to all the pages and is shown the correct page.	PASS

Notes:

```
@Test
@Order(1)
void testLogo() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    webDriver.navigate().to(baseUrl + "/4dx");
    assertTrue("https://www.blitz-cinestar-bh.ba/4dx", true);
    Thread.sleep(2000);
    webDriver.findElement(By.cssSelector("img[src='img/cinestar-logotip.svg']")).click();
    String url1 = webDriver.getCurrentUrl();
    assertEquals("https://www.blitz-cinestar-bh.ba/", url1);
    Thread.sleep(2000);
}
```

3.1.3. Test Name: Test Rotator

Description: Check if displayed accurate, ie different advertisements, divided into categories when appropriate card is clicked.

Pre-condition(s): Google Chrome as web driver is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page. 2. Click on card individually 3. Check if the advertisements correspond to the clicked.	1. "Na programu" card 2. "Uskoro" card 3. "Akcije i usluge" card 4. "4DX Sarajevo, Banja Luka" card 5. "Imax" card 6. Homepage link	All relevant ads are displayed, by clicking on each card individually.	All relevant ads are displayed, by clicking on each card individually.	PASS

Notes: Rotator does not change web pages or anything to compare accuracy. The code is written just to check if the ads are displaying and changing.

```
@Test
@Order(2)
void testMenu() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    webDriver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));

    webDriver.findElement(By.cssSelector("img[src='img/imax-logo.svg']")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/imax", true);

    webDriver.findElement(By.cssSelector("img[src='img/4dx-logo-n2.svg']")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/4dx", true);

    webDriver.findElement(By.cssSelector("img[src='img/extreme-logo.svg']")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/extreme", true);

    webDriver.findElement(By.cssSelector(".tvoje-kino-icon")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/tvoje-privatno-kino-8904", true);

    webDriver.findElement(By.cssSelector(".spektakli-icon")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/spektakli", true);

    webDriver.findElement(By.cssSelector(".sjedala")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/sjedista-bih", true);

    webDriver.findElement(By.cssSelector(".loyalty-icon")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/loyalty-program-7936", true);

    webDriver.findElement(By.cssSelector(".projekcije-icon")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/skolske-projekcije-7351", true);

    webDriver.findElement(By.cssSelector(".rodendani-icon")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/proslavi-rodjendan-kao-zvijezda-8585", true);

    webDriver.findElement(By.cssSelector(".starkids-icon")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/kids", true);
}
```

3.1.4. Test Name: Test Rotator Ads

Description: Make sure that clicking on different cards, different ads open the correct links.

Pre-condition(s): Google Chrome as web driver is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page. 2. Click on the first card 3. Click on ads 4. Make sure the correct link opens 5. Go one step back 6. Click on the second card 3. Click on the second ads 4. Make sure the correct link opens	1.“Na programu” card 2.“Akcije i usluge” card 3. Ads links 4. Homepage link	Clicking on the ads on different card opens the corresponding links	Clicking on the ads on different card opens the corresponding links	PASS

Notes: The code is completely correct, except that the ads change every week, so if you try the same code later, you may encounter an error.

```
@Test
@Order(3)
void testRotator() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.findElement(By.linkText("USKORO")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.linkText("NA PROGRAMU")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.linkText("AKCIJE I USLUGE")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.linkText("4DX SARAJEVO, BANJA LUKA")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.linkText("IMAX")).click();
    Thread.sleep(2000);
}
```

3.1.5. Test Name: Test Movie Announcements

Description: Make sure that click on the text "Najave filmova" opens the movie announcements link.

Pre-condition(s): Google Chrome as web driver is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page. 2. Click on "Najave filmova" text. 3. Check does link correspond.	1. "Najave filmova" link 2. Homepage link	The user's click on the "Najave filmova" text opens the movie announcements link.	The user's click on the "Najave filmova" text opens the movie announcements link.	PASS

Notes:

```
@Test
@Order(4)
void testRotatorAds() throws InterruptedException {
    webDriver.get(baseUrl);
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//*[@id=\"tab1Content\"]/div/div/div/a/img")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-bih/king-s-man-pocetak/7235", true);
    Thread.sleep(2000);
    webDriver.navigate().back();
    webDriver.findElement(By.linkText("AKCIJE I USLUGE")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.cssSelector(".rotator3 img")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/business-club-7311", true);
}
```


3.1.6. Test Name: Test months cards in Movie Announcements

Description: Make sure that after clicking on the movie announcements, the cards named as for the next 5 months appear and that each of them leads to the correct announcements.

Pre-condition(s):

Google Chrome as web driver is loaded.

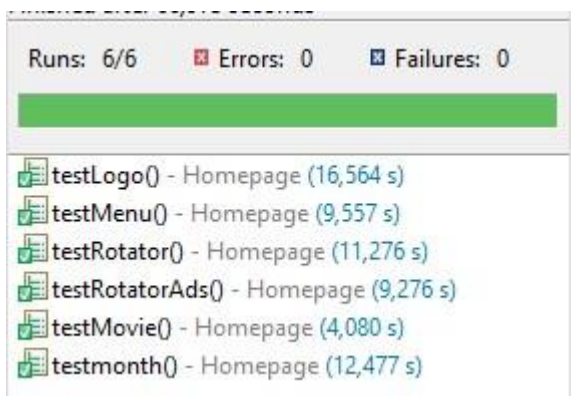
Movie Announcements is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the "Najave filmova" page 2. Check if all links were displayed. 3. Click on each month individually 4. Check if the URL corresponds to the page they lead to.	1. "Najave filmova" link 2. Announcement links for the next five months, individually	On the "Najave filmova" link announcements divided by months appear and clicking on the name of the month, opens the corresponding announcements.	On the "Najave filmova" link announcements divided by months appear and clicking on the name of the month, opens the corresponding announcements.	PASS

Notes:

```
135 @Test
136 @Order(6)
137 void testmonth() throws InterruptedException {
138     webDriver.get("https://www.blitz-cinestar-bh.ba/najave-filmova-5333/1");
139     Thread.sleep(1500);
140     String months[] = { "Januar", "Februar", "Mart", "April", "Maj" };
141     for (String i : months) {
142         webDriver.findElement(By.LinkText(i)).click();
143         Thread.sleep(1500);
144     }
145 }
```

Conclusion:



3.2. Test Scenario: Newsletter

Description: Users want to be periodically informed about the new offer in cinemas by e-mail. At any time, the user can unsubscribe via a link that the user can find within each newsletter sent or on this page.

3.2.1. Test Name: Test Newsletter link				
Description: Check if item is clickable and lead to their respective page.				
Pre-condition(s): Google Chrome as web driver is loaded.				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page 2. Check if link have been rendered 3. Click on link 4. Check if the URL of the opened page corresponds to the link	1. Newsletter link 2. Homepage link	The user is taken to the correct new page when clicking on the link.	The user is taken to the correct new page when clicking on the link.	PASS
Notes:				

```
@Test
@Order(5)
void testMovie() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    webDriver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));
    JavascriptExecutor js = (JavascriptExecutor)webDriver;
    js.executeScript("window.scrollTo(0,500)");
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("/html/body/section/div/div/div[3]/div[1]/div[1]/a/img")).click();
    String url = webDriver.getCurrentUrl();
    assertEquals("https://www.blitz-cinestar-bh.ba/najave-filmova-5333/1", url);
    Thread.sleep(1000);
}
```

3.2.2. Test Name: Test Newsletter login				
Description: Check if item is clickable, can the form be filled out and applied for.				
Pre-condition(s): Google Chrome as web driver is loaded. Newsletter link is loaded.				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the Newsletter link 2. Fill in name, surname and email address 3. Select the offered gender 4. Fill in two checkboxes, one of them is captcha - click manually 5. Click the send button	1. Newsletter link	The data was filled in successfully. The user is logged in (subscribed) and will receive emails.	The data was filled in successfully. The user is logged in (subscribed) and will receive emails.	PASS
Notes: You must manually click that you are not a robot and manually click on the required images.				

```
@Test
@Order(6)
void testmonth() throws InterruptedException {
    webDriver.get("https://www.blitz-cinestar-bh.ba/najave-filmova-5333/1");
    Thread.sleep(1500);
    String months[] = { "Januar", "Februar", "Mart", "April", "Maj" };
    for (String i : months) {
        webDriver.findElement(By.linkText(i)).click();
        Thread.sleep(1500);
    }
}
```

3.2.3. Test Name: Test Newsletter logout

Description: Check if item is clickable, can the form be filled out and unsubscribe.

Pre-condition(s):

Google Chrome as web driver is loaded.

Newsletter link is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the Newsletter link 2. Click on logout 3. Fill email address 4. Fill in checkboxes - click manually 5. Click the send button	1. Newsletter link	The data was filled in successfully. The user is unsubscribed and will not receive emails anymore.	The data was filled in successfully. The user is unsubscribed and will not receive emails anymore.	PASS

Notes:

```
@Test
@Order(1)
void testLetter() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    JavascriptExecutor js = (JavascriptExecutor)webDriver;
    js.executeScript("window.scrollTo(0,1000)");
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("/html/body/section/div/div/div[5]/a/img")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/newsletter-prijava", true);
    Thread.sleep(1000);
}
```

3.2.4. Test Name: Test consent

Description: When the user clicks on the Newsletter, at the bottom there is a link that leads to consent, or registration benefits

Pre-condition(s):

Google Chrome as web driver is loaded.
Newsletter link is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the Newsletter link 2. Go to the "Privola" link 3. Check does the URL corresponds to the page they lead to.	1. Newsletter link	When a user clicks on the Newsletter, a link is displayed that the user can click to read the subscription benefits.	When a user clicks on the Newsletter, a link is displayed that the user can click to read the subscription benefits.	PASS

Notes:


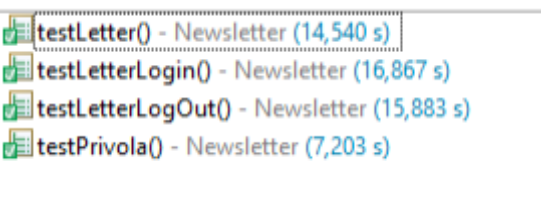
```
@Test
@Order(2)
void testLetterLogin() throws InterruptedException {
    webDriver.get("https://www.blitz-cinestar-bh.ba/newsletter-prijava");
    webDriver.manage().window().maximize();
    JavascriptExecutor js = (JavascriptExecutor)webDriver;
    js.executeScript("window.scrollTo(0,1000)");
    WebElement ime = webDriver.findElement(By.name("Ime"));
    WebElement prez = webDriver.findElement(By.name("Prezime"));
    WebElement email = webDriver.findElement(By.name("email"));

    assertEquals("input", ime.getTagName());
    assertEquals("input", prez.getTagName());
    assertEquals("input", email.getTagName());

    ime.sendKeys("Adi");
    prez.sendKeys("Dzumhur");
    email.sendKeys("Adi.Dzumhur@stu.ibu.edu.ba");

    WebElement zensko = webDriver.findElement(By.xpath("//*[@id=\"spol_0\"]"));
    zensko.click();
    assertTrue(zensko.isSelected());
    Thread.sleep(2000);
    JavascriptExecutor js1 = (JavascriptExecutor)webDriver;
    js1.executeScript("window.scrollTo(0,200)");
    webDriver.findElement(By.xpath("//*[@id=\"newsupis2\"]/table/tbody/tr[6]/td/label\r\n")).click();
    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(45));
    Thread.sleep(10000);
    WebElement permission = wait.until(ExpectedConditions.visibilityOfElementLocated(
        By.xpath("//*[@id=\"newsupis2\"]/table/tbody/tr[8]/td/div/input")));
    permission.click();
    Thread.sleep(2000);
}
```

Conclusion:

Runs: 4/4	Errors: 0	Failures: 0
		
		

3.3. Test Scenario: Movies Selection (filtering)

Description: Users want to be able to only see products from a category. There are different types of filtering, but it is possible to have several at once.

3.3.1. Test Name: Test “Odaberi kino” drop-down list				
Description: Check that the drop-down menu opens when clicked and that it leads to a selection of cinemas by city.				
Pre-condition(s): Google Chrome as web driver is loaded.				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page 2. Check if all cities were displayed. 3. Click on each city link individually 4. Check if the URLs of the opened pages correspond to the links.	1. homepage 2. the cities URLs	The user is taken to the correct new page when clicking on the selected city.	The user is taken to the correct new page when clicking on the selected city.	PASS
Notes:				

```
@Test
@Order(3)
void testLetterLogOut() throws InterruptedException {
    webDriver.get("https://www.blitz-cinestar-bh.ba/newsletter-prijava");
    webDriver.manage().window().maximize();
    JavascriptExecutor js = (JavascriptExecutor)webDriver;
    js.executeScript("window.scrollTo(0,1000)");
    webDriver.findElement(By.xpath("//*[@id=\"newsupis2\"]/table/tbody/tr[1]/td/label[2]")).click();
    WebElement email2 = webDriver.findElement(By.name("email"));
    assertEquals("input", email2.getTagName());
    email2.sendKeys("adi.dzumhur@stu.ibu.edu.ba");
    Thread.sleep(2000);
    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(45));
    Thread.sleep(10000);
    WebElement permission2 = wait.until(ExpectedConditions.visibilityOfElementLocated(
        By.xpath("//*[@id=\"newsupis2\"]/table/tbody/tr[8]/td/div/input")));
    permission2.click();
    Thread.sleep(2000);
}
```

3.3.2. Test Name: Test “Odaberi film” drop-down list

Description: Check that the drop-down menu opens when clicked and that it leads to a selection of movies.

Pre-condition(s): Google Chrome as web driver is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page 2. Check if all movies are displayed. 3. Click on each city link individually 4. Check if the URL of the opened page corresponds to the link	1.homepage 2.the movies URLs	The user is taken to the correct new page when clicking on the movie.	The user is taken to the correct new page when clicking on the movie.	PASS

Notes: Due to the huge number of films from all cinemas in BIH, we checked only a few. Movies in cinemas aren't permanent, new movies are coming out, so if you try to run code in the future you might run into mistakes.

```
@Test
@Order(4)
void testPrivola() throws InterruptedException {
    webDriver.get("https://www.blitz-cinestar-bh.ba/newsletter-prijava");
    Thread.sleep(2000);
    webDriver.manage().window().maximize();
    JavascriptExecutor js = (JavascriptExecutor)webDriver;
    js.executeScript("window.scrollTo(0,800)");
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//*[@id=\"newsupis2\"]/table/tbody/tr[7]/td/a")).click();
    Thread.sleep(2000);
    assertTrue("https://www.blitz-cinestar-bh.ba/pristanak-za-newsletter", true);
}
```

3.3.3. Test Name: Test search box

Description: By entering a keyword, the user wants to select movies. After entering the word, click on the icon leads to the recommended movies page.

Pre-condition(s): Google Chrome as web driver is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page 2. Enter a keyword in the field (Nebesa) 3. Click on the browser icon 4. Check if the URL of the opened page corresponds to the preferred option	1.homepage link 2." trazilica" URL	The user has the ability to enter words. The user is taken to the correct new page where the movies are selected.	The user has the ability to enter words. The user is taken to the correct new page where the movies are selected.	PASS
Notes:				

```
@Jest
@Order(1)
void testOdaberiKino() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    WebElement ok = webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]"));
    ok.click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]/option[2]")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-sarajevo", true);
    Thread.sleep(1000);

    WebElement ok1 = webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]"));
    ok1.click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]/option[3]")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-mostar", true);
    Thread.sleep(1000);

    WebElement ok2 = webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]"));
    ok2.click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]/option[4]")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-bihac", true);
    Thread.sleep(1000);

    WebElement ok3 = webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]"));
    ok3.click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]/option[5]")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-tuzla", true);
    Thread.sleep(1000);

    WebElement ok4 = webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]"));
    ok4.click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]/option[6]")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-banja-luka", true);
    Thread.sleep(1000);

    WebElement ok5 = webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]"));
    ok5.click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]/option[7]")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-zenica", true);
    Thread.sleep(1000);

    WebElement ok6 = webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]"));
    ok6.click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]/option[8]")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-prijedor", true);
    Thread.sleep(1000);
}
```

3.3.4. Test Name: Test “Odaberi kino” + “Odaberi film” - filtering combination

Description: By clicking, the user can individually select both the movie and the cinema.

Pre-condition(s): Google Chrome as web driver is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page 2. Click on the cinema you want (Sarajevo) 3. Click on the film you want (100% Vuk) 4. Check if the URL of the opened page corresponds to the preferred option	1.homepage link 2. movie URL 3. cinema URL	The user chooses the cinema and the movie of his choice, the selection takes him to the appropriate place.	The user chooses the cinema and the movie of his choice, the selection takes him to the appropriate place.	PASS
Notes: We took a random movie and a cinema because we checked the links individually above.				

```

@Test
@Order(2)
void testOdaberiFilm() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    WebElement of = webDriver.findElement(By.xpath("//*[@id=\"odabirfilmaselct\"]"));
    of.click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirfilmaselct\"]/option[2]")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-bih/100-vuk-sink/7740/20220102", true);
    Thread.sleep(1000);

    WebElement of1 = webDriver.findElement(By.xpath("//*[@id=\"odabirfilmaselct\"]"));
    of1.click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirfilmaselct\"]/option[3]")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-bih/ainbo-dobri-duh-amazone-sink/7561/20220102", true);
    Thread.sleep(1000);

    WebElement of2 = webDriver.findElement(By.xpath("//*[@id=\"odabirfilmaselct\"]"));
    of2.click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirfilmaselct\"]/option[4]")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-bih/avanture-obitelji-bigfoot-sink/7288/20220102", true);
    Thread.sleep(1000);
}

```

3.3.5. Test Name: Test selection of cinema screenings

Description: By choosing a cinema, we will check the formats and days of screenings films.

Pre-condition(s): Google Chrome as web driver is loaded.

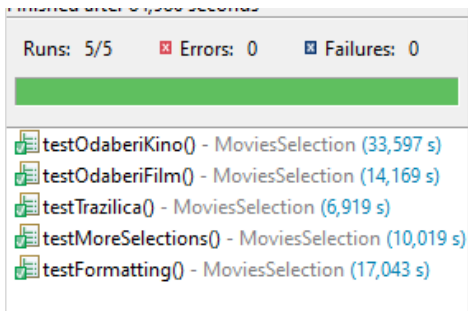
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page 2. Click on random city (Sarajevo) 3. Click and check each days link 4. Click and check select by format 5. Click and check screening time	1.homepage 2.the city URLs 3. the movie URLs	The user can filter movies by days, format or screening time.	The user can filter movies by days, format or screening time.	PASS

Notes:

```

@Test
@Order(3)
void testTrazilica() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(1000);
    webDriver.findElement(By.id("pojam")).click();
    webDriver.findElement(By.id("pojam")).sendKeys("Nebesa");
    Thread.sleep(2000);
    webDriver.findElement(By.cssSelector(".searchbutton")).click();
    Thread.sleep(2000);
}

```

```

@Test
@Order(4)
void testMoreSelections() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    WebElement okina = webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]"));
    okina.click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]/option[2]")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-sarajevo", true);
    Thread.sleep(2000);
    WebElement ofilma = webDriver.findElement(By.xpath("//*[@id=\"odabirfilmaselect\"]"));
    ofilma.click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirfilmaselect\"]/option[2]")).click();
    assertTrue("https://www.blitz-cinestar-bh.ba/cinestar-bih/100-vuk-sink/7740/20220102", true);
    Thread.sleep(1000);
}

```

3.4. Test Scenario: User profile

Description: A user who is not registered and logged in is not able to buy or reserve a ticket. The following tests will prove the functionality of both user registration and login.

3.4.1. Test Name: User registration

Description: It is necessary to check the functionality of all steps during user registration.

Pre-condition(s):

Google Chrome as web driver is loaded.

List of movies link is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the List of movies link 2. Click on "Prijava" button 3. Click on "Registracija" text link 4. Check if the URL of the opened page corresponds to the preferred option 5. Complete the form 6. Click on "Registracija" button	1. "Prijava" button 2. "Registracija" text link	The user fills in the form correctly and creates a profile.	The user fills in the form correctly and creates a profile.	PASS

Notes: It is necessary to confirm the profile by e-mail, but we will not do this to load the CineStar page and to make the code correct during other launches.

```

@Test
@Order(5)
void testFormatting() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id=\"odabirkinaselect\"]/option[2]")).click();
    String links[] = { "NED", "PON", "UTO", "MOJA CINE SRIJEDA", "MET", "PET", "SUB" };
    for (String i : links) {
        webDriver.findElement(By.linkText(i)).click();
    }
    webDriver.findElement(By.xpath("//*[@id=\"formsort\"]/a[1]")).click();
    webDriver.findElement(By.xpath("//*[@id=\"formsort\"]/a[2]")).click();
    Thread.sleep(1000);
}

```

3.4.2. Test Name: User login

Description: Check all the functionalities that we come across when user want to log in

Pre-condition(s):

Google Chrome as web driver is loaded.

List of movies link is loaded.

The user must be registered.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the List of movies link 2. Click on “Prijava” button 3. Click on “User name” and fill in it 4. Click on “Password” and fill in it 5. Click on “Remember login” 6. Click on “Prijava” button	1. List of movies link 2. “Prijava” button	The user fills in the form correctly and log in.	The user fills in the form correctly and log in.	PASS
Notes:				

```
@Test
@Order(1)
void testRegistration() throws InterruptedException {
    webDriver.get("https://karte3.cinestarcinemas.ba/WebTicketNet/Performancelist.aspx");
    webDriver.manage().window().maximize();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id='ctl00_LoginPopup1_btnLoginPop_CD']/span")).click();
    webDriver.findElement(By.xpath("//*[@id='ctl00_LoginPopup1_cpLoginPopup_Login1_rpLogin_lklRegister']/span")).click();
    webDriver.findElement(By.xpath("//*[@id='ctl00_ctl00_cp1_rp_cp1_Register1_txtBenutzername_I']/span")).sendKeys("Adi_Dzumhur");
    webDriver.findElement(By.xpath("//*[@id='ctl00_ctl00_cp1_rp_cp1_Register1_txtPassword_I']/span")).sendKeys("testing123");
    webDriver.findElement(By.xpath("//*[@id='ctl00_ctl00_cp1_rp_cp1_Register1_txtPasswordWdh_I']/span")).sendKeys("testing123");
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//*[@id='ctl00_ctl00_cp1_rp_cp1_Register1_cbAGB_5_D']/span")).click();
    webDriver.findElement(By.xpath("//*[@id='ctl00_ctl00_cp1_rp_cp1_Register1_txtVorname_I']/span")).sendKeys("Adi");
    webDriver.findElement(By.xpath("//*[@id='ctl00_ctl00_cp1_rp_cp1_Register1_txtNachname_I']/span")).sendKeys("Dzumhur");
    webDriver.findElement(By.xpath("//*[@id='ctl00_ctl00_cp1_rp_cp1_Register1_txtOrt_I']/span")).sendKeys("Sarajevo");
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//*[@id='ctl00_ctl00_cp1_rp_cp1_Register1_txtEmail_I']/span")).sendKeys("adidzumhur2000@gmail.com");
    webDriver.findElement(By.xpath("//*[@id='ctl00_ctl00_cp1_rp_cp1_Register1_txtEmailConfirm_I']/span")).sendKeys("adidzumhur2000@gmail.com");
    webDriver.findElement(By.xpath("//*[@id='ctl00_ctl00_cp1_rp_cp1_Register1_deGeburtsdag_I']/span")).sendKeys("04.12.2000.");
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//*[@id='ctl00_ctl00_cp1_rp_cp1_Register1_btnRegistrieren_CD']/span")).click();
    Thread.sleep(2000);
}
```

3.4.3. Test Name: User log out

Description: Check all the functionalities that we come across when user want to log out

Pre-condition(s):

Google Chrome as web driver is loaded.

List of movies link is loaded.

The user must be registered.

The user must be logged in.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the List of movies link 2. Click on "Prijava" button 3. Click on "User name" and fill in it 4. Click on "Password" and fill in it 5. Click on "Prijava" button 6. Click on "Odjava" button	1. List of movies link 2. "Prijava" button 3. "Odjava" button	The user fills in the form correctly, logged in and then log out.	The user fills in the form correctly and logged in, then when it is necessary to press the logout button the test crashes.	FAIL

Notes: Due to the overlap of two texts and buttons, the test fails. Because the manual button does not react on some parts.

Kliford - sink

AVANTURA 97 MIN SAD 2021 WALT BECKER

Kada srednjoškolka Emili Elizabet (Darby Camp) sretne
magičnog spasioca životinja (John Cleese) koji joj poklanja
malu crvenu kucu, ona nije očekivala da će se probuditi i

pronaci ogromnog **Dobrodošli, Selma Vrelo** u svom malom stanu u
Njujorku. Dok je njena samohrana mama (Sienna Guillori)
poslovno ods ...

```
@Test
@Order(2)
void testLogin() throws InterruptedException {
    WebDriver.get("https://karte3.cinestarcinemas.ba/WebTicketNet/Performancelist.aspx");
    WebDriver.manage().window().maximize();
    Thread.sleep(1000);
    WebDriver.findElement(By.xpath("//*[@id='ctl00_LoginPopup1_btnLoginPop_CD']/span")).click();
    WebDriver.findElement(By.xpath("//*[@id='ctl00_LoginPopup1_cpLoginPopup_Login1_rpLogin_UserName_I']").sendKeys("Adi_Dzumhur"));
    WebDriver.findElement(By.xpath("//*[@id='ctl00_LoginPopup1_cpLoginPopup_Login1_rpLogin_Password_I']").sendKeys("testing123"));
    Thread.sleep(2000);
    WebDriver.findElement(By.xpath("//*[@id='ctl00_LoginPopup1_cpLoginPopup_Login1_rpLogin_cbRememberMe_S_D']").click());
    WebDriver.findElement(By.xpath("//*[@id='ctl00_LoginPopup1_cpLoginPopup_Login1_rpLogin_LoginButton_CD']/span")).click();
    Thread.sleep(2000);
}
```

Conclusion:

Runs: 3/3	Errors: 1	Failures: 0
		
testRegistration() - UserProfile (16,758 s)		
testLogin() - UserProfile (10,279 s)		
testLogout() - UserProfile (1,924 s)		

```
@Test
@Order(3)
void testLogout() throws InterruptedException {
    webDriver.get("https://karte3.cinestarcinemas.ba/WebTicketNet/Performancelist.aspx");
    webDriver.manage().window().maximize();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[@id='ctl00_LoginPopup1_btnLoginPop_CD']/span")).click();
    webDriver.findElement(By.xpath("//*[@id='ctl00_LoginPopup1_cpLoginPopup_Login1_rpLogin_UserName_I']")).sendKeys("Adi_Dzumhur");
    webDriver.findElement(By.xpath("//*[@id='ctl00_LoginPopup1_cpLoginPopup_Login1_rpLogin_Password_I']")).sendKeys("testing123");
    webDriver.findElement(By.xpath("//*[@id='ctl00_LoginPopup1_cpLoginPopup_Login1_rpLogin_LoginButton_CD']/span")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//*[@id='ctl00_Logout_btnLogout1_CD']")).click();
    Thread.sleep(2000);
}
```


3.5. Test Scenario: Buy tickets online

Description: The logged user wants to book a seat at the cinema or buy their tickets online.

3.5.1. Test Name: Test “Kupi ulaznicu online” button				
Description: Check if button is clickable and lead to their respective page				
Pre-condition(s): Google Chrome as web driver is loaded.				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page 2. Click on button 3. Check if the URL of the opened page corresponds to the link	1. buy a ticket online links 2. Homepage	The user is taken to the correct new page when clicking on button.	The user is taken to the correct new page when clicking on button.	PASS
Notes:				

```
@Test
@Order(1)
void testBuyButton() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("/html/body/section/div/div/div[2]/div[2]/a/img")).click();
    JavascriptExecutor js = (JavascriptExecutor)webDriver;
    js.executeScript("window.scrollTo(0,300)");
    assertTrue("https://online.cinestarcinemas.ba/", true);
    Thread.sleep(1000);
}
```

3.5.2. Test Name: Test cinemas links				
Description: Check if links are clickable and lead to their respective pages				
Pre-condition(s): Google Chrome as web driver is loaded. Buy a ticket online link is loaded.				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to “Kupi ulaznicu online” page 2. Click on each cinema individually 3. Check if the URLs of the opened page corresponds to the links	1. buy a ticket online link 2. cinemas links	The user is taken to the correct new page when clicking on each links.	The user is taken to the correct new page when clicking on each links.	PASS
Notes:				

```

@Test
@Order(2)
void testCinelinks() throws InterruptedException {
    webDriver.get("https://online.cinestarcinemas.ba/");
    webDriver.manage().window().maximize();
    JavascriptExecutor js = (JavascriptExecutor)webDriver;
    js.executeScript("window.scrollTo(0,300)");
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("/html/body/section/div/div/table/tbody/tr/td/table/tbody/tr[1]/td[3]/ul/li[1]/a")).click();
    assertTrue("https://karte.cinestarcinemas.ba/WebTicketNet/Performancelist.aspx", true);
    Thread.sleep(1000);
    webDriver.navigate().back();

    webDriver.findElement(By.xpath("/html/body/section/div/div/table/tbody/tr/td/table/tbody/tr[1]/td[3]/ul/li[2]/a")).click();
    assertTrue("https://karte.cinestarcinemas.ba/WebTicketNet/Performancelist.aspx", true);
    Thread.sleep(1000);
    webDriver.navigate().back();

    webDriver.findElement(By.xpath("/html/body/section/div/div/table/tbody/tr/td/table/tbody/tr[1]/td[3]/ul/li[3]/a")).click();
    assertTrue("https://karte2.cinestarcinemas.ba/WebTicketNet/Performancelist.aspx", true);
    Thread.sleep(1000);
    webDriver.navigate().back();

    webDriver.findElement(By.xpath("/html/body/section/div/div/table/tbody/tr/td/table/tbody/tr[1]/td[3]/ul/li[4]/a")).click();
    assertTrue("https://karte.cinestarcinemas.ba/WebTicketNet/Performancelist.aspx", true);
    Thread.sleep(1000);
    webDriver.navigate().back();

    webDriver.findElement(By.xpath("/html/body/section/div/div/table/tbody/tr/td/table/tbody/tr[1]/td[3]/ul/li[5]/a")).click();
    assertTrue("https://karte.cinestarcinemas.ba/WebTicketNet/Performancelist.aspx", true);
    Thread.sleep(1000);
    webDriver.navigate().back();

    webDriver.findElement(By.xpath("/html/body/section/div/div/table/tbody/tr/td/table/tbody/tr[1]/td[3]/ul/li[6]/a")).click();
    assertTrue("https://karte3.cinestarcinemas.ba/WebTicketNet/Performancelist.aspx", true);
    Thread.sleep(1000);
    webDriver.navigate().back();

    webDriver.findElement(By.xpath("/html/body/section/div/div/table/tbody/tr/td/table/tbody/tr[1]/td[3]/ul/li[7]/a")).click();
    assertTrue("https://karte2.cinestarcinemas.ba/WebTicketNet/Performancelist.aspx", true);
    Thread.sleep(1000);
    webDriver.navigate().back();
}

```

3.5.3. Test Name: Ticket reservation

Description: We will go through all the steps of booking a random movie, except for the final step when we confirm our reservation so as not to harm anyone.

Pre-condition(s): Google Chrome as web driver is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page 2. Click on “Kupi ulaznicu online” button 3. Click on random cinema (CineStar 4DX Sarajevo) 4. Select the projection date from the drop-down menu 5. Select the screening time of the selected movie(Vrisak) 6. Make sure you're on the selected page 7. Select the number of seats (two in this case) 8. Click on “Rezervisati” radio button 9. Click on the "Nastavi" button 10. Check Url 11. Click on “Odjava”	1.homepage 2. “Kupi ulaznicu online” button 3. CineStar 4DX Sarajevo link 4. “Vrisak” movie link	The user successfully reserves their seats.	The user successfully reserves their seats.	PASS

Notes: The code would definitely not pass if it was run after the date we chose the projection, because the page is updated daily.

```
@Test
@Order(3)
void testReservation() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    webDriver.findElement(By.xpath("//html/body/section/div/div/div[2]/div[2]/a/img")).click();
    webDriver.findElement(By.xpath("//html/body/section/div/div/table/tbody/tr/td/table/tbody/tr[1]/td[3]/ul/li[6]/a")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div[1]/form/div[4]/table/tbody/tr/td/div[1]/div[1]/table/tbody/tr/td[3]/table/tbody/tr/td[2]/table[2]/tbody/tr/td[3]")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[id='ctl00_cp1_PerformanceList1_grd_PagerBarT_cmbDateSelect_000_L_L81610']")).click();
    JavascriptExecutor js = (JavascriptExecutor) webDriver;
    js.executeScript("window.scrollTo(0,300)");
    Thread.sleep(1000);
    webDriver.findElement(By.linkText("19:15")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//*[id='ctl00_ctl00_cp1_rp_cp1_rp2_rblAction_R80_I_D']")).click();
    Thread.sleep(2000);
    WebElement two = webDriver.findElement(By.xpath("//*[id='ctl00_ctl00_cp1_rp_cp1_rpTS_TicketSelector2_grdTS_cell0_1_setTicket_B-2Img']"));
    two.click();
    Thread.sleep(2000);
    JavascriptExecutor js1 = (JavascriptExecutor) webDriver;
    js1.executeScript("window.scrollTo(0,1000)");
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[id='ctl00_ctl00_cp1_rp_cp1_btnAddToShoppingCart_CD']/span")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//*[id='ctl00_ctl00_cp1_rp_cp1_login2_rpLogin_UserName_I']")).sendKeys("Adi_Dzumhur");
    webDriver.findElement(By.xpath("//*[id='ctl00_ctl00_cp1_rp_cp1_login2_rpLogin_Password_I']")).sendKeys("testing123");
    webDriver.findElement(By.xpath("//*[id='ctl00_ctl00_cp1_rp_cp1_login2_rpLogin_LoginButton_CD']/span")).click();
    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
    WebElement waitt = wait.until(
        ExpectedConditions.visibilityOfElementLocated(
            By.xpath("//*[id='ctl00_ctl00_cp1_rp_lblContentTitle']"));
    Thread.sleep(5000);
    assertTrue("https://karte3.cinestarcinemas.ba/WebTicketNet/shoppingcart.aspx", true);
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//*[id='ctl00_ctl00_Logout_btnLogout1']")).click();
}
```

3.5.4. Test Name: Buying tickets

Description: We will go through all the steps of buying a ticket for a random movie, except for the final step when we confirm our reservation so as not to harm anyone.

Pre-condition(s): Google Chrome as web driver is loaded.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to the BaseUrl page 2. Click on “Kupi ulaznicu online” button 3. Click on random cinema (CineStar 4DX Sarajevo) 4. Select the projection date from the drop-down menu 5. Select the screening time of the selected movie(Vrisak) 6. Make sure you're on the selected page 7. Select the number of seats (one seat) 9. Click on the "Nastavi" button 11. Check Url 12. Click on “Odjava”	1.homepage 2. “Kupi ulaznicu online” button 3. CineStar 4DX Sarajevo link 4. “Vrisak” movie link	The user successfully bought their seats.	The user successfully bought their seats.	PASS





1000

```

@Test
@Order(4)
void testKuponovina() throws InterruptedException {
    WebDriver.get(baseUrl);
    WebDriver.manage().window().maximize();
    WebDriver.findElement(By.xpath("/html/body/section/div/div/div[2]/div[2]/a/img")).click();
    WebDriver.findElement(By.xpath("/html/body/section/div/div/table/tbody/tr/td/table/tbody/tr[1]/td[3]/ul/li[6]/a")).click();
    Thread.sleep(1000);
    WebDriver.findElement(By.xpath("/html/body/div[1]/form/div[4]/table/tbody/tr/td/div[1]/div[1]/table/tbody/tr/td[3]/table/tbody/tr/td[2]/table[2]/tbody/tr/td[3]")).click();
    Thread.sleep(1000);
    WebDriver.findElement(By.xpath("/*[@id='ctl00_cp1_PerformanceList1_grd_PageBarT_cmbDateSelect_D00_L_LBI610']")).click();
    JavascriptExecutor js = (JavascriptExecutor)webDriver;
    js.executeScript("window.scrollTo(0,300)");
    Thread.sleep(1000);
    WebDriver.findElement(By.xpath("/*[@id='ctl00_cp1_PerformanceList1_grd_DXDataRow1']/td[2]/div/div[2]/a")).click();
    Thread.sleep(1000);
    WebDriver.findElement(By.xpath("/*[@id='ctl00_ctl00_cp1_rp_cp1_rpTS_TicketSelector2_grdTS_cell0_1_seTicket_B-2Img']")).click();
    Thread.sleep(1000);
    JavascriptExecutor js1 = (JavascriptExecutor)webDriver;
    js1.executeScript("window.scrollTo(0,1000)");
    Thread.sleep(1000);
    WebDriver.findElement(By.xpath("/*[@id='ctl00_ctl00_cp1_rp_cp1_btnAddToShoppingCart_CD']/span")).click();
    Thread.sleep(1000);
    WebDriver.findElement(By.xpath("/*[@id='ctl00_ctl00_cp1_rp_cp1_Login2_rpLogin_UserName_I']")).sendKeys("Adif_Dzumhur");
    WebDriver.findElement(By.xpath("/*[@id='ctl00_ctl00_cp1_rp_cp1_Login2_rpLogin_Password_I']")).sendKeys("testing123");
    WebDriver.findElement(By.xpath("/*[@id='ctl00_ctl00_cp1_rp_cp1_Login2_rpLogin_LoginButton_CD']/span")).click();
    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(10));
    WebElement waitt = wait.until(
        ExpectedConditions.visibilityOfElementLocated(
            By.xpath("/*[@id='ctl00_ctl00_cp1_rp_lblContentTitle']")));
    Thread.sleep(5000);
    assertTrue("https://karte3.cinestarcinemas.ba/webticketnet/shoppingcart.aspx", true);
    Thread.sleep(2000);
    WebDriver.findElement(By.xpath("/*[@id='ctl00_ctl00_Logout_btnLogout1_CD']/span")).click();
}

```

Runs: 4/4 ✖ Errors: 0 ✖ Failures: 0

	testBuyButton() - BuyTicketsOnline (18,290 s)
	testCineLinks() - BuyTicketsOnline (37,660 s)
	testReservation() - BuyTicketsOnline (34,075 s)
	testKupovina() - BuyTicketsOnline (28,551 s)

4. Conclusion

4.1. Testing Summary

Testing Tool	Total Tests	Passed Tests	Failed Tests
the Selenium framework for Java, and contained within JUnit test cases	22 test cases	21 passed test	1 failed test LogOut

4.2. Final Thoughts

During the execution of the testing plan, I concluded that this site is not very suitable for this project. It has great features that have been testing material for me. I would point out the registration, login, subscription, as well as their opposite operations. Although, as a flaw and why I think the site is not suitable, I would single out the daily updates. If some parts of the code are run after a certain period, errors may occur.

Since some functionalities are repeated, e.g. you can test that a link from every movie will lead you to buy or book tickets, and then testing every link to a movie in all cinemas in BiH, I think it was superfluous. I singled out one copy each or tersed only a few in a row.

All in all, I am satisfied with my work and tests, but also with the website. Only one test fails and the only thing I found was manual testing. The greeting message after registration, the logout button and a short description of the film overlap. If you want to log out, the button accepts clicking only on the far right.