SOFTWARE VERIFICATION, VALIDATION AND TESTING

TESTING DOCUMENTATION

PROJECT NAME

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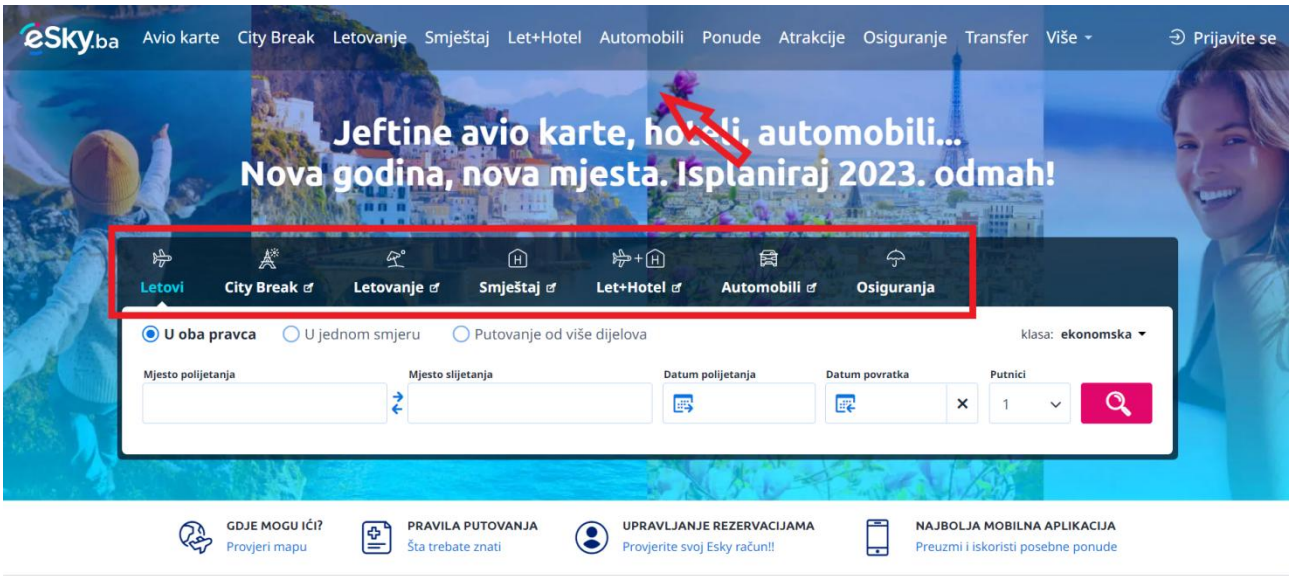
1. Introduction

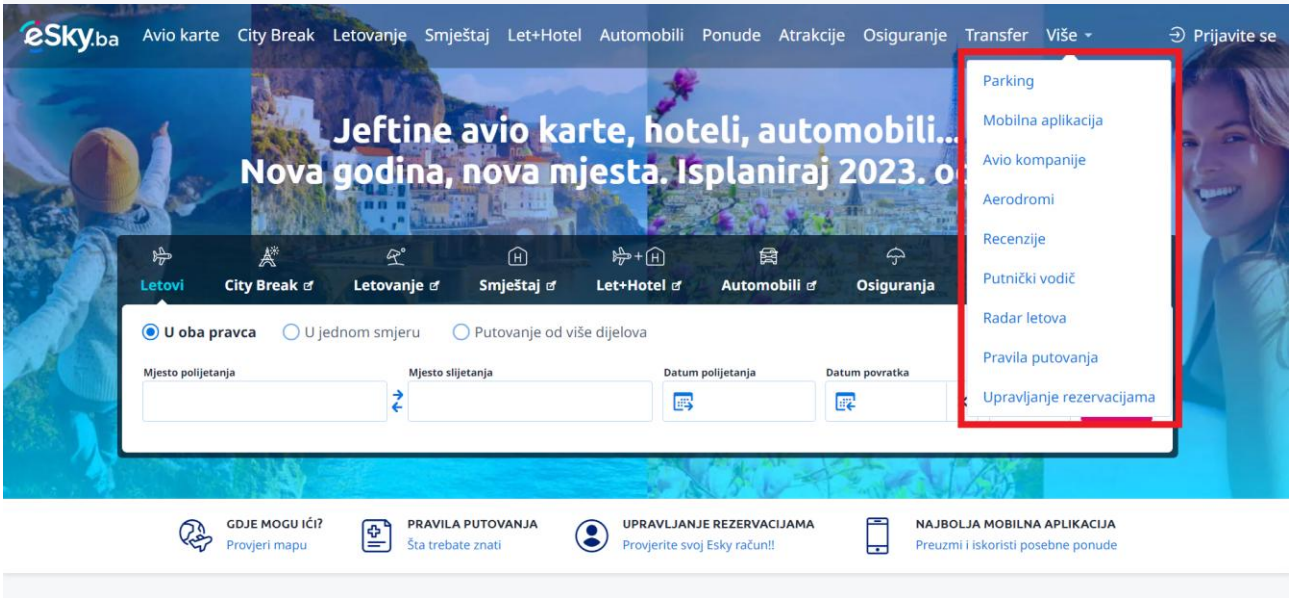
1.1. About the Project

For this project, we chose https://www.esky.ba/ website. eSky is a website where you can easily manage your bookings - including flights and hotels, rent a car, manage insurance for these and so on.

1.2. Project Functionalities and Screenshots

In the pictures below, red squares mark the parts of the page where the main features of the website are located, such as options for booking flights, vacations, hotels, short trips, insurance or car rental in the necessary places.





And we will be focused mostly on this parts while testing.

2. Test Plan

2.1. Scope

As it was shown before, during this project we did not test the entire site, but only its most important features in a couple of different ways, such as different reservations, filling out forms, testing invalid input**s** in a couple of places and so on**. Some parts of the tests, like clicking the submit button, clicking the button to submit a form or application, comments, we did not cover, because we did not want to spam the platform with constant requests.**

2.2. Testing Environment and Tools

We have used Selenium version 4.6.0 and JUnit version 11. Selenium is an open-source framework for automating web browsers. It allows users to write scripts in multiple programming languages to interact with web browsers, simulating user actions such as clicking buttons and filling out forms. JUnit is a widely used testing framework for Java applications. It allows developers to write repeatable, automated tests for their code. Together, Selenium and JUnit can be used to automate the testing of web applications, by using Selenium to simulate user actions on the front-end, and JUnit to write tests for the back-end.

3. Test Execution

The following features are tested:

- Login
- Profile info
- App
- Reviews
- Search accommodation
- Search flight+hotel
- Search rent a car
- Search insurance
- Search flight
- Search City Break
- Search vacationing
- Offers
- Invalid input
- Social media links
- Questions

3.1. Login test

The user that has already created the account, can login whenever needed. This feature provides the ability to see the previous reservations, to save time when filling out forms that already have been filled in previous cases and similar.

Test Name: testLogin				
Description: Test to sample account				
Pre-condition(s): Users is already registered				
Test Steps: 1. Go to the landing page and click on the 'Apply button 2. Choose the way of login 3. Enter the mail and password 4. Click on the Login button	**Test Data:** • Email • Password	**Expected Result:** To successfully login to the account and navigate to the home page.	**Actual Result:** The user is successfully logged in and redirected to the home page.	**Status:** PASS
Notes: We used login through email (not through google or facebook account).				

Here is the screenshot of the code for this test:

```
*testLogin.java ×
29
30●     @Test
31      void test() throws InterruptedException {
32          webDriver.get(baseUrl);
33          webDriver.manage().window().maximize();
34          Thread.sleep(2000);
35
36          WebElement login = webDriver.findElement(By.xpath("/html/body/header/div/div[2]/div[1]/div/p/span/span"));
37          login.click();
38          Thread.sleep(2000);
39
40
41          WebElement tmail = webDriver.findElement(By.cssSelector(".user-zone-email > .menu-item-text"));
42          tmail.click();
43          Thread.sleep(5000);
44
45          WebElement mail = webDriver.findElement(By.cssSelector("body > app-root > login-component > content-simple > div > login-box > div > esky-login-box > esky-
46          mail.click();
47          mail.sendKeys("janedoe.selenium@gmail.com");
48          Thread.sleep(1000);
49
50          WebElement password = webDriver.findElement(By.xpath("/html/body/app-root/login-component/content-simple/div/login-box/div/esky-login-box/esky-form/form/es
51          password.click();
52          password.sendKeys("janedoe");
53          Thread.sleep(1000);
54
55          WebElement prijavi = webDriver.findElement(By.xpath("/html/body/app-root/login-component/content-simple/div/login-box/div/esky-login-box/esky-form/form/di
56          prijavi.click();
57          Thread.sleep(5000);
58
59          String account = webDriver.findElement(By.xpath("/html/body/header/div/div[2]/div[1]/div/p/span/span")).getText();
60          assertEquals("janedoe.selenium", account);
61
62      }
```

3.2. Profile info edit test

The user that has already created the account, but there are some additional information that could be added in order to make reservations easier.

Test Name: testProfileInfo				
Description: Filling out additional info				
Pre-condition(s): Users is already logged in				
Test Steps: 1. Go to the landing page and click on the 'More button 2. Click on 'Customer data' button 3. Click on 'Enter your data' 4. Fill out form 5. Click on save to save your info	**Test Data:** • Customer type • Name • Surname • Country • Postal number • City • Street • Number of house	**Expected Result:** To successfully save additional info about user.	**Actual Result:** Data successfully saved.	**Status:** PASS
Notes: /				

Here is the screenshot of the code for this test:

testProfileInfo.java

```
31●  @Test
32   void test() throws InterruptedException {
33       webDriver.get(baseUrl);
34       webDriver.manage().window().maximize();
35       Thread.sleep(2000);
36
37       WebElement login = webDriver.findElement(By.xpath("/html/body/header/div/div[2]/div[1]/div/p/span/span"));
38       login.click();
39       Thread.sleep(2000);
40
41       WebElement tmail = webDriver.findElement(By.cssSelector(".user-zone-email > .menu-item-text"));
42       tmail.click();
43       Thread.sleep(5000);
44
45       WebElement mail = webDriver.findElement(By.cssSelector("body > app-root > login-component > content-simple > div > login-box > div > esky-login-box > esky
46       mail.click();
47       mail.sendKeys("janedoe.selenium@gmail.com");
48       Thread.sleep(1000);
49
50       WebElement password = webDriver.findElement(By.xpath("/html/body/app-root/login-component/content-simple/div/login-box/div/esky-login-box/esky-form/form/
51       password.click();
52       password.sendKeys("janedoe");
53       Thread.sleep(1000);
54
55       WebElement prijavi = webDriver.findElement(By.xpath("/html/body/app-root/login-component/content-simple/div/login-box/div/esky-login-box/esky-form/form/d
56       prijavi.click();
57       Thread.sleep(5000);
58
59       WebElement account = webDriver.findElement(By.xpath("/html/body/header/div/div[2]/div[1]/div/p/span/span"));
60       account.click();
61
62       webDriver.findElement(By.linkText("Podaci o kupcu")).click();
63       Thread.sleep(5000);
64
65       webDriver.findElement(By.xpath("/html/body/app-root/ng-component/ps-stripped-hybrid-layout/content-without-sidebar-v2/div/div/div/div/main/div[2]/ps-conta
66       Thread.sleep(2000);
```

```
        Thread.sleep(2000);

        WebElement ime = webDriver.findElement(By.xpath("/html/body/app-root/ng-component/ps-stripped-hybrid-layout/content-without-sidebar-v2/div/div/div/div/ma
        ime.click();
        ime.sendKeys("Jane");
        Thread.sleep(1000);

        WebElement prezime = webDriver.findElement(By.xpath("/html/body/app-root/ng-component/ps-stripped-hybrid-layout/content-without-sidebar-v2/div/div/div/di
        prezime.click();
        prezime.sendKeys("Doe");
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/app-root/ng-component/ps-stripped-hybrid-layout/content-without-sidebar-v2/div/div/div/div/main/div[2]/ps-conta
        Select država = new Select(webDriver.findElement(By.xpath("/html/body/app-root/ng-component/ps-stripped-hybrid-layout/content-without-sidebar-v2/div/div/
        država.selectByValue("BR");
        Thread.sleep(1000);

        WebElement pbroj = webDriver.findElement(By.xpath("/html/body/app-root/ng-component/ps-stripped-hybrid-layout/content-without-sidebar-v2/div/div/div/div/
        pbroj.click();
        pbroj.sendKeys("01001");
        Thread.sleep(1000);

        WebElement grad = webDriver.findElement(By.xpath("/html/body/app-root/ng-component/ps-stripped-hybrid-layout/content-without-sidebar-v2/div/div/div/div/ma
        grad.click();
        grad.sendKeys("Sao Paolo");
        Thread.sleep(1000);

        WebElement spasi = webDriver.findElement(By.xpath("/html/body/app-root/ng-component/ps-stripped-hybrid-layout/content-without-sidebar-v2/div/div/div/div/
        spasi.click();
        Thread.sleep(5000);



    }
```

3.3. Links for eSky app

Users are provided with links for platforms where they can download and install eSky app.

Test Name: testApp				
Description: Purpose is just to test if the links works as they should and lead to proper sites where you could download the app.				
Pre-condition(s): No specific pre-conditions				
Test Steps: 1. Go to the landing page and click on the 'More button 2. Click on 'Mobile app' button 3. On next page, choose link for app on Google 4. Check if on right page	**Test Data:** • No	**Expected Result:** To successfully check if the links works the way they should.	**Actual Result:** Links works the way they should.	**Status:** PASS
Notes: For the purpose of test, there was no need to click on 'Install'				

Here is the screenshot of the code for this test:

```java
testApp.java
        webDriver.quit();
    }

    @Test
    void test() throws InterruptedException {
        webDriver.get(baseUrl);
        webDriver.manage().window().maximize();
        Thread.sleep(2000);

        WebElement više = webDriver.findElement(By.xpath("/html/body/header/div/nav/ul/li[20]/a"));
        više.click();
        Thread.sleep(1000);

        WebElement mobilna  = webDriver.findElement(By.cssSelector("#main-menu-more-box > li:nth-child(2) > a"));
        mobilna.click();
        Thread.sleep(10000);

        for (String handle : webDriver.getWindowHandles()) {
            webDriver.switchTo().window(handle);
        }

        WebElement googleplay  = webDriver.findElement(By.xpath("/html/body/div[4]/div/div[2]/div/div/div/div/div/div/div[2]/div/div[1]/div/div/div/div/div[4]/div/
        googleplay.click();
        Thread.sleep(5000);

        for (String handle1 : webDriver.getWindowHandles()) {
            webDriver.switchTo().window(handle1);
        }

        String naslov = webDriver.findElement(By.cssSelector("#yDmH0d > c-wiz.SSPGKf.Czez9d > div > div > div.tU8Y5c > div.P9KVBf > div > div > c-wiz > div.hnnXjf.
        assertTrue(naslov.contains("eSky"));


    }
```

3.4. Reviews

Users can leave reviews on various company as well as the look at others reviews on various companies.

Test Name: testRecenzije				
Description: Going through few filters and sorting criteria to serach for reviews and evaluate it.				
Pre-condition(s): User need to be logged in.				
Test Steps: 1. Go to the landing page and click on the 'More button 2. Click on 'Review' button 3. Click on 'LOT' flight company 4. Choose 'Excellent' grade 5. Choose 'Most helpful' sorting criteria 6. View details on first review 7. Mark as useful	**Test Data:** • Grade • Sorting criteria	**Expected Result:** To successfully check if reviews and all filters on reviews works.	**Actual Result:** Successful	**Status:** PASS
Notes: There is a little problem with this code, sometimes for no reason test fails.				

Here is the screenshot of the code for this test:

```java
testRecenzije.java

    @Test
    void test() throws InterruptedException {
        webDriver.get(baseUrl);
        webDriver.manage().window().maximize();
        Thread.sleep(2000);

        webDriver.findElement(By.linkText("Više")).click();
        webDriver.findElement(By.linkText("Recenzije")).click();

        for (String handle1 : webDriver.getWindowHandles()) {
            webDriver.switchTo().window(handle1);
        }
        Thread.sleep(5000);

//      JavascriptExecutor js = (JavascriptExecutor) webDriver;
//      js.executeScript("window.scrollBy(0,400)", "");
        Thread.sleep(2000);
        webDriver.findElement(By.linkText("LOT")).click();
        Thread.sleep(2000);

//      js.executeScript("window.scrollBy(0,400)", "");
        webDriver.findElement(By.linkText("Ocjena")).click();
        webDriver.findElement(By.id("ReviewsRating_opt_excellent")).click();
        Thread.sleep(2000);

        webDriver.findElement(By.linkText("Sortirajte od")).click();
        webDriver.findElement(By.id("ReviewsSort_opt_mostHelpful")).click();
        Thread.sleep(2000);

        webDriver.findElement(By.cssSelector("body > div.site-content.container > div.reviews-container > ul > li:nth-child(1) > div.info-review > div.review-head
        Thread.sleep(2000);

        webDriver.findElement(By.cssSelector("body > div.site-content.container > div.reviews-container > ul > li:nth-child(1) > div.info-review > div.review-foote
        Thread.sleep(2000);
    }
```

3.5. Flight

Users can search for and purchase tickets for flight with all desired details about it.

Test Name: testLet				
Description: Searching for flight, testing various filters and data inputs				
Pre-condition(s): No specific pre-conditions				
Test Steps: 1. Go to the landing page and click on the 'Flight' button 2. Choose random filters and data 3. Click on 'Search' button	**Test Data:** • Filters • Departure • Landing • Date • Passengers	**Expected Result:** To successfully search for desired flight.	**Actual Result:** Successful	**Status:** PASS
Notes: To purchase, you need to be logged in or to log in in place.				

Here is the screenshot of the code for this test:

```java
testLet.java
    @Test
    void test() throws InterruptedException {
        webDriver.get(esky);
        assertEquals("https://www.esky.ba/", esky);
        WebElement uobapravca = webDriver.findElement(By.xpath("//*[@id=\"TripTypeRoundtrip\"]"));
        uobapravca.click();

        WebElement mjestopolijetanja = webDriver.findElement(By.xpath("//*[@id=\"departureRoundtrip0\"]"));
        mjestopolijetanja.sendKeys("Sarajevo, Sarajevo Intl Airport, Federation of Bosnia and Herzegovina, Bosna i Hercegovina (SJJ)");
        WebElement mjestoslijetanja = webDriver.findElement(By.xpath("//*[@id=\"arrivalRoundtrip0\"]"));
        mjestoslijetanja.sendKeys("Beč, Schwechat, Vienna, Austrija (VIE)");
        Thread.sleep(1000);

        WebElement datumpolijetanja = webDriver.findElement(By.xpath("//*[@id=\"departureDateRoundtrip0\"]"));
        datumpolijetanja.click();
        Thread.sleep(1000);

        WebElement Januar = webDriver.findElement(By.xpath("//*[@id=\"ui-datepicker-div\"]/div/div/span[1]"));
        String Text = Januar.getText();
        assertEquals("Januar", Text);

        Thread.sleep(1000);
        WebElement Jan26 = webDriver.findElement(By.xpath("//*[@id=\"ui-datepicker-div\"]/table/tbody/tr[5]/td[4]/a"));
        Jan26.click();
        Thread.sleep(1000);

        WebElement datumpovratka = webDriver.findElement(By.xpath("//*[@id=\"departureDateRoundtrip1\"]"));
        datumpovratka.click();
        Thread.sleep(1000);

        WebElement mjesecunaprijed = webDriver.findElement(By.xpath("//*[@id=\"ui-datepicker-div\"]/div/a[2]/span"));
        mjesecunaprijed.click();
        Thread.sleep(1000);

        WebElement Februar = webDriver.findElement(By.xpath("//*[@id=\"ui-datepicker-div\"]/div/div/span[1]"));
        String Februarnaslov = Februar.getText();
        assertEquals("Februar", Februarnaslov);
```

```java
        String Text = Januar.getText();
        assertEquals("Januar", Text);

        Thread.sleep(1000);
        WebElement Jan26 = webDriver.findElement(By.xpath("//*[@id=\"ui-datepicker-div\"]/table/tbody/tr[5]/td[4]/a"));
        Jan26.click();
        Thread.sleep(1000);

        WebElement datumpovratka = webDriver.findElement(By.xpath("//*[@id=\"departureDateRoundtrip1\"]"));
        datumpovratka.click();
        Thread.sleep(1000);

        WebElement mjesecunaprijed = webDriver.findElement(By.xpath("//*[@id=\"ui-datepicker-div\"]/div/a[2]/span"));
        mjesecunaprijed.click();
        Thread.sleep(1000);

        WebElement Februar = webDriver.findElement(By.xpath("//*[@id=\"ui-datepicker-div\"]/div/div/span[1]"));
        String Februarnaslov = Februar.getText();
        assertEquals("Februar", Februarnaslov);
        WebElement Feb8 = webDriver.findElement(By.xpath("//*[@id=\"ui-datepicker-div\"]/table/tbody/tr[2]/td[3]/a"));
        Feb8.click();
        Thread.sleep(1000);

        Thread.sleep(2000);
        webDriver.findElement(By.cssSelector(".pax-widget")).click();
        Thread.sleep(2000);
        webDriver.findElement(By.cssSelector(".adult .plus")).click();
        Thread.sleep(2000);


        WebElement search = webDriver.findElement(By.xpath("//*[@id=\"multiQsfFlights\"]/form/section[2]/div[2]/fieldset[2]/button"));
        search.click();
        Thread.sleep(10000);
    }
```

3.6. CityBreak

Users can search for and make reservation on short quick trips.

Test Name: testCityBreak				
Description: Searching for city break, testing various filters and data inputs				
Pre-condition(s): No specific pre-conditions				
Test Steps: 1. Go to the landing page and click on the 'City Break' button 2. Choose random filters and data 3. Click on 'Search' button	**Test Data:** • Departure • Destination • Date • Length • Passengers • Rooms	**Expected Result:** To successfully search for desired city break.	**Actual Result:** Successful	**Status:** PASS
Notes: To purchase, you need to be logged in or to log in in place.				

Here is the screenshot of the code for this test:

testCityBreak.java

```java
    @Test
    void test() throws InterruptedException {
        webDriver.get(esky);

        WebElement CityBreak = webDriver.findElement(By.xpath("//*[@id=\"multiQsf\"]/div[1]/div[3]/div/div[2]/a"));
        CityBreak.click();
        Thread.sleep(2000);

        WebElement TextCityBreak = webDriver.findElement(By.xpath("/html/body/jan-app/jan-landing-page/jan-portfolio-hero/esky-landing-page-header/esky-hero/h1"));
        String Slogan = TextCityBreak.getText();
        assertEquals("Kratko putovanje kakvo ti treba!", Slogan);
        WebElement PolazakIz = webDriver.findElement(By.xpath("//*[@id=\"departures\"]"));
        PolazakIz.click();
        Thread.sleep(1000);

        webDriver.findElement(By.cssSelector(".spacing:nth-child(2) > .place")).click();
        Thread.sleep(1000);

        WebElement OdaberiButton = webDriver.findElement(By.xpath("/html/body/jan-app/jan-landing-page/jan-portfolio-hero/esky-landing-page-header/esky-hero/div[2
        OdaberiButton.click();
       // Thread.sleep(1000);

        WebElement Destinacije = webDriver.findElement(By.xpath("//*[@id=\"destinations\"]"));
        Destinacije.click();
        WebElement Italijabutton = webDriver.findElement(By.xpath("/html/body/jan-app/jan-landing-page/jan-portfolio-hero/esky-landing-page-header/esky-hero/div[2
        Italijabutton.click();
        //Thread.sleep(1000);

        WebElement buttonsearch = webDriver.findElement(By.xpath("/html/body/jan-app/jan-landing-page/jan-portfolio-hero/esky-landing-page-header/esky-hero/div[2
        buttonsearch.click();

        WebElement Datumpolaska = webDriver.findElement(By.xpath("//*[@id=\"range-start\"]"));
        Datumpolaska.click();

        WebElement Datum26 = webDriver.findElement(By.xpath("/html/body/jan-app/jan-landing-page/jan-portfolio-hero/esky-landing-page-header/esky-hero/div[2]/jan-
        Datum26.click();
```

```java
        WebElement Datum26 = webDriver.findElement(By.xpath("/html/body/jan-app/jan-landing-page/jan-portfolio-hero/esky-landing-page-header/esky-hero/div[2]/jan-
        Datum26.click();
        Thread.sleep(2000);

        WebElement Izaberitebutton = webDriver.findElement(By.xpath("/html/body/jan-app/jan-landing-page/jan-portfolio-hero/esky-landing-page-header/esky-hero/di
        Izaberitebutton.click();
        Thread.sleep(2000);

        WebElement Pretraga = webDriver.findElement(By.xpath("/html/body/jan-app/jan-landing-page/jan-portfolio-hero/esky-landing-page-header/esky-hero/div[2]/jan
        Pretraga.click();
        Thread.sleep(3000);

        String Url = webDriver.getCurrentUrl();
        assertTrue(Url.contains("citybreak"));

        WebElement sortiranje = webDriver.findElement(By.xpath("/html/body/jan-app/jan-portfolio/esky-search-results-layout/div/div[2]/esky-search-results-layout-
        sortiranje.click();

        WebElement odnajmanje = webDriver.findElement(By.xpath("/html/body/jan-app/jan-portfolio/esky-search-results-layout/div/div[2]/esky-search-results-layout-
        odnajmanje.click();
        Thread.sleep(2000);

        JavascriptExecutor js = (JavascriptExecutor) webDriver;
        js.executeScript("window.scrollBy(0,3800)");
        Thread.sleep(2000);

        WebElement WebCz = webDriver.findElement(By.xpath("/html/body/jan-app/jan-portfolio/esky-footer/div[2]/div/ul/li[7]/a"));
        WebCz.click();
       Thread.sleep(5000);
    //  WebElement Prijava = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/div[2]/div/form/section[2]/div[1]/div[1]/fieldset[1]/div[1]/label"));
    //  String Odkud = Prijava.getText();
    //  assertEquals("Odkud", Odkud);
    //  Thread.sleep(3000);

    }
```

3.7. Vacationing

Users can search for and make reservation on vacationing deals.

Test Name: testLjetovanje				
Description: Searching for vacation, testing various filters and data inputs				
Pre-condition(s): No specific pre-conditions				
Test Steps: 1. Go to the landing page and click on the 'Vacationing' button 2. Choose random filters and data 3. Click on 'Search' button	**Test Data:** • Departure • Destination • Date • Length • Passengers • Rooms	**Expected Result:** To successfully search for desired vacation.	**Actual Result:** Successful	**Status:** PASS
Notes: To purchase, you need to be logged in or to log in in place.				

Here is the screenshot of the code for this test:

```
testLjetovanje.java ×
31●     @Test
32      void test() throws InterruptedException {
33          webDriver.get(esky);
34          assertEquals("https://www.esky.ba/", esky);
35          WebElement Ljetovanje = webDriver.findElement(By.xpath("//*[@id=\"header-top\"]/div/nav/ul/li[3]/a"));
36          Ljetovanje.click();
37          Thread.sleep(2000);
38          String Url = webDriver.getCurrentUrl();
39          assertEquals("https://www.esky.ba/let+hotel/portfolio/lp?contextId=ba-holidays", Url);
40          webDriver.navigate().back();
41          Thread.sleep(2000);
42          String UrlPocetna = webDriver.getCurrentUrl();
43          assertEquals("https://www.esky.ba/",UrlPocetna);
44          webDriver.navigate().forward();
45          Thread.sleep(2000);
46          webDriver.findElement(By.xpath(" /html/body/jan-app/jan-landing-page/jan-landing-page-content/div/div[2]/jan-destinations-offers-grid/esky-offers-grid/div
47          Thread.sleep(1000);
48          webDriver.findElement(By.xpath("  /html/body/jan-app/jan-landing-page/jan-landing-page-content/div/div[2]/jan-destinations-offers-grid/esky-offer-details/
49          Thread.sleep(20000);
50
51          webDriver.findElement(By.xpath(" /html/body/jan-app/jan-search-results/esky-search-results-layout/div/div[1]/esky-search-results-layout-side/esky-filters-
52          Thread.sleep(6000);
53          webDriver.findElement(By.xpath(" /html/body/jan-app/jan-search-results/esky-search-results-layout/div/div[1]/esky-search-results-layout-side/esky-filters-
54          Thread.sleep(2000);
55          webDriver.findElement(By.xpath("//*[@id=\"min\"]")).sendKeys("151");
56          Thread.sleep(1000);
57          webDriver.findElement(By.xpath("//*[@id=\"max\"]")).sendKeys("3030");
58          Thread.sleep(2000);
59          WebElement direktanlet = webDriver.findElement(By.xpath("/html/body/jan-app/jan-search-results/esky-search-results-layout/div/div[1]/esky-search-results-
60          direktanlet.click();
61          Thread.sleep(2000);
62          WebElement dorucak = webDriver.findElement(By.xpath("/html/body/jan-app/jan-search-results/esky-search-results-layout/div/div[1]/esky-search-results-layou
63          dorucak.click();
64          JavascriptExecutor js = (JavascriptExecutor) webDriver;
65          js.executeScript("window.scrollBy(0,300)");
66          Thread.sleep(3000);
67          WebElement brojzvjezdica = webDriver.findElement(By.xpath("/html/body/jan-app/jan-search-results/esky-search-results-layout/div/div[1]/esky-search-results
```

```
67          WebElement brojzvjezdica = webDriver.findElement(By.xpath("/html/body/jan-app/jan-search-results/esky-search-results-layout/div/div[1]/esky-search-resulti
68          brojzvjezdica.click();
69          js.executeScript("window.scrollBy(0,600)");
70          Thread.sleep(2000);
71          WebElement ocjenagostijuup = webDriver.findElement(By.xpath("/html/body/jan-app/jan-search-results/esky-search-results-layout/div/div[1]/esky-search-resul
72          ocjenagostijuup.click();
73          js.executeScript("window.scrollBy(0,150)");
74          Thread.sleep(3000);
75
76          WebElement porodica = webDriver.findElement(By.xpath("/html/body/jan-app/jan-search-results/esky-search-results-layout/div/div[1]/esky-search-results-layo
77          porodica.click();
78          js.executeScript("window.scrollBy(0,300)");
79          Thread.sleep(3000);
80          WebElement pristupinternetu = webDriver.findElement(By.xpath("/html/body/jan-app/jan-search-results/esky-search-results-layout/div/div[1]/esky-search-resu
81          pristupinternetu.click();
82          js.executeScript("window.scrollBy(0,400)");
83          Thread.sleep(2000);
84          WebElement kucniljubimci = webDriver.findElement(By.xpath("/html/body/jan-app/jan-search-results/esky-search-results-layout/div/div[1]/esky-search-results
85          kucniljubimci.click();
86          js.executeScript("window.scrollBy(0,500)");
87          Thread.sleep(2000);
88          WebElement kada = webDriver.findElement(By.xpath("/html/body/jan-app/jan-search-results/esky-search-results-layout/div/div[1]/esky-search-results-layout-s
89          kada.click();
90          Thread.sleep(2000);
91          WebElement dostupneaktivnosti = webDriver.findElement(By.xpath("/html/body/jan-app/jan-search-results/esky-search-results-layout/div/div[1]/esky-search-re
92          dostupneaktivnosti.click();
93          Thread.sleep(3000);
94
95          WebElement HotelKing = webDriver.findElement(By.cssSelector("#\\31 06805 > esky-offer-block > div > div.right > div > esky-price-info > div:nth-child(2) >
96          HotelKing.click();
97          Thread.sleep(8000);
98          //WebElement soba = webDriver.findElement(By.xpath("/html/body/jan-app/esky-dynamic-package-variants/jan-basket/jan-select-room/div[2]/div/esky-hotel-pric
99          //String ukupnacijena = soba.getText();
100         //assertEquals("1.441", ukupnacijena);
101     }
```

3.8. Accommodation

Users can search for and make reservation on desired accommodation with all desired details.

Test Name: testSmještaj				
Description: Searching for accommodation, testing various filters and data inputs				
Pre-condition(s): No specific pre-conditions				
Test Steps: 1. Go to the landing page and click on the 'Accommodation' button 2. Choose random filters and data 3. Click on 'Search' button	**Test Data:** • Destination • Date • Passengers • Rooms	**Expected Result:** To successfully search for desired accommodation.	**Actual Result:** Successful	**Status:** PASS
Notes: To purchase, you need to be logged in or to log in in place.				

Here is the screenshot of the code for this test:

```
testSmještaj.java
    @Test
    void test() throws InterruptedException {
        webDriver.get(baseUrl);
        webDriver.manage().window().maximize();
        Thread.sleep(5000);
//      JavascriptExecutor js = (JavascriptExecutor) webDriver;

        webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/div[1]/div[3]/div/div[4]/a/span")).click();

         for (String handle1 : webDriver.getWindowHandles()) {
                webDriver.switchTo().window(handle1);
            }
        Thread.sleep(5000);

        webDriver.findElement(By.cssSelector(".scrollable-container > .ng-untouched")).click();
        Thread.sleep(1000);

        WebElement dest = webDriver.findElement(By.xpath("/html/body/hot-app/hot-main-page/hot-header/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/s
        dest.sendKeys("Mallorca, Španija");

         webDriver.findElement(By.cssSelector(".overlay:nth-child(1)")).click();
            Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/hot-app/hot-main-page/hot-header/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[1

        webDriver.findElement(By.xpath("/html/body/hot-app/hot-main-page/hot-header/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[1
        Thread.sleep(1000);


        webDriver.findElement(By.xpath("/html/body/hot-app/hot-main-page/hot-header/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[2
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/hot-app/hot-main-page/hot-header/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[2
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/hot-app/hot-main-page/hot-header/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[2
```

```
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/hot-app/hot-main-page/hot-header/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[2
        Thread.sleep(1000);

//      js.executeScript("window.scrollTo(0,90)");

        WebElement button = webDriver.findElement(By.tagName("button"));
        Actions action = new Actions(webDriver);
        action.moveToElement(button).click().perform();
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/hot-app/hot-main-page/hot-header/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/div/button
        Thread.sleep(8000);

        for (String handle1 : webDriver.getWindowHandles()) {
            webDriver.switchTo().window(handle1);
        }

        webDriver.findElement(By.xpath("/html/body/hot-app/ng-component/div/esky-search-results-layout/div/div[3]/esky-search-results-layout-results/hot-hotel-res
         for (String handle1 : webDriver.getWindowHandles()) {
        webDriver.switchTo().window(handle1);
    }
         Thread.sleep(4000);

         webDriver.findElement(By.xpath("/html/body/hot-app/hot-hotel-variants/div/div[1]/div/div/ul/li[2]")).click();
         Thread.sleep(2000);

         webDriver.findElement(By.xpath("/html/body/hot-app/hot-hotel-variants/div/div[3]/div/esky-hotel-variant-list/esky-hotel-variant[1]/esky-card/esky-hotel-r
         Thread.sleep(3000);

         String totalPrice = webDriver.findElement(By.id("total-price amount")).getText();
         assertEquals("101,12",totalPrice);
    }
```

3.9. Let+Hotel

Users can search for and make combo reservation on desired accommodation + flight with all desired details.

Test Name: testLetPlusHotel				
Description: Searching for combo deal (flight + hotel), testing various filters and data inputs				
Pre-condition(s): No specific pre-conditions				
Test Steps: 1. Go to the landing page and click on the 'Flight+Hotel' button 2. Choose random filters and data 3. Click on 'Search' button	**Test Data:** • Destination • Departure • Date • Passengers • Rooms	**Expected Result:** To successfully search for desired combo.	**Actual Result:** Successful	**Status:** FAIL
Notes: To purchase, you need to be logged in or to log in in place.				

Here is the screenshot of the code for this test:

```java
testLetPlusHotel.java ×
    @Test
    void test() throws InterruptedException {
        webDriver.get(baseUrl);
        webDriver.manage().window().maximize();
        Thread.sleep(3000);

        webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/div[1]/div[3]/div/div[5]")).click();

        for (String handle : webDriver.getWindowHandles()) {
            webDriver.switchTo().window(handle);
        }
        Thread.sleep(3000);

        webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[1]/div[1]/esky

        WebElement polazak = webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/f
        polazak.sendKeys("Sarajevo");
        Thread.sleep(2000);
        WebElement sa = webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldse
        sa.click();
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[1]/div[2]/esky

        WebElement dolazak = webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/f
        dolazak.sendKeys("Mallorca");
        Thread.sleep(2000);
        WebElement ma = webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldse
        ma.click();
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[2]/div/div[1]/
        Thread.sleep(1000);
        webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[2]/div/esky-mu
        Thread.sleep(1000);
        webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[2]/div/esky-mu
```

```java
        WebElement polazak = webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/f
        polazak.sendKeys("Sarajevo");
        Thread.sleep(2000);
        WebElement sa = webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldse
        sa.click();
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[1]/div[2]/esky

        WebElement dolazak = webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/f
        dolazak.sendKeys("Mallorca");
        Thread.sleep(2000);
        WebElement ma = webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldse
        ma.click();
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[2]/div/div[1]/
        Thread.sleep(1000);
        webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[2]/div/esky-mu
        Thread.sleep(1000);
        webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/fieldset[2]/div/esky-mu
        Thread.sleep(1000);

        WebElement button = webDriver.findElement(By.tagName("button"));
        Actions action = new Actions(webDriver);
        action.moveToElement(button).click().perform();
        Thread.sleep(1000);
//      webDriver.findElement(By.cssSelector(".overlay")).click();

        webDriver.findElement(By.xpath("/html/body/jan-app/jan-main-page/esky-hero/esky-search-form/esky-oneway-roundtrip-form/form/section/div/button")).click();
        Thread.sleep(3000);


    }
```

3.10. Cars

Users can search for and rent a car in any destination you want.

Test Name: testAuto				
Description: Searching for car for renting, testing various filters and data inputs				
Pre-condition(s): No specific pre-conditions				
Test Steps: 1. Go to the landing page and click on the 'Cars' button 2. Choose pick up location 3. Choose return location 4. Choose pick up date and hour 5. Chose return date and hout 6. Click on 'Search' 7. Choose random filters and data 8. Click on desired car	**Test Data:** • Destination 1 • Destination 2 • Date and hour 1 • Date and hour 2 • Filters	**Expected Result:** To successfully search for car for renting.	**Actual Result:** Successful	**Status:** PASS
Notes: To purchase, you need to be logged in or to log in in place.				

Here is the screenshot of the code for this test:

```
*testAuto.java
    @Test
    void test() throws InterruptedException {
//      webDriver.get(baseUrl);
        webDriver.get("https://cars.esky.com/?preflang=hr&cor=hr&adplat=hpQFS&adcamp=whitelabelHR");
        webDriver.manage().window().maximize();
        Thread.sleep(3000);


        WebElement cookies = webDriver.findElement(By.xpath("/html/body/div[5]/div[3]/div/div[2]/button"));
        cookies.click();
        cookies.click();
        Thread.sleep(1000);

        WebElement dest = webDriver.findElement(By.id("ftsAutocomplete"));
        dest.click();
        dest.sendKeys("Zagreb");
        Thread.sleep(3000);
        webDriver.findElement(By.xpath("/html/body/ul/li[1]/a/div/span")).click();
        Thread.sleep(1000);

        webDriver.findElement(By.id("returntolocation")).click();
        Thread.sleep(1000);

        WebElement returnLoc = webDriver.findElement(By.id("dropFtsAutocomplete"));
        returnLoc.click();
        returnLoc.clear();
        returnLoc.sendKeys("Sarajevo");
        Thread.sleep(5000);
        webDriver.findElement(By.xpath("/html/body/ul[2]/li[1]/a/div/span")).click();
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/div[1]/div[2]/div/div[1]/form/div/div[1]/fieldset[1]/div[1]/span/div/span[5]")).click();
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/div[1]/div[2]/div/div[1]/form/div/div[1]/div/div[1]/span/ul/li[4]")).click();
        Thread.sleep(1000);
```

```
        webDriver.findElement(By.xpath("/html/body/div[1]/div[2]/div/div[1]/form/div/div[1]/div/div[2]/div/table/tbody/tr[1]/td[5]/a")).click();
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/div[1]/div[2]/div/div[1]/form/div/div[1]/div/div[2]/div/table/tbody/tr[1]/td[7]/a")).click();
        Thread.sleep(1000);

        webDriver.findElement(By.id("puHour"));
        Select sat = new Select(webDriver.findElement(By.id("puHour")));
        sat.selectByValue("12");
        Thread.sleep(1000);

        webDriver.findElement(By.id("doHour"));
        Select sat2 = new Select(webDriver.findElement(By.id("doHour")));
        sat2.selectByValue("12");
        Thread.sleep(1000);

        webDriver.findElement(By.id("formsubmit")).click();
        Thread.sleep(10000);

        webDriver.navigate().to("https://cars.esky.com/SearchResults.do?country=Hrvatska&doYear=2023&doFiltering=true&fromLocChoose=true&filterTo=20&dropLocationN

        webDriver.findElement(By.xpath("/html/body/div[3]/div/div[1]/div/div[2]/div[2]/div[5]/ul/li[2]/label/div/ins")).click();
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/div[3]/div/div[1]/div/div[2]/div[2]/div[7]/ul/li[1]/label/div/ins")).click();
        Thread.sleep(8000);

        webDriver.findElement(By.xpath("/html/body/div[3]/div/div[2]/div[6]/table/tbody/tr[3]/td[4]/a/span[2]")).click();
        Thread.sleep(8000);

        webDriver.navigate().to("https://cars.esky.com/DriverExtras.do");

        String mjenjač = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[2]/div[2]/table/tbody/tr[1]/td[2]/ul[2]/li[2]")).getText();
        assertEquals("Automatski mjenjač brzina", mjenjač);
    }
```

3.11. Insurance

Users can search for and desired insurance.

Test Name: testOsiguranje				
Description: Searching for insurance, testing various filters and data inputs				
Pre-condition(s): No specific pre-conditions				
Test Steps: 1. Go to the landing page and click on the 'Insurance' button 2. Choose random filters and data 3. Click on 'Search' button 4. Fill out information about user	**Test Data:** • Departure • Destination • Date • Passengers • Name • Surname • Gender • Payment type • Card type • Card number • User number	**Expected Result:** To successfully search for desired insurance.	**Actual Result:** Successful	**Status:** PASS
Notes: To purchase, you need to be logged in or to log in in place.				

Here is the screenshot of the code for this test:

```java
testOsiguranje.java
31    @Test
32    void test() throws InterruptedException {
33        webDriver.get(baseUrl);
34        webDriver.manage().window().maximize();
35        Thread.sleep(2000);
36
37        webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/div[1]/div[3]/div/div[7]/a/span")).click();
38        Thread.sleep(3000);
39
40        webDriver.findElement(By.id("insuranceTypeCancellation")).click();
41        Thread.sleep(1000);
42
43        webDriver.findElement(By.id("departureCountry"));
44        Select select = new Select (webDriver.findElement(By.id("departureCountry")));
45        select.selectByValue("br");
46        Thread.sleep(1000);
47
48        webDriver.findElement(By.id("arrivalCountry"));
49        Select select2 = new Select (webDriver.findElement(By.id("arrivalCountry")));
50        select2.selectByValue("ba");
51        Thread.sleep(1000);
52
53        webDriver.findElement(By.id("ticketDate")).click();
54        Thread.sleep(1000);
55
56        webDriver.findElement(By.xpath("/html/body/div[11]/table/tbody/tr[4]/td[6]/a")).click();
57        Thread.sleep(1000);
58
59        webDriver.findElement(By.id("departureDate")).click();
60        Thread.sleep(1000);
61
62        webDriver.findElement(By.xpath("/html/body/div[11]/div/a[2]/span")).click();
63        Thread.sleep(1000);
64
65        webDriver.findElement(By.xpath("/html/body/div[11]/table/tbody/tr[3]/td[5]/a")).click();
66        Thread.sleep(1000);
```

```java
68        WebElement price = webDriver.findElement(By.id("priceAmount"));
69        price.click();
70        price.sendKeys("150");
71        Thread.sleep(3000);
72
73        webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/div[2]/div/form/section[2]/fieldset[2]/div/div")).click();
74
75        webDriver.findElement(By.xpath("/html/body/div[27]/div/div[2]/div[1]/div/a[2]")).click();
76        Thread.sleep(4000);
77
78        String cijena = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/div[2]/div/form/section[2]/fieldset[3]/section/div[2]/span[1]")).getText();
79
80        assertEquals("7,50",cijena);
81        Thread.sleep(2000);
82
83        webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/div[2]/div/form/section[2]/fieldset[3]/button/span")).click();
84        Thread.sleep(2000);
85
86        webDriver.navigate().to("https://secure.esky.ba/insurances/options?product=cancellation&departureCountry=br&arrivalCountry=ba&ticketDate=2023-01-21&depart
87        Thread.sleep(5000);
88
89        WebElement name = webDriver.findElement(By.id("insuranceBookPricedOffer_insuranceOrder_paxes_0_pxn"));
90        name.click();
91        name.sendKeys("Hajrudin");
92        Thread.sleep(1000);
93
94        WebElement surname = webDriver.findElement(By.id("insuranceBookPricedOffer_insuranceOrder_paxes_0_pxsn"));
95        surname.click();
96        surname.sendKeys("Vejzović");
97        Thread.sleep(1000);
98
99        webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[2]/div/div[1]/div[3]/div/div/div/select"));
100       Select select3 = new Select (webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[2]/div/div[1]/div[3]/div/div/div/select")));
101       select3.selectByValue("mr");
102       Thread.sleep(1000);
```

```java
99        webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[2]/div/div[1]/div[3]/div/div/div/select"));
100       Select select3 = new Select (webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[2]/div/div[1]/div[3]/div/div/div/select")));
101       select3.selectByValue("mr");
102       Thread.sleep(1000);
103
104       webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[2]/div/div[1]/div[4]/div/div[3]/div/select"));
105       Select select6 = new Select (webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[2]/div/div[1]/div[4]/div/div[3]/div/select")));
106       select6.selectByValue("2000");
107       Thread.sleep(1000);
108
109       webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[2]/div/div[1]/div[4]/div/div[2]/div/select"));
110       Select select5 = new Select (webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[2]/div/div[1]/div[4]/div/div[2]/div/select")));
111       select5.selectByValue("12");
112       Thread.sleep(1000);
113
114       webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[2]/div/div[1]/div[4]/div/div[1]/div/select"));
115       Select select4 = new Select (webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[2]/div/div[1]/div[4]/div/div[1]/div/select")));
116       select4.selectByValue("1");
117       Thread.sleep(1000);
118
119
120       WebElement broj = webDriver.findElement(By.id("insuranceBookPricedOffer_contactDetails_phoneNumber_phoneNumber"));
121 //    broj.click();
122       broj.sendKeys("amna");
123       WebElement mail = webDriver.findElement(By.id("insuranceBookPricedOffer_contactDetails_email"));
124       mail.click();
125       Thread.sleep(2000);
126       String error = webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[3]/div/fieldset/div[1]/div/div/em")).getText();
127       assertEquals("Unesite pravilan telefonski broj", error);
128       Thread.sleep(1000);
129       broj.click();
130       broj.clear();
131       Thread.sleep(1000);
132       broj.sendKeys("62654987");
133       Thread.sleep(1000);
134
```

```java
//      WebElement mail = webDriver.findElement(By.id("insuranceBookPricedOffer_contactDetails_email"));
        mail.click();
        mail.sendKeys("hajrudin.vejzovic@stu.biu.edu.ba");
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[5]/div[1]/div/div/div/div[1]/fieldset/div/label[2]/span[1]")).click();
        Thread.sleep(1000);

        WebElement brojKartice = webDriver.findElement(By.id("insuranceBookPricedOffer_paymentDetails_cardNumber"));
        brojKartice.sendKeys("0000000000000000");
        Thread.sleep(1000);
        webDriver.findElement(By.id("insuranceBookPricedOffer_paymentDetails_cardCvv")).click();
        Thread.sleep(2000);

        String invalid = webDriver.findElement(By.xpath("/html/body/div[3]/div[5]/form/section[5]/div[2]/div[2]/fieldset[1]/div[1]/div/em")).getText();
        assertEquals("Nepravilan broj kartice", invalid);



    }
```

3.12. Offers

Users can search for best deals at the time.

Test Name: testPonude				
Description: Searching for best deals, testing various filters and data inputs				
Pre-condition(s): No specific pre-conditions				
Test Steps: 1. Go to the landing page and click on the 'Ponude' button 2. Choose location 1 3. Choose location 2 4. Click on 'Search' button 5. Choose sort criteria	**Test Data:** • Destination 1 • Destination 2	**Expected Result:** To successfully search for deal.	**Actual Result:** Successful	**Status:** PASS
Notes: To purchase, you need to be logged in or to log in in place.				

Here is the screenshot of the code for this test:

```java
testPonude.java
    @Test
    void test() throws InterruptedException {
        webDriver.get(esky);

        WebElement Ponude = webDriver.findElement(By.xpath("//*[@id=\"header-top\"]/div/nav/ul/li[7]/a"));
        Ponude.click();
        Thread.sleep(2000);

        String PonudeUrl = webDriver.getCurrentUrl();
        assertEquals("https://www.esky.ba/prilike",PonudeUrl);
        WebElement od = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/div[3]/div/div[1]/div[1]/input"));
        od.click();
        Thread.sleep(1000);

        webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/div[3]/div/div[1]/div[2]/div[2]/div/div[1]/div/div[3]/div[2]/ul/li[3]/label")).click();
        Thread.sleep(2000);

        webDriver.findElement(By.xpath( "/html/body/div[1]/div/div[2]/div[3]/div/div[2]/div[1]/input")).click();
        Thread.sleep(1000);

        webDriver.findElement(By.xpath( "/html/body/div[1]/div/div[2]/div[3]/div/div[2]/div[2]/div[2]/div/div[1]/div/div[3]/div[4]/div[2]/div[7]/label")).click();
        Thread.sleep(1000);

        webDriver.findElement(By.xpath( "/html/body/div[1]/div/div[2]/div[3]/div/div[2]/div[2]/div[2]/div/div[1]/div/div[3]/div[4]/div[2]/div[8]/div[1]/label")).cl
        Thread.sleep(2000);

        webDriver.findElement(By.xpath( "/html/body/div[1]/div/div[2]/div[3]/button")).click();
        Thread.sleep(3000);

        webDriver.findElement(By.id( "radio-group-0-4")).click();
        Thread.sleep(5000);

        WebElement EuroAirportMiluz = webDriver.findElement(By.xpath( "/html/body/div[1]/div[1]/h1/strong[2]"));
        String TextDestination = EuroAirportMiluz.getText();
        assertEquals("EuroAirport Miluz", TextDestination );
        webDriver.findElement(By.xpath( " /html/body/div[2]/div[3]/div/div[3]/div[1]/div[2]/div/form/fieldset[1]/div[1]/div/input")).sendKeys("23427843242");
```

```java
        Thread.sleep(1000);

        webDriver.findElement(By.xpath( "/html/body/div[1]/div/div[2]/div[3]/div/div[2]/div[2]/div[2]/div/div[1]/div/div[3]/div[4]/div[2]/div[8]/div[1]/label")).cl
        Thread.sleep(2000);

        webDriver.findElement(By.xpath( "/html/body/div[1]/div/div[2]/div[3]/button")).click();
        Thread.sleep(3000);

        webDriver.findElement(By.id( "radio-group-0-4")).click();
        Thread.sleep(5000);

        WebElement EuroAirportMiluz = webDriver.findElement(By.xpath( "/html/body/div[1]/div[1]/h1/strong[2]"));
        String TextDestination = EuroAirportMiluz.getText();
        assertEquals("EuroAirport Miluz", TextDestination );
        webDriver.findElement(By.xpath( " /html/body/div[2]/div[3]/div/div[3]/div[1]/div[2]/div/form/fieldset[1]/div[1]/div/input")).sendKeys("23427843242");
        Thread.sleep(2000);

        WebElement password = webDriver.findElement(By.xpath( "  /html/body/div[2]/div[3]/div/div[3]/div[1]/div[2]/div/form/fieldset[1]/div[2]/div/input"));
        password.click();
        password.sendKeys("abcd");
        Thread.sleep(1000);

        WebElement error = webDriver.findElement(By.className( "error-msg"));
        String invalid = error.getText();
        assertEquals("Unesite pravilnu e-mail adresu", invalid);
        Thread.sleep(1000);

        webDriver.findElement(By.xpath( "/html/body/div[2]/div[3]/div/div[3]/div[1]/div[2]/div/form/fieldset[1]/div[3]/div/button")).click();
        Thread.sleep(2000);

        WebElement passwordinvalid = webDriver.findElement(By.xpath( "/html/body/div[2]/div[3]/div/div[3]/div[1]/div[2]/div/form/fieldset[1]/div[2]/div/em"));
        String TextInvalidPassword =  passwordinvalid.getText();
        assertEquals("Unesite pravilan iznos", TextInvalidPassword );
    }
```

3.13. Invalid input

Test Name: testInvalidInput				
Description: Filling form with data that should not be accepted and checking if it will or not be accepted				
Pre-condition(s): No specific pre-conditions				
Test Steps: 1. Go to the landing page to the end of it and click on part where it asks for mail 2. Type in some random numbers 3. Check if it send error message	**Test Data:** • Numbers/in valid mail	**Expected Result:** To prove that you can only type in email and not any other string.	**Actual Result:** Successful	**Status:** PASS
Notes: /				

Here is the screenshot of the code for this test:

```java
testInvalidInput.java
import static org.junit.jupiter.api.Assertions.*;

class testInvalidInput {

    private static WebDriver webDriver;
    private static String esky;

    @BeforeAll
    static void setUpBeforeClass() throws Exception {
        System.setProperty("webdriver.chrome.driver", "E:\\Fakultet\\System Validation and Testing\\chromedriver.exe");
        webDriver = new ChromeDriver();
        esky = "https://www.esky.ba/";
    }

    @AfterAll
    static void tearDownAfterClass() throws Exception {
        webDriver.quit();
    }

    @Test
    void test() throws InterruptedException {
        webDriver.get(esky);

        webDriver.findElement(By.xpath("//*[@id=\"email\"]")).sendKeys("03874342");
        Thread.sleep(2000);

        webDriver.findElement(By.xpath(" //*[@id=\"submit\"]")).click();
        Thread.sleep(2000);

        WebElement invalidtext = webDriver.findElement(By.xpath("/html/body/footer/div[2]/form/div[1]/div[3]/em"));
        String Text = invalidtext.getText();
        assertTrue(Text.contains("Unesite pravilnu e-mail adresu"));
        Thread.sleep(2000);
    }
```

3.14. Social Media

Website provide users with their social media links

Test Name: testSM				
Description: Checking social media links				
Pre-condition(s): No specific pre-conditions				
Test Steps: 1. Go to the landing page and click on the icons of social media one by one	**Test Data:** • No	**Expected Result:** To successfully check if links lead to social media eSky profiles	**Actual Result:** Successful	**Status:** PASS
Notes: To purchase, you need to be logged in or to log in in place.				

Here is the screenshot of the code for this test:

```
testSM.java
3  import org.junit.jupiter.api.AfterAll;
11
12 class testSM {
13
14     private static WebDriver webDriver;
15     private static String esky;
16
17     @BeforeAll
18     static void setUpBeforeClass() throws Exception {
19         System.setProperty("webdriver.chrome.driver", "C:\\\\Amna\\\\Treća godina IT\\\\SVVT\\\\chromedriver.exe");
20         webDriver = new ChromeDriver();
21         esky = "https://www.esky.ba/";
22     }
23
24     @AfterAll
25     static void tearDownAfterClass() throws Exception {
26         webDriver.quit();
27     }
28
29     @Test
30     void test() throws InterruptedException {
31         webDriver.get(esky);
32         JavascriptExecutor js = (JavascriptExecutor) webDriver;
33         js.executeScript("window.scrollBy(0,4000)");
34         WebElement Eskyfacebook = webDriver.findElement(By.xpath("/html/body/footer/div[5]/div[1]/div[1]/a[1]"));
35         Eskyfacebook.click();
36         Thread.sleep(5000);
37         WebElement EskyYoutube = webDriver.findElement(By.xpath("/html/body/footer/div[5]/div[1]/div[1]/a[2]"));
38         EskyYoutube.click();
39         Thread.sleep(5000);
40         WebElement EskyInst = webDriver.findElement(By.xpath("/html/body/footer/div[5]/div[1]/div[1]/a[3]"));
41         EskyInst.click();
42         Thread.sleep(5000);
43     }
```

3.15. Questions

Users can search for frequently asked questions.

Test Name: testPitanja				
Description: Searching for for frequently asked questions				
Pre-condition(s): No specific pre-conditions				
Test Steps: 1. Go to the landing page and click on the 'More' button 2. Choose 'Travel guide' button 3. Choose 'Questions' button 4. Search for desired question 5. Expand it for answer	**Test Data:** • No	**Expected Result:** To successfully search for desired question	**Actual Result:** Successful	**Status:** PASS
Notes: To purchase, you need to be logged in or to log in in place.				

Here is the screenshot of the code for this test:

```java
testPitanja.java
    private static String esky;

    @BeforeAll
    static void setUpBeforeClass() throws Exception {
        System.setProperty("webdriver.chrome.driver", "E:\\Fakultet\\System Validation and Testing\\chromedriver.exe");
        webDriver = new ChromeDriver();
        esky = "https://www.esky.ba/";
    }

    @AfterAll
    static void tearDownAfterClass() throws Exception {
        webDriver.quit();
    }

    @Test
    void test() throws InterruptedException {
        webDriver.get(esky);
        Thread.sleep(2000);
        WebElement More = webDriver.findElement(By.xpath("/html/body/header/div/nav/ul/li[20]/a"));
        More.click();
        Thread.sleep(4000);
        WebElement Recenzije = webDriver.findElement(By.xpath("/html/body/div[27]/div/ul/li[5]/a"));
        Recenzije.click();
        Thread.sleep(3000);
        JavascriptExecutor js = (JavascriptExecutor) webDriver;
        js.executeScript("window.scrollBy(0,800)");
        Thread.sleep(2000);
        WebElement WizzAirlines = webDriver.findElement(By.xpath("/html/body/div[2]/div[3]/table/tbody/tr[2]/td[2]/a"));
        WizzAirlines.click();
        Thread.sleep(4000);
        WebElement Wizzocjena = webDriver.findElement(By.xpath("/html/body/div[2]/div[1]/div[2]/div[2]/span"));
        String ocjena = Wizzocjena.getText();
        assertEquals("4",ocjena);
    }
```

9. Conclusion

9.1. Testing Summary

Summary of all your executed tests.

Testing Tool	Total Tests	Passed Tests	Failed Tests
Selenium combined with JUnit	15	14	1

In testLetPlusHotel, 80% of the code works, but for some unknown reason line of code at the end when it needs to click on specific button, it just do not want to click on it.

9.2. Final Thoughts

Both of us enjoyed very much working on this project, as it was really interesting.
But it used to really get on our nerves sometimes.

We tried to test some of frequently used and important features that the platform provides. We hope that we indeed did a good job.
One interesting thing, when we were trying to login through google account in the first place, when we came to the part where we should type in password now, but we just got message from Google saying that something is wrong with this user and forbade us to type in password. It recognized us as bot. xd

Also, it is interesting how same code for same kind of form does not work on two different sites sometimes, although it looks same or test works one time bout some other does not for no reason.