SOFTWARE VERIFICATION, VALIDATION AND TESTING

TESTING DOCUMENTATION

CARIBOU COFFEE

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1. Introduction

1.1. About the Project

For this project, we decided to test the Caribou Coffee web application. It's an application that provides users with options to order coffee, drinks, apparel, etc. User can also purchase gift cards and check balance online. On the other hand, you can contact Caribou for business needs like Food Service, Franchising, Distribution and other questions you might have.

 https://www.cariboucoffee.com/

1.2. Project Functionalities and Screenshots

1) Login/ Register

2) Shop

3) Purchase gift cards

4) Contact Caribou Coffee

5) Franchising

6) Licensing

7) Food Service

8) Distribution/ Coffee in office

2. Test Plan

2.1. Scope

We mostly focused on testing parts of the application that we could use to cover all the lecture and lab materials from the course. With that we managed to cover the important parts of the application and probably the ones that go through day-to-day use by users and customers.

2.2. Testing Environment and Tools

For the testing environment we used Eclipse IDE and Selenium testing framework along with Chrome WebDriver.

Eclipse IDE and Selenium
Java, JUnit test cases

3. Test Execution

3.1. Login

Test Name: Login Test				
Description: Testing Forgot password? feature				
Pre-condition(s):				
Test Steps:	**Test Data:**	**Expected Result:**	**Actual Result:**	**Status:**
1. Get the base URL. 2. Locate and click on the LOGIN button below the navbar and wait. 3. Click on the LOST YOUR PASSWORD element. 4. Fill in the email input field and click on RESET PASSWORD button.	Email: user@gmail.com	The user is taken to login page where he can enter an email for resetting the password	The user is taken to login page where he can enter an email for resetting the password	PASS
Notes:				

```java
@Test
void lostYourPasswordTest() throws InterruptedException {
    webDriver.get(baseUrl);
    Thread.sleep(2000);

    webDriver.findElement(By.xpath("/html/body/div[10]/nav/div/ul/li[1]/a")).click();
    Thread.sleep(2000);

    webDriver.findElement(By.xpath("/html/body/div[10]/div[2]/div/main/article/div/div[2]/div[1]/fieldset/form/p[4]/a")).click();
    Thread.sleep(2000);

    WebElement email = webDriver.findElement(By.name("email"));
    email.sendKeys("username@gmail.com");

    webDriver.findElement(By.xpath("/html/body/div[10]/div[2]/div/main/form/fieldset/button")).click();

}
```

3.2 Registration

Users want to be able to register, if they don't have an account already.

Test Name: Test registration form				
Description: Check if all input fields work correctly and is a new account created after clicking on the register button.				
Pre-condition(s):				
Test Steps:	**Test Data:**	**Expected Result:**	**Actual Result:**	**Status:**
1. Click on the Login button 2. Fill in the registration form 3. Click on the Register button and check is the new account created	1.Ema 2. Jamaković 3. 31/07/2001 4. 71300 5. 061270905 6.ema.jamakovic @stu.ibu.edu.ba7. password	All input fields work correctly, and a new account is created.	All input fields work correctly, and a new account is created.	PASS
Notes:				

```
37
38    @Test
39    void register(){
40        webDriver.get(baseUrl);
41        webDriver.manage().window().maximize();
42        String login=webDriver.findElement(By.linkText("LOGIN")).getAttribute("href");
43        webDriver.get(login);
44        webDriver.findElement(By.id("reg_first_name")).sendKeys("Ema");
45        webDriver.findElement(By.id("reg_last_name")).sendKeys("Jamaković");
46        webDriver.findElement(By.id("reg_birthday")).sendKeys("31/07/2001");
47        webDriver.findElement(By.id("reg_zip")).sendKeys("71300");
48        webDriver.findElement(By.id("reg_billing_phone")).sendKeys("061270905");
49        webDriver.findElement(By.id("reg_email")).sendKeys("ema.jamakovic@stu.ibu.edu.ba");
50        webDriver.findElement(By.id("reg_password")).sendKeys("password");
51
52        webDriver.findElement(By.id("email_notifications")).click();
53        webDriver.findElement(By.xpath("//*[@id=\"post-453\"]/div/div[2]/div[2]/fieldset/form/p[7]/button")).click();
54
55
56
57
```

3.3 Job Test

Test Name: Job Test				
Description: Check whether all elements for finding a job work properly				
Pre-condition(s):				
Test Steps: 1. Get the base URL. 2. Scroll down for 2000px. 3. Click on the button BROWSE CAREERS. 4. Scroll down for 500px. 5. Click on the leftmost STORE TEAM element. 6. Wait for the map element to load fully. 7. Fill up the input fields below the map and click on the SEARCH button. 8. In the reply text assert that it contains word "Unfortunately".	**Test Data:** Keyword: Barista Location: Sarajevo Radius: 50 miles	**Expected Result:** The user is taken through all the steps and clicked elements	**Actual Result:** The user is taken through all the steps and clicked elements	**Status:** PASS
Notes:				

```java
@Test
void jobTest() throws InterruptedException {
    webDriver.get(baseUrl);

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

    webDriver.findElement(By.cssSelector("#post-116002 > div.ghostkit-grid.ghostkit-grid-gap-md.ghostkit-custom-246ujX > div > div > "
            + "div > div > div > a > span")).click();
    Thread.sleep(1000);

    js.executeScript("window.scrollBy(0, 500)");
    Thread.sleep(2000);

    webDriver.findElement(By.xpath("//*[@id=\"post-11149\"]/div[3]/div/div[1]/div/figure/a/img")).click();
    Thread.sleep(1000);

    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
    WebElement map = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"post-11311\"]/div[1]/div/div/div/"
            + "div/div/div[1]/div[1]/div/div[1]/div/div/div[2]/div[2]")));

    WebElement job = webDriver.findElement(By.xpath("//*[@id=\"search-term\"]"));
    job.sendKeys("Barista");
    WebElement location = webDriver.findElement(By.xpath("//*[@id=\"search-location\"]"));
    location.sendKeys("Sarajevo");
    Select miles = new Select(webDriver.findElement(By.id("radius-select")));
    miles.selectByValue("50");

    webDriver.findElement(By.cssSelector("#post-11311 > div.ghostkit-grid.ghostkit-grid-gap-md.ghostkit-custom-1PGUUR > div > div > "
            + "div > div > div > div:nth-child(1) > div.job-search > div.search-container.flex > button")).click();
    Thread.sleep(3000);

    String reply = webDriver.findElement(By.className("not-found")).getText();
    assertTrue(reply.contains("Unfortunately"));
}
```

3.4 Locations Test

Test Name: Locations Test				
Description: Testing if the map for locations is responsive				
Pre-condition(s):				
Test Steps: 1. Get the base URL. 2. Click on the menu item LOCATIONS from navbar and wait. 3. Zoom in on the map with double click on the '+' zoom. 4. Move the mouse cursor 20 pixels horizontally and -50 pixels vertically.	**Test Data:**	**Expected Result:** The user is taken to location.baseUrl and interacts with the map	**Actual Result:** The user is taken to location.baseUrl and interacts with the map	**Status:** PASS
Notes:				

```java
@Test
void doubleClickToZoomTest() throws InterruptedException {
    webDriver.get(baseUrl);
    Thread.sleep(1000);

    webDriver.findElement(By.cssSelector("#menu-item-370 > a")).click();
    Thread.sleep(5000);

    Actions builder = new Actions(webDriver);

    WebElement zoom = webDriver.findElement(By.cssSelector("#dir-map-mobile-map > div.mapboxgl-control-container > "
            + "div.mapboxgl-ctrl-bottom-right > div.mapboxgl-ctrl.mapboxgl-ctrl-group > "
            + "button.mapboxgl-ctrl-icon.mapboxgl-ctrl-zoom-in"));
    org.openqa.selenium.interactions.Action doubleClick = builder.moveToElement(zoom).doubleClick().moveByOffset(20, -50).build();
    doubleClick.perform();
    Thread.sleep(3000);

}
```

3.5 Office Coffee

Test Name: Office Coffee Test				
Description: Testing form for office coffe				
Pre-condition(s):				
Test Steps:	**Test Data:**	**Expected Result:**	**Actual Result:**	**Status:**
1. Get the base URL. 2. Scroll all the way down the page and click on OFFICE COFFEE element. 3. When the page loads fill in all the visible input fields (up until SELECT YOUR INTEREST). 4. After selecting the interest, additional select elements will appear. 5. Select the remaining ones and submit the form.	First name: Almina Last name: Šehić Email address: almina.sehic@stu.ibu.edu.ba Company: Caribou Phone number: 777777777 City: Sarajevo ZIP code: 71000 Country: Bosnia and Herzegovina Interest: Serving Caribou Coffee in your office Offering: We are planning to provide both complimentary and beverages for purchase at our location. Employees: 1-19 Brand: Equator OCS: No	User successfully submits the Office Coffee form.	User successfully submits the Office Coffee form.	PASS
Notes:				

```java
@Test
void foodService() throws InterruptedException {
    webDriver.get(baseUrl);

    webDriver.findElement(By.linkText("OFFICE COFFEE")).click();
    WebDriverWait wait=new WebDriverWait(webDriver, Duration.ofSeconds(5));
    wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"gform_wrapper_5\"]/div/p")));

    webDriver.findElement(By.id("input_5_1")).sendKeys("Almina");
    webDriver.findElement(By.id("input_5_2")).sendKeys("Šehić");
    webDriver.findElement(By.id("input_5_3")).sendKeys("almina.sehic@stu.ibu.edu.ba");

    webDriver.findElement(By.id("input_5_5")).sendKeys("Caribou");
    webDriver.findElement(By.id("input_5_4")).sendKeys("777777777");

    webDriver.findElement(By.id("input_5_6_3")).sendKeys("Sarajevo");
    webDriver.findElement(By.id("input_5_6_5")).sendKeys("71000");

    Select country=new Select(webDriver.findElement(By.id("input_5_6_6")));
    country.selectByValue("Bosnia and Herzegovina");

    webDriver.findElement(By.id("label_5_21_0")).click();

    wait.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector("#field_5_12")));

    webDriver.findElement(By.id("label_5_12_2")).click();

    webDriver.findElement(By.id("label_5_22_0")).click();

    Select coffee=new Select(webDriver.findElement(By.id("input_5_13")));
    coffee.selectByValue("Equator");

    webDriver.findElement(By.id("label_5_19_1")).click();


    //webDriver.findElement(By.id("gform_submit_button_5")).click();
}
```

3.6 Perks Test

Test Name: Perks Test				
Description: Using window handles for the test				
Pre-condition(s):				
Test Steps:	**Test Data:**	**Expected Result:**	**Actual Result:**	**Status:**
1. Get the base URL and the current window handle. 2. Click on the menu item PERKS from navbar and wait. 3. Scroll by 4000px and click on DOWNLOAD THE APP button. 4. When another window opens switch back to the first window handle aka the base URL.		The user switches from newly opened window handle to the original one.	The user switches from newly opened window handle to the original one.	PASS
Notes:				

```java
@Test
void switchWindowsTest() throws InterruptedException {
    webDriver.get(baseUrl);
    String handle = webDriver.getWindowHandle();

    Thread.sleep(1000);

    webDriver.findElement(By.xpath("//*[@id=\"menu-item-364\"]/a")).click();
    Thread.sleep(1000);

    JavascriptExecutor js = (JavascriptExecutor) webDriver;
    js.executeScript("window.scrollBy(0, 4000)");
    Thread.sleep(3000);

    webDriver.findElement(By.xpath("/html/body/div[10]/div[2]/div/main/article/div[11]/div/div/div/a")).click();
    Thread.sleep(3000);

    webDriver.switchTo().window(handle);
    Thread.sleep(3000);


}
```

3.7 Product Locator

Test Name: Product Locator Test				
Description: Test input for zip codes as a locator				
Pre-condition(s):				
Test Steps: 1. Get the base URL. 2. Enter the ZIP code and wait for the page to find the store near the location.	**Test Data:** ZIP: 55416	**Expected Result:** The user is able to find the retailer store near the entered location.	**Actual Result:** The user is not able to find the retailer store near the entered location.	**Status:** FAIL
Notes: The search always return the same message: "Unable to find stores. Please contact Customer Support."				

```java
@Test
void failedZipCodestest() throws InterruptedException {
    webDriver.get(baseUrl);

    WebElement zipCode = webDriver.findElement(By.xpath("//*[@id=\"store-locator\"]/div[1]/input"));
    zipCode.sendKeys("55416");

    webDriver.findElement(By.cssSelector("#store-locator > div:nth-child(1) > button")).click();

    WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(30));

    wait.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector("#store-locator > div.results")));

    String failedSearch = webDriver.findElement(By.className("results")).getText();
    assertTrue(failedSearch.contains("Unable to find stores."));
}
```

3.8 Social Media

Test Name: Social Media Test				
Description: Testing buttons for social media				
Pre-condition(s):				
Test Steps: 1. Get the base URL and the current window handle. 2. Scroll all the way down the page and click on INSTAGRAM icon. 3. Get the title of the new window and assert it equals the given string. 4. Switch back to the first window handle aka the base URL and again scroll all the way down the page. 5. Click on the FACE-BOOK icon and wait for the new window to appear. 6. Assert that both Instagram and Facebook windows have the same title.	**Test Data:**	**Expected Result:** The user switches between different window handles (base, Instagram, Facebook) and checks their titles.	**Actual Result:** The user switches between different window handles (base, Instagram, Facebook) and checks their titles.	**Status:** PASS
Notes:				

```
@Test
void test() throws InterruptedException {
    webDriver.get(baseUrl);
    String handle = webDriver.getWindowHandle();

    JavascriptExecutor js = (JavascriptExecutor) webDriver;
    js.executeScript("window.scrollBy(0, 4000)");
    Thread.sleep(2000);

    webDriver.findElement(By.cssSelector("#colophon > div.footer-container > div.footer-social > div > a:nth-child(1) > i")).click();
    Thread.sleep(2000);

    String title = webDriver.getTitle();
    assertEquals("Caribou Coffee® | Life Is Short. Stay Awake For It®", title);
    Thread.sleep(2000);

    webDriver.get("https://www.cariboucoffee.com/");
    Thread.sleep(2000);
    String url = webDriver.getCurrentUrl();
    assertEquals("https://www.cariboucoffee.com/", url);

    webDriver.switchTo().window(handle);

    js.executeScript("window.scrollBy(0, 4000)");
    Thread.sleep(2000);

    webDriver.findElement(By.cssSelector("#colophon > div.footer-container > div.footer-social > div > a:nth-child(2) > i")).click();
    Thread.sleep(2000);

    String titleF = webDriver.getTitle();
    assertEquals(title, titleF);
    Thread.sleep(2000);

}
```

3.9 Find Out More

Test Name: Test "Find out more" button				
Description: Check if "Find out more" button works and leads to proper page (either a product page, or an "About us" page)				
Pre-condition(s):				
Test Steps: 1. Wait until "Find out more" button is loaded 2. Click on the button 3. Check if it leads to the expected page	**Test Data:**	**Expected Result:** The user is taken to a new page.	**Actual Result:** The page gives a 404 error because the requested page does not exist.	**Status:** FAIL
Notes:				

```
48⊖    @Test
49     public void FindOutMoreButtonTest() {
50         System.out.println("General UI part testing");
51
52         String finalUrl = "https://flink-webshop.herokuapp.com/#product";
53
54          try {
55             Thread.sleep(2000);
56         } catch (InterruptedException e) {
57             // TODO Auto-generated catch block
58             e.printStackTrace();
59         }
60
61         if(driver.findElement(By.linkText("FIND OUT MORE")).isDisplayed()) {
62             driver.findElement(By.linkText("FIND OUT MORE")).click();
63
64             assertEquals(finalUrl, driver.getCurrentUrl());
65         }
66     }
```

3.10 Drinkware shopping

Test Name: Test shopping option				
Description: Test does shop drinkware section works				
Pre-condition(s):				
Test Steps: 1. Click on Shop button and wait until next page is loaded 2. Click on Drinkware section 3. Choose to sort result by price: from high to low 4. Click on the item below the option chooser 5. Wait until item page is loaded and check does the showed text contains "Caribou Perks"	**Test Data:**	**Expected Result:** The user is taken to the shop drinkware section and the chosen item is displayed with expected text in it.	**Actual Result:** The user is taken to the shop drinkware section and the chosen item is displayed with expected text in it.	**Status:** PASS
Notes:				

```java
46      @Test
47      void shopDrinkware() {
48          webDriver.get(baseUrl);
49          webDriver.manage().window().maximize();
50          webDriver.findElement(By.linkText("SHOP")).click();
51          FluentWait<WebDriver>wait=new FluentWait<WebDriver>(webDriver);
52          wait.withTimeout(Duration.ofSeconds(5));
53          wait.pollingEvery(Duration.ofMillis(250));
54          wait.ignoring(NoSuchElementException.class);
55          wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"main\"]/div[1]/div/div/div/figure[1]/img")));
56
57
58          webDriver.findElement(By.partialLinkText("Drinkware")).click();
59          wait.until(ExpectedConditions.visibilityOfElementLocated(By.name("orderby")));
60
61          Select orderby=new Select(webDriver.findElement(By.name("orderby")));
62          orderby.selectByValue("price-desc");
63          wait.until(ExpectedConditions.elementToBeSelected(By.xpath("//*[@id=\"main\"]/form/select/option[3]")));
64
65          WebElement orderbyselector=webDriver.findElement(By.name("orderby"));
66          webDriver.findElement(RelativeLocator.with(By.xpath("//*[@id=\"main\"]/ul/li[3]/a[1]"))
67                  .below(orderbyselector)).click();
68          wait.until(ExpectedConditions.textToBePresentInElementLocated(By.className("perks-note"), "Login"));
69
70          String label=webDriver.findElement(By.className("perks-note")).getText();
71          assertTrue(label.contains("Caribou Perks"));
72
73      }
74
```

3.11 Online Ordering

Test Name: Online Ordering test				
Description: Check is online ordering available at specific location				
Pre-condition(s):				
Test Steps: 1. Click on the button with text "Ways to order" 2. Choose the Curbside way of ordering 3. Search for the location Minneapolis, Minnesota 4. Click on the first store bellow the search button to order now 5. Assert that online ordering is not available yet	**Test Data:** 1. Minneapolis, Minnesota, United States	**Expected Result:** Online ordering is currently unavailable.	**Actual Result:** Online ordering is currently unavailable.	**Status:** PASS
Notes:				

```
47
48⊖    @Test
49     void onlineOrdering() throws InterruptedException {
50         webDriver.get(baseUrl);
51         webDriver.findElement(By.linkText("WAYS TO ORDER")).click();
52
53         WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
54         wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"metaslider_94644\"]/ul[1]/li/img")));
55
56         webDriver.findElement(By.xpath("//*[@id=\"post-94520\"]/div[5]/div/div[1]/div/div[2]/div/a")).click();
57         webDriver.findElement(By.id("q")).clear();
58         webDriver.findElement(By.id("q")).sendKeys("Minneapolis, Minnesota, United States");
59         webDriver.findElement(By.xpath("//*[@id=\"js-mapbox-typeahead\"]/div/div/div/div/button[2]")).click();
60
61         Thread.sleep(2000);
62
63         WebElement locator=webDriver.findElement(By.xpath("//*[@id=\"main\"]/div/div[2]/div[2]/div[2]/div/div"));
64         webDriver.findElement(RelativeLocator.with(By.linkText("Order Now")).below(locator)).click();
65
66         wait.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.id("online-ordering-is-currently-unavailable")));
67
68         String text=webDriver.findElement(By.id("online-ordering-is-currently-unavailable")).getText();
69         assertTrue(text.contains("Online Ordering is Currently Unavailable"));
70     }
71
```

3.12 Licensing

Test Name: Licensing test				
Description: Test does licensing form works properly				
Pre-condition(s):				
Test Steps:	**Test Data:**	**Expected Result:**	**Actual Result:**	**Status:**
1. Click on the Licensing button 2. Fill out the form with necessary information 3. Click on the submit button to send your form	1.Ema 2. Jamaković 3.ema.jamakovic@stu.ibu.edu.ba4. Caribou 5. Minneapolis 6. 55401	The form was successfully filled and sent.	The form was successfully filled and sent.	PASS
Notes:				

```
48      @Test
49      void licensing() throws InterruptedException {
50          webDriver.get(baseUrl);
51          webDriver.findElement(By.linkText("LICENSING")).click();
52
53          WebDriverWait wait = new WebDriverWait(webDriver, Duration.ofSeconds(5));
54          WebElement map = wait.until(ExpectedConditions.visibilityOfElementLocated(
55                  By.xpath("//*[@id=\"post-45640\"]/div[1]/div/div/div/figure/img")));
56
57          webDriver.findElement(By.id("choice_2_18_1")).click();
58          webDriver.findElement(By.id("input_2_2_3")).sendKeys("Ema");
59          webDriver.findElement(By.id("input_2_2_6")).sendKeys("Jamaković");
60          webDriver.findElement(By.id("input_2_3")).sendKeys("ema.jamakovic@stu.ibu.edu.ba");
61          webDriver.findElement(By.id("input_2_6")).sendKeys("Caribou");
62          webDriver.findElement(By.id("input_2_5_3")).sendKeys("Minneapolis");
63          webDriver.findElement(By.id("input_2_5_5")).sendKeys("55401");
64
65          Select country=new Select(webDriver.findElement(By.id("input_2_5_4")));
66          country.selectByValue("Minnesota");
67
68          Select entitylocation=new Select(webDriver.findElement(By.id("input_2_9_4")));
69          entitylocation.selectByValue("Minnesota");
70
71          webDriver.findElement(By.id("choice_2_10_1")).click();
72          webDriver.findElement(By.id("choice_2_16_3")).click();
73
74
75          webDriver.findElement(By.id("gform_submit_button_2")).click();
76
77
78      }
```

3.13 Franchising

Test Name: Franchising test				
Description: Test all input fields in franchising form				
Pre-condition(s):				
Test Steps: 1. Click on the Franchising button 2. Assert that Franchising page contains "experienced, multi-unit operators" text 3. Fill out the form bellow the text 4. Click the button to submit the form	**Test Data:** 1.Ema 2. Jamaković 3.ema.jamakovic @stu.ibu.edu.ba4. 999999999 5. Rosulje 6. Visoko 7. 71300	**Expected Result:** Page contains the asserted text and form is submitted successfully.	**Actual Result:** Page contains the asserted text and form is submitted successfully.	**Status:** PASS
Notes:				

```java
43
44    @Test
45    void franchising() {
46        webDriver.get(baseUrl);
47        webDriver.manage().window().maximize();
48
49        webDriver.findElement(By.xpath("//*[@id=\"menu-item-83871\"]/a")).click();
50
51        FluentWait<WebDriver> wait=new FluentWait<WebDriver>(webDriver);
52        wait.withTimeout(Duration.ofSeconds(5));
53        wait.pollingEvery(Duration.ofMillis(250));
54        wait.ignoring(NoSuchElementException.class);
55        wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"metaslider_82453\"]/ul[1]/li[1]/img")));
56
57        String qualifications=webDriver.findElement(By.xpath("//*[@id=\"post-82392\"]/div[1]/div/div/div/p[1]")).getText();
58        assertTrue(qualifications.contains("experienced, multi-unit operators"));
59
60        webDriver.findElement(By.id("input_6_1")).sendKeys("Ema");
61        webDriver.findElement(By.id("input_6_2")).sendKeys("Jamaković");
62        webDriver.findElement(By.id("input_6_3")).sendKeys("ema.jamakovic@stu.ibu.edu.ba");
63
64        webDriver.findElement(By.id("input_6_4")).sendKeys("999999999");
65        webDriver.findElement(By.id("input_6_5_1")).sendKeys("Rosulje");
66        webDriver.findElement(By.id("input_6_5_2")).sendKeys("Visoko");
67        webDriver.findElement(By.id("input_6_5_5")).sendKeys("71300");
68
69        Select country=new Select(webDriver.findElement(By.id("input_6_5_6")));
70        country.selectByValue("Bosnia and Herzegovina");
71
72        webDriver.findElement(By.id("choice_6_6_0")).click();
73        webDriver.findElement(By.id("choice_6_7_0")).click();
74        webDriver.findElement(By.id("choice_6_9_0")).click();
75
76        webDriver.findElement(By.id("gform_submit_button_6")).click();
77
78    }
79
```

3.14 Food Service

Test Name: Food Service test				
Description: Test food service form				
Pre-condition(s):				
Test Steps: 1. Click on Food Service button at the end of page 2. Fill in the form for University/College type of business 3. Click on the submit button to send your form	**Test Data:** 1.Ema 2. Jamaković 3.ema.jamakovic @stu.ibu.edu.ba4. Caribou 5. 999999999 6. Sarajevo 7. 31000	**Expected Result:** All input fields are valid and form submission is successful	**Actual Result:** All input fields are valid and form submission is successful	**Status:** PASS
Notes:				

```
46  @Test
47  void foodService() {
48      webDriver.get(baseUrl);
49
50      webDriver.findElement(By.linkText("FOOD SERVICE")).click();
51      WebDriverWait wait=new WebDriverWait(webDriver, Duration.ofSeconds(5));
52      wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("post-45726")));
53
54      webDriver.findElement(By.id("input_4_1")).sendKeys("Ema");
55      webDriver.findElement(By.id("input_4_2")).sendKeys("Jamaković");
56      webDriver.findElement(By.id("input_4_3")).sendKeys("ema.jamakovic@stu.ibu.edu.ba");
57      webDriver.findElement(By.id("input_4_5")).sendKeys("Caribou");
58      webDriver.findElement(By.id("input_4_4")).sendKeys("999999999");
59
60      webDriver.findElement(By.id("input_4_6_3")).sendKeys("Sarajevo");
61      webDriver.findElement(By.id("input_4_6_5")).sendKeys("31000");
62
63      Select country=new Select(webDriver.findElement(By.id("input_4_6_6")));
64      country.selectByValue("Bosnia and Herzegovina");
65
66      Select businessType=new Select(webDriver.findElement(By.id("input_4_8")));
67      businessType.selectByValue("University/College");
68
69      webDriver.findElement(By.id("choice_4_11_0")).click();
70      webDriver.findElement(By.id("choice_4_12_2")).click();
71
72      Select coffeeBrand=new Select(webDriver.findElement(By.id("input_4_13")));
73      coffeeBrand.selectByValue("Lavazza");
74
75      webDriver.findElement(By.id("choice_4_15_2")).click();
76      webDriver.findElement(By.id("choice_4_17_0")).click();
77      webDriver.findElement(By.id("choice_4_18_2")).click();
78      webDriver.findElement(By.id("choice_4_19_1")).click();
79
80      webDriver.findElement(By.id("gform_submit_button_4")).click();
81
82
```

3.15 Contact Us

Test Name: Contact us test				
Description: Check contact us form				
Pre-condition(s):				
Test Steps:	**Test Data:**	**Expected Result:**	**Actual Result:**	**Status:**
1. Click on the Contact Us button at the footer of the page. 2.Select the help for Caribou Coffee Perks 3. Fill in all input fields, ask your question 4. Click the button at the end to submit the form	1. Almina 2. Šehić 3.almina.sehic@stu.ibu.edu.ba 4. 061270905 5. How do I earn points?	All input fields were successfully filled and submitted.	All input fields were successfully filled and submitted.	PASS
Notes:				

```
43
44⊖    @Test
45     void contactUs() {
46         webDriver.get(baseUrl);
47         webDriver.manage().window().maximize();
48         webDriver.findElement(By.linkText("CONTACT US")).click();
49         FluentWait<WebDriver> wait=new FluentWait<WebDriver>(webDriver);
50         wait.withTimeout(Duration.ofSeconds(5));
51         wait.pollingEvery(Duration.ofMillis(250));
52         wait.ignoring(NoSuchElementException.class);
53         wait.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector("#post-102 > figure > img")));
54
55         Select question=new Select(webDriver.findElement(By.id("input_3_1")));
56         question.selectByValue("Perks Inquiry");
57         wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("field_3_13")));
58
59         Select field=new Select(webDriver.findElement(By.id("input_3_14")));
60         field.selectByValue("Perks Inquiry - Check In");
61         webDriver.findElement(By.id("input_3_2")).sendKeys("Almina");
62         webDriver.findElement(By.id("input_3_3")).sendKeys("Šehić");
63         webDriver.findElement(By.id("input_3_4")).sendKeys("almina.sehic@stu.ibu.edu.ba");
64         webDriver.findElement(By.id("input_3_5")).sendKeys("061270905");
65         webDriver.findElement(By.id("input_3_7")).sendKeys("How do I earn points?");
66
67         webDriver.findElement(By.id("gform_submit_button_3")).click();
68
69
```

3.16 Apparel shopping

Test Name: Test shopping option				
Description: Test does shop apparel section works				
Pre-condition(s):				
Test Steps: 1. Click on Shop button and wait until next page is loaded 2. Click on Apparel section 3. Find item with "Buffalo Plaid Sherpa" name and click on it 4. Select to order medium size 5. Select quantity to be two 6. Click Add to Cart button and wait for the conformation message to be displayed	**Test Data:**	**Expected Result:** The user is taken to the shop apparel section, and he manages to order the item without any problems.	**Actual Result:** The user is taken to the shop apparel section, and he manages to order the item without any problems.	**Status:** PASS
Notes:				

```
44
45⊖    @Test
46     void test() throws InterruptedException {
47         webDriver.get(baseUrl);
48         webDriver.manage().window().maximize();
49         webDriver.findElement(By.linkText("SHOP")).click();
50         FluentWait<WebDriver> wait=new FluentWait<WebDriver>(webDriver);
51         wait.withTimeout(Duration.ofSeconds(5));
52         wait.pollingEvery(Duration.ofMillis(250));
53         wait.ignoring(NoSuchElementException.class);
54         wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"main\"]/div[2]/div/div/div/figure[2]/a/img")));
55
56         webDriver.findElement(By.linkText("Shop Apparel")).click();
57         wait.until(ExpectedConditions.visibilityOfElementLocated(By.linkText("Apparel")));
58
59
60         webDriver.findElement(By.xpath("//*[text()='Buffalo Plaid Sherpa Fleece with Walking Bou']")).click();
61         wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"product-89519\"]/div[2]/h1")));
62
63         Select size=new Select(webDriver.findElement(By.id("pa_size")));
64         size.selectByValue("medium");
65
66         Select quantity=new Select(webDriver.findElement(By.xpath("//*[@id=\"product-89519\"]/div[2]/form/div/div[2]/div/select")));
67         quantity.selectByValue("2");
68
69         webDriver.findElement(By.cssSelector("#product-89519 > div.summary.entry-summary > form > div > div.woocommerce-variation-add-to-cart.variations_button.woocommerce-variatior
70         wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\"main\"]/div[1]/div")));
71
72
```

```
46 on {
47
48 ize();
49 "SHOP")).click();
50 entWait<WebDriver>(webDriver);
51 ds(5));
52 ls(250));
53 ion.class);
54 bilityOfElementLocated(By.xpath("//*[@id=\"main\"]/div[2]/div/div/div/figure[2]/a/img")));
55
56 "Shop Apparel")).click();
57 bilityOfElementLocated(By.linkText("Apparel")));
58
59
60 '*[text()='Buffalo Plaid Sherpa Fleece with Walking Bou']")).click();
61 bilityOfElementLocated(By.xpath("//*[@id=\"product-89519\"]/div[2]/h1")));
62
63 indElement(By.id("pa_size")));
64
65
66 er.findElement(By.xpath("//*[@id=\"product-89519\"]/div[2]/form/div/div[2]/div/select")));
67
68
69 tor("#product-89519 > div.summary.entry-summary > form > div > div.woocommerce-variation-add-to-cart.variations_button.woocommerce-variation-add-to-cart-enabled > button")).click();
70 bilityOfElementLocated(By.xpath("//*[@id=\"main\"]/div[1]/div")));
71
72
```

3.17 Perks Question

Test Name: FAQS option test				
Description: Test does frequently asked questions list contain needed question				
Pre-condition(s):				
Test Steps: 1. Click on the Perks option in navigation bar 2. Click to see all FAQs 3. Click to see questions about Caribou Perks Points 4. Assert that list contains "How do I earn points?" question.	Test Data:	Expected Result: The user is taken to FAQs and asserted question is present on the list.	Actual Result: The user is taken to FAQs and asserted question is present on the list.	Status: PASS
Notes:				

```
43
44    @Test
45    void perksQuestions() {
46        webDriver.get(baseUrl);
47        webDriver.manage().window().maximize();
48
49        webDriver.findElement(By.linkText("PERKS")).click();
50        FluentWait<WebDriver> wait=new FluentWait<WebDriver>(webDriver);
51        wait.withTimeout(Duration.ofSeconds(5));
52        wait.pollingEvery(Duration.ofMillis(250));
53        wait.ignoring(NoSuchElementException.class);
54        wait.until(ExpectedConditions.visibilityOfElementLocated(
55                By.cssSelector("#post-132858 > figure.wp-block-image.alignfull.size-full.ghostkit-d-sm-none.ghostkit-d-md-block > img")));
56
57        webDriver.findElement(By.linkText("SEE ALL FAQS")).click();
58
59        webDriver.findElement(By.partialLinkText("Points")).click();
60
61        WebElement questions=webDriver.findElement(By.xpath("//*[@id=\"gift-cards\"]/div[2]/div[2]/div"));
62        String text=questions.getText();
63        assertTrue(text.contains("How do I earn points? "));
64
65    }
```

9. Conclusion

9.1. Testing Summary

Testing Tool	Total Tests	Passed Tests	Failed Tests
Eclipse IDE and Selenium	17	15	2

Failed Tests:
Product Locator Test
Find Out More Test

9.2. Final Thoughts

For the project itself we are very pleased with our work and the results we got in the end. As for the application we tested we concluded that the only thing we think is unnecessary is providing many links (Login, Account, Join Caribou Perks, Login to Perks) that lead to the same Login page. The reason we think it's unnecessary is because most of them are right next to each other.