

SOFTWARE VERIFICATION, VALIDATION AND TESTING

TESTING DOCUMENTATION

ATLANTBH TESTING

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1. Introduction

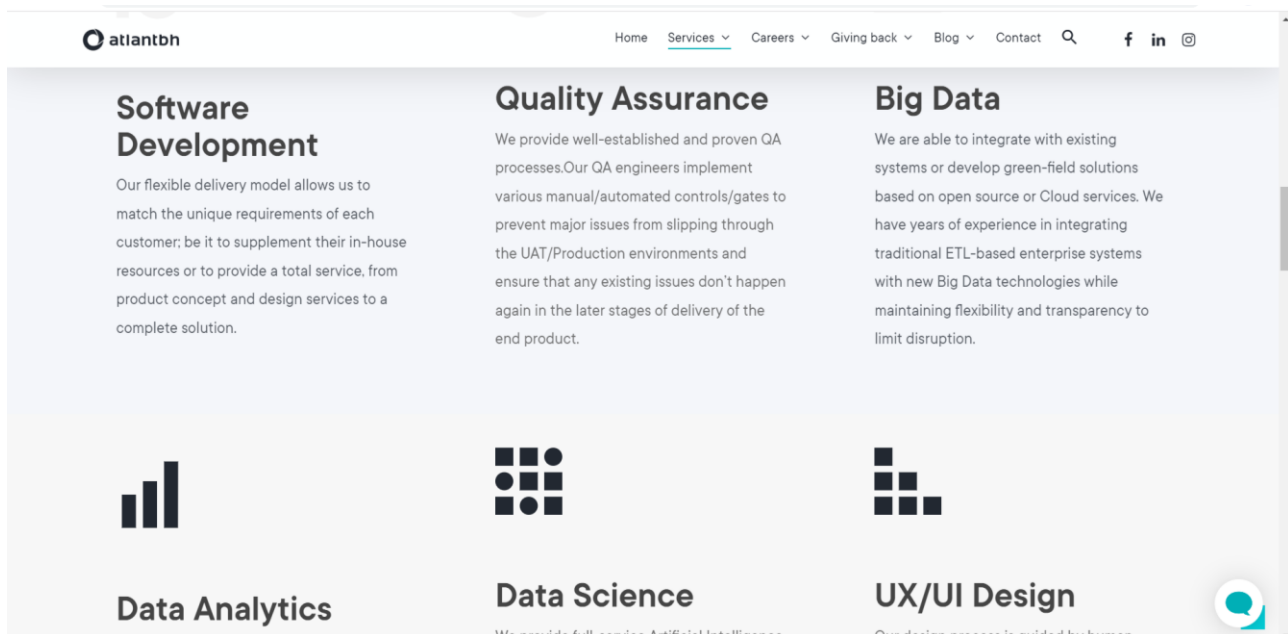
1.1. About the Project

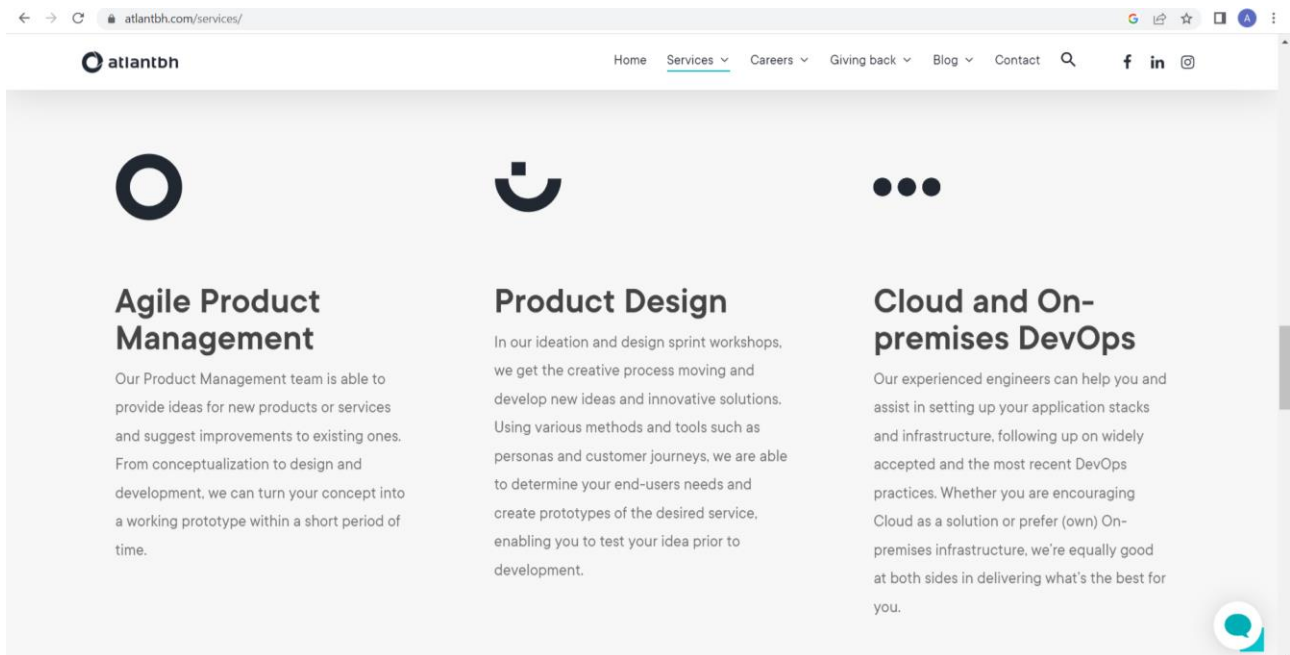
Our group were testing the website of IT company named “Atlantbh”. They deliver modern software systems, transforming your ideas into innovative products with the highest quality, modern design and cost-effective solution. They are dedicated to providing trusted partnerships, whether you need help on an existing software project or with creating a new product from scratch.

Link: <https://www.atlantbh.com/>

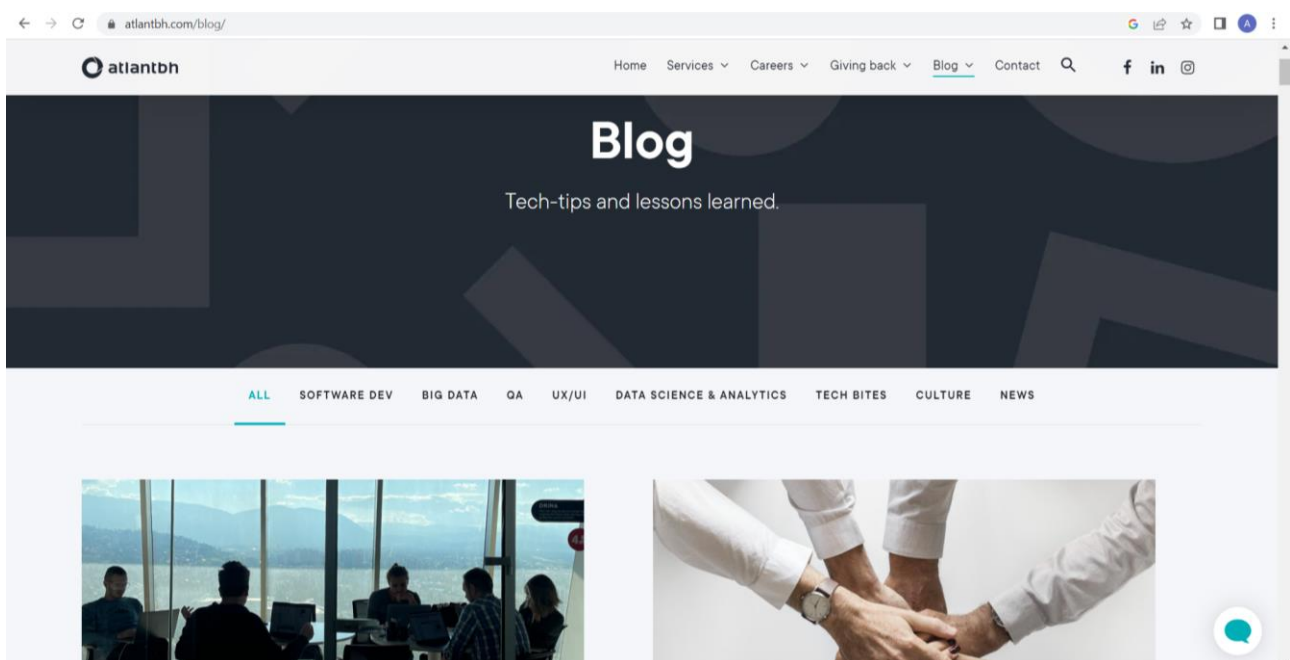
1.2. Project Functionalities and Screenshots

Atlantbh has list of interesting **services** as well as: Software Development, Quality Assurance, Big Data, Data Analytics, Data Science, UX/UI Design, Agile Product Management, Product Design, Cloud and On-premises DevOps. Their goals is to provide you with end-to-end software development services catered to your business needs.





In this website we can also find many **blogs** regarding to interesting topics as well as QA, culture, software development...



There are also some **contact** forms by witch you can ask them whatever you want:

atlantbh

We are a team of 160+ creative thinkers, passionate innovators, fearless creators, ambitious individuals, all striving to create new and remarkable things together.

What more could you ask for from a partner.

Your message:

Tell us about your project needs or ask us anything...

This field is required

Your email:

Enter your email

Your name:

Enter your name

CONTACT US

Schachermayer d.o.o.

Shannon City

On this website you can also find some opportunities for **jobs and scholarships**:

atlantbh

Home Services Careers Giving back Blog Contact

Build your career @Atlantbh

We are 160+ creative thinkers, passionate innovators, fearless creators, ambitious individuals, all striving to create new and remarkable things together. Our team is always growing and you may be the talent we are looking for. Check out our current job openings and build your career @Atlantbh.

Atlantbh Code Challenge

Location: Bosnia and Herzegovina, Federation of Bosnia and Herzegovina, Sarajevo

We Are Always Hiring

Location: Bosnia and Herzegovina, Federation of Bosnia and Herzegovina, Sarajevo

160+ Tech experts

22+ Years of experience

29y Average age

45% Women

2. Test Plan

2.1. Scope

We plan testing whole page, almost every feature.

2.2. Testing Environment and Tools

We are using Selenium and ChromeDriver. For IDE we use Eclipse. We write code in Java programming language.

3. Test Execution

3.1. Test Titles and Search Icon Functionality

Enter the home page and check functionalities of its titles and test functionality of search icon.

Test Name: Titles test				
Description: Test if navigation to titles works and test search icon.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go to home page 2. Click on each title 3. Navigate back to home page 4. Input value in blank field of search icon and press search button.	-input value for search icon	We expected to be successfully guided through pages and search icon functionality.	We were successfully guided through pages and search icon functionality	PASS
Notes:				

```
//1
@Test
void testTitles() throws InterruptedException {
    webDriver.get(baseUrl);
    String title= webDriver.getTitle();
    assertEquals("Atlantbh Sarajevo - We Make Things Look Easy", title);

    webDriver.navigate().to(baseUrl+"/services");
    assertEquals("Services - Atlantbh Sarajevo", webDriver.getTitle());

    webDriver.navigate().to(baseUrl+"/jobs");
    assertEquals("Jobs - Atlantbh Sarajevo", webDriver.getTitle());

    webDriver.navigate().to(baseUrl+"/scholarships");
    assertEquals("Scholarships - Atlantbh Sarajevo", webDriver.getTitle());

    webDriver.navigate().to(baseUrl+"/blog");
    assertEquals("Blog - Atlantbh Sarajevo", webDriver.getTitle());

    webDriver.navigate().to(baseUrl+"/contact");
    assertEquals("Contact - Atlantbh Sarajevo", webDriver.getTitle());

    webDriver.get(baseUrl);
    webDriver.findElement(By.className("search-icon")).click();
    WebElement search = webDriver.findElement(By.id("is-search-input-0"));
    search.sendKeys("Dynamic Programming");
    webDriver.findElement(By.xpath("//*[@id=\"top\"]/div/div/div[2]/nav/ul[1]/li[7]/form/button/span[2]")).click();
}
}
```

3.2. Test Tabs

Test to check if we can access different tabs and manipulate them.

Test Name: Tab test
Description: Test opening tabs and manipulation with them.
Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.Start from Home page. 2.Navigate to Facebook tab and go back to Home page. (close Facebook tab) 3. Navigate to LinkedIn tab and fill sign in form and go back to Home page. (close LinkedIn tab) 4. Navigate to Instagram field and go back to Home page. (close Instagram tab)	-put values for LinkedIn sign in	We expected to be successfully guided through tabs.	We have been successfully guided through tabs.	PASS
Notes:				

```

78 |
79 | //2
80 | @Test
81 | void testTabs() throws InterruptedException {
82 |     webDriver.get(baseUrl);
83 |
84 |     String handle1 = webDriver.getWindowHandle();
85 |     System.out.println(handle1);
86 |
87 |     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[8]/a[1]")).click();
88 |     for (String handle: webDriver.getWindowHandles()) {
89 |         if (!handle.equals(handle1)) {
90 |             webDriver.switchTo().window(handle);
91 |             break;
92 |         }
93 |     }
94 |
95 |     Thread.sleep(5000);
96 |
97 |     webDriver.close();
98 |
99 |     webDriver.switchTo().window(handle1);
100 |
101 |     Thread.sleep(2000);
102 |
103 |
104 |     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[8]/a[2]")).click();
105 |     for (String handle2: webDriver.getWindowHandles()) {
106 |         if (!handle2.equals(handle1)) {
107 |             webDriver.switchTo().window(handle2);
108 |             break;
109 |         }
110 |     }
111 |     WebElement namee=webDriver.findElement(By.xpath("/html/body/div/main/div[2]/div[1]/form/div[1]/input"));
112 |     namee.sendKeys("nametesting");
113 |     WebElement passwordd= webDriver.findElement(By.xpath("/html/body/div/main/div[2]/div[1]/form/div[2]/input"));
114 |     passwordd.sendKeys("testpassword");
115 |
116 |
117 |     Thread.sleep(5000);
118 |
119 |     webDriver.close();

```

```

102
103
104     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[8]/a[2]")).click();
105     for (String handle2: webDriver.getWindowHandles()) {
106         if (!handle2.equals(handle1)) {
107             webDriver.switchTo().window(handle2);
108             break;
109         }
110     }
111     WebElement namee=webDriver.findElement(By.xpath("/html/body/div/main/div[2]/div[1]/form/div[1]/input"));
112     namee.sendKeys("nametesting");
113     WebElement passwordd= webDriver.findElement(By.xpath("/html/body/div/main/div[2]/div[1]/form/div[2]/input"));
114     passwordd.sendKeys("testpassword");
115
116
117     Thread.sleep(5000);
118
119     webDriver.close();
120
121     webDriver.switchTo().window(handle1);
122
123     Thread.sleep(2000);
124
125     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[8]/a[3]")).click();
126     for (String handle3: webDriver.getWindowHandles()) {
127         if (!handle3.equals(handle1)) {
128             webDriver.switchTo().window(handle3);
129             break;
130         }
131     }
132     Thread.sleep(5000);
133
134     webDriver.close();
135
136     webDriver.switchTo().window(handle1);
137
138     Thread.sleep(2000);
139
140     }
141 }
142
143
144

```

3.3. Test Contact Form

User should go to page Contact and fill out form.

Test Name: Tab Contact Form				
Description: Test features of the form.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Start from Home page. 2. Go to Contact field. 3. Fill out the form.	-put values for message, email and name	We expected to fill out form successfully.	We expected to fill out form successfully.	PASS
Notes:				

```

143
144
145     //3
146     @Test
147     void testContactForm()throws InterruptedException {
148         webDriver.get(baseUrl);
149         WebElement contact= webDriver.findElement(By.xpath("//*[@id=\"menu-item-14574\"]/a"));
150         contact.click();
151         Thread.sleep(2000);
152
153         WebElement message= webDriver.findElement(By.name("ask-us"));
154         message.sendKeys("test");
155
156         WebElement email= webDriver.findElement(By.name("form-input-mail"));
157         email.sendKeys("test@gmail.com");
158
159         WebElement name = webDriver.findElement(By.name("form-input-text"));
160         name.sendKeys("tessttt");
161         Thread.sleep(3000);
162     }
163 }
164
165
166
167

```


3.4. Test Services Features

User go to services page and inspect header features.

Test Name: Tab Services Features				
Description: Test header features as name and link				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Go from Home page to Service page. 2. Click accept cookies. 3. Then it will we tested if there exists 2 header elements. 4.Click to link 5.Navigate back to Services		We expected to pass all header features and go successfully to link and navigate back.	We have successfully passed all header features and go to link and navigate back.	PASS
Notes:				

```
66
67
68 //4
69 @Test
70 void testServicesFeatures() throws InterruptedException {
71     webDriver.get(baseUrl);
72     webDriver.findElement(By.cssSelector("#menu-item-1451 > a")).click();
73     Thread.sleep(3000);
74
75     String employee=webDriver.findElement(By.className("hero-header")).getText();
76     assertTrue(employee.contains("Esenja Gušić"));
77
78     WebElement position = webDriver.findElement(By.className("small-hero-paragraph"));
79     assertEquals("Product Manager @Atlantbh", position.getText());
80
81     WebElement a= webDriver.findElement(By.className("hero-link"));
82     assertEquals("MEET ESENA AND OTHER ATLANTERS>", a.getText());
83
84     webDriver.findElement(By.className("hero-link")).click();
85     webDriver.navigate().back();
86
87     Thread.sleep(3000);
88
89 }
90 }
91
```

3.5. Test Email

Test email in Scholarship page.

Test Name: Tab Email				
Description: Test email button in Scholarship Page				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.From Home page click to Givinig back, then click to Scholarship 2.Then click to other link regarding to scholarship for 2022/2023 3.Inspect some elements in header 4.Navigate back 5.Fill out email input field.	-put values in email form	We expected to pass all header features and go successfully to back and fill in email form	We have passed all header features and go successfully to back and fill in email form	PASS
Notes:				

```
190
191
192 //5
193 @Test
194 void testEmail()throws InterruptedException {
195     webDriver.get(baseUrl);
196
197     webDriver.findElement(By.xpath("//*[@id=\"menu-item-18684\"]/a")).click();
198     webDriver.findElement(By.cssSelector("#menu-item-18685 > a")).click();
199     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[1]/div/div/div[6]/div[2]/div/div/div[2]/div/div[2]/div/a[2]")).click();
200     Thread.sleep(2000);
201
202     WebElement elementi= webDriver.findElement(By.xpath("//*[@id=\"page-header-bg\"]/div[2]/div/div/div/h1"));
203     assertEquals("Atlantbh call for Scholarships 2022/2023", elementi.getText());
204
205
206     WebElement elementa= webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[1]/div/div[2]/div/div/div/div/span[2]"));
207     assertEquals("October 3, 2022", elementa.getText());
208
209     String elementb= webDriver.findElement(By.xpath("//*[@id=\"single-below-header\"]/span[1]/span/a")).getText();
210     assertTrue(elementb.contains("Alma Muratovic") );
211
212     webDriver.navigate().back();
213
214     WebElement email= webDriver.findElement(By.xpath("//*[@id=\"mlb2-5847491\"]/div/div/div[1]/form/div[1]/div/div/input"));
215     email.sendKeys("test@gmail.com");
216     Thread.sleep(2000);
217
218 }
219
220 }
221
222
```

3.6. Test Relative Locator

In this test we checked relative locators of Home page icons.

Test Name: Tab Relative Locators				
Description: Test email button in Scholarship Page				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1.On the Home page we checked first icon Home. Button Services which stands right of Home should be clicked.</p> <p>2. Next main element is Services, should click to Careers and then click to Jobs, after that navigate back and go to Home page.</p> <p>3.Next main element is Careers, should click to Giving back and then click to Scholarship after that navigate back and click to Services.</p> <p>4. Next main element is Giving back, should click to Blog, after that navigate back and make clicks to Careers and Jobs.</p> <p>5. Next main element is Blog through relative locator we click to Contact, then navigate back. Through relative locator we click to Giving back and Scholarship.</p> <p>6. Now main element is Contact and through relative locator we click on search icon and then press button x. After that we click on Blog.</p> <p>7.Main element is search icon, we click on Facebook tab, then back control to main tab and close Facebook tab. Then</p>		<p>We expected to pass all relative locators.</p>	<p>We have passed all relative locators testing one by one.</p>	<p>PASS</p>

click to Contact.

Notes: Because of the length and complexity we run tests one by one.

```
120
121
122
123 //6
124 @Test
125 void testrelativeLocators()throws InterruptedException {
126     WebDriver.get(baseUrl);
127     WebElement icon1= webDriver.findElement(By.xpath("//*[id=\"menu-item-1081\"]/a"));
128     webDriver.findElement(
129         RelativeLocator.with(By.xpath("//*[id=\"menu-item-1451\"]/a"))
130         .toRightOf(icon1)).click();
131
132     WebElement icon2 = webDriver.findElement(By.xpath("//*[id=\"menu-item-1451\"]/a"));
133     webDriver.findElement(
134         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[3]/a"))
135         .toRightOf(icon2)).click();
136     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[3]/ul/li[1]/a")).click();
137     webDriver.navigate().back();
138     webDriver.findElement(
139         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[1]"))
140         .toLeftOf(icon2)).click();
141
142     WebElement icon3 = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[3]/a"));
143
144     webDriver.findElement(
145         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[4]/a"))
146         .toRightOf(icon3)).click();
147     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[4]/ul/li/a")).click();
148     webDriver.navigate().back();
149     webDriver.findElement(
150         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[2]/a"))
151         .toLeftOf(icon3)).click();
152
153     WebElement icon4 = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[4]/a"));
154
155     webDriver.findElement(
156         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[5]/a"))
157         .toRightOf(icon4)).click();
158     webDriver.navigate().back();
159     webDriver.findElement(
160         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[3]/a"))
161         .toLeftOf(icon4)).click();
162     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[3]/ul/li[1]/a")).click();
```

```
atlantiselenium.java x
248     webDriver.navigate().back();
249     webDriver.findElement(
250         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[2]/a"))
251         .toLeftOf(icon3)).click();
252
253     WebElement icon4 = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[4]/a"));
254
255     webDriver.findElement(
256         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[5]/a"))
257         .toRightOf(icon4)).click();
258     webDriver.navigate().back();
259     webDriver.findElement(
260         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[3]/a"))
261         .toLeftOf(icon4)).click();
262     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[3]/ul/li[1]/a")).click();
263
264     WebElement icon5 = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[5]/a"));
265     webDriver.findElement(
266         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[6]/a"))
267         .toRightOf(icon5)).click();
268     webDriver.navigate().back();
269     webDriver.findElement(
270         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[4]/a"))
271         .toLeftOf(icon5)).click();
272     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[4]/ul/li/a")).click();
273
274     WebElement icon6 = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[6]/a"));
275     webDriver.findElement(
276         RelativeLocator.with(By.className("search-icon"))
277         .toRightOf(icon6)).click();
278     Thread.sleep(2000);
279     webDriver.findElement(By.xpath("//*[id=\"top\"]div/div/div[2]/nav/ul[1]/li[7]/div")).click();
280     webDriver.findElement(
281         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[5]/a"))
282         .toLeftOf(icon6)).click();
283
284     WebElement icon7 = webDriver.findElement(By.className("search-icon"));
285
286     webDriver.findElement(
287         RelativeLocator.with(By.cssSelector("#social-in-menu > a:nth-child(1) > i"))
288         .toRightOf(icon7)).click();
289
290     String handle1 = webDriver.getWindowHandle();
291     System.out.println(handle1);
```

```

atlantelenium.java x
269     webDriver.findElement(
270         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[4]/a"))
271         .toLeftOf(icon5)).click();
272     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[4]/ul/li/a")).click();
273
274     WebElement icon6 = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[6]/a"));
275     webDriver.findElement(
276         RelativeLocator.with(By.className("search-icon"))
277         .toRightOf(icon6)).click();
278     Thread.sleep(2000);
279     webDriver.findElement(By.xpath("//*[id=\\\"top\\\"]/div/div/div[2]/nav/ul[1]/li[7]/div")).click();
280     webDriver.findElement(
281         RelativeLocator.with(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[5]/a"))
282         .toLeftOf(icon6)).click();
283
284     WebElement icon7 = webDriver.findElement(By.className("search-icon"));
285
286     webDriver.findElement(
287         RelativeLocator.with(By.cssSelector("#social-in-menu > a:nth-child(1) > i"))
288         .toRightOf(icon7)).click();
289
290     String handle1 = webDriver.getWindowHandle();
291     System.out.println(handle1);
292     for (String handle: webDriver.getWindowHandles()) {
293         if (!handle.equals(handle1)) {
294             webDriver.switchTo().window(handle);
295             break;
296         }
297     }
298     Thread.sleep(5000);
299
300     webDriver.close();
301
302     webDriver.switchTo().window(handle1);
303
304     Thread.sleep(2000);
305     webDriver.findElement(
306         RelativeLocator.with(By.xpath("//*[id=\\\"menu-item-14574\\\"]/a"))
307         .toLeftOf(icon7)).click();
308
309 }
310 }
311

```

3.7. Scholarship Form Test

In this test we navigate to pages and fill in scholarship form.

Test Name: Tab Scholarship Form				
Description: Test Scholarship Form files				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.Start from Home page, then click to Giving back and Scholarships. 2. Accept cookies 3. Click to link regarding to scholarship 2022/2023 4. At the bottom of the page fill in empty fields (reply, name, email, website) and click first statement	-put values in fields reply, name, email, website	We expected to successfully pass to scholarship form and fill in empty fields	We have successfully passed to scholarship form and fill in empty fields	PASS
Notes:				

```

313
314
315 //7
316 @Test
317 void testForm() throws InterruptedException {
318     webDriver.get(baseUrl);
319     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[4]/a")).click();
320     webDriver.findElement(By.LinkText("Scholarships")).click();
321
322     webDriver.findElement(By.className("entire-meta-link")).click();
323     Thread.sleep(3000);
324
325     WebElement comment= webDriver.findElement(By.id("comment"));
326     comment.sendKeys("testhello");
327     WebElement name= webDriver.findElement(By.id("author"));
328     name.sendKeys("aminatest");
329     WebElement email= webDriver.findElement(By.id("email"));
330     email.sendKeys("test@gmail.com");
331     WebElement website= webDriver.findElement(By.id("url"));
332     website.sendKeys("https://www.atlantbh.com/five-years-of-atlantbh-scholarships/");
333
334     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div[2]/div/div/div/form/p[1]")).click();
335     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div[2]/div/div/div/form/p[2]")).click();
336     Thread.sleep(5000);
337
338 }
339 }

```

3.8. Test Application Form

User should go through some links and fill in application form.

Test Name: Test Application Form				
Description: Navigate to application form then fill it				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.On the Home page click to link “Meet our experts” 3. Accept cookies 2. Then click next link “join now” 3. Show less paragraph 4. Then click Atlantbh Code challenge 5. Click to application on the navbar 6. Fill in some first empty fields 7. Click to add button beside Education, fill in empty fields and click save button 8. Click to add button beside Experience, fill in form and click save button 9. Fill in fields for Summary and Cover letter 10. Click “yes”	-put values in fields for first name, last name, email, phone, address - fields in Education form - fields in Experience form	We expected to successfully pass to application form and fill in empty fields	We have successfully passed to application form and fill in empty fields	PASS
Notes:				

```

340
341 //8
342 @Test
343 void applicationForm() throws InterruptedException {
344     WebDriver.get(baseUrl);
345     Thread.sleep(3000);
346     WebDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[1]/div/div/div[5]/div[2]/div[2]/div/div[3]/div/div/div[2]/div/div/div[2]/a")).click();
347     Thread.sleep(5000);
348     WebDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div[2]/div[2]/div/div/div[2]/a/span")).click();
349     WebDriver.findElement(By.xpath("/html/body/div/div/div/div/div[2]/div/div/div/button")).click();
350     Thread.sleep(3000);
351     WebDriver.findElement(By.xpath("/html/body/div/div/div/main/div[2]/ul/li[1]/div/a")).click();
352     Thread.sleep(3000);
353     WebDriver.findElement(By.cssSelector("#app > div > div > div > nav > a:nth-child(3)")).click();
354     Thread.sleep(3000);
355     WebElement name=WebDriver.findElement(By.id("firstname"));
356     name.sendKeys("test");
357     WebElement lastname=WebDriver.findElement(By.id("lastname"));
358     lastname.sendKeys("testitest");
359     WebElement email=WebDriver.findElement(By.id("email"));
360     email.sendKeys("test@gmail.com");
361     WebElement phone= WebDriver.findElement(By.xpath("/html/body/div/div/div/div/main/form/section[1]/div[2]/div[4]/label/div/div/div/div/input"));
362     phone.sendKeys("0615555555");
363     Thread.sleep(3000);
364
365     WebElement address=WebDriver.findElement(By.id("address"));
366     address.sendKeys("testiranje");
367     WebDriver.findElement(By.xpath("/html/body/div/div/div/div/main/form/section[2]/div[2]/div[1]/div/div/button")).click();
368     WebElement school=WebDriver.findElement(By.id("school"));
369     school.sendKeys("school");
370     WebElement study=WebDriver.findElement(By.id("field_of_study"));
371     study.sendKeys("it");
372     WebElement degree=WebDriver.findElement(By.id("degree"));
373     degree.sendKeys("bachlor");
374     Thread.sleep(3000);
375
376     WebDriver.findElement(By.xpath("/html/body/div/div/div/div/main/form/section[2]/div[2]/div[1]/ul/li/div/div[4]/label/div/div/div/div/input")).click();
377     WebDriver.findElement(By.xpath("/html/body/div/div/div/div/main/form/section[2]/div[2]/div[1]/ul/li/div/div[4]/label/div[2]/div/div/button"));
378     WebDriver.findElement(By.xpath("/html/body/div/div/div/div/main/form/section[2]/div[2]/div[1]/ul/li/div/div[4]/label/div[2]/div/div/div[2]/div[1]/div[1]")).click();
379     WebDriver.findElement(By.xpath("/html/body/div/div/div/div/main/form/section[2]/div[2]/div[1]/ul/li/div/div[5]/label/div/div/div/div/input")).click();

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72 webDriver.findElement(By.id("degree")).click();
73 degree.sendKeys("bachelor");
74 Thread.sleep(3000);
75
76 webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[2]/div[2]/div[1]/ul/li/div/div[4]/label/div/div/div/div/input")).click();
77 webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[2]/div[2]/div[1]/ul/li/div/div[4]/label/div[2]/div/button"));
78 webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[2]/div[2]/div[1]/ul/li/div/div[4]/label/div[2]/div/div/div/div[1]/div[1]")).click();
79 webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[2]/div[2]/div[1]/ul/li/div/div[5]/label/div/div/div/div/input")).click();
80 webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[2]/div[2]/div[1]/ul/li/div/div[5]/label/div[2]/div/div/div/div[1]/div[1]")).click();
81 webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[2]/div[2]/div[1]/ul/li/div/div[6]/button[1]")).click();
82 Thread.sleep(10000);
83
84 webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[2]/div[2]/div[2]/div/button")).click();
85 WebElement title=webDriver.findElement(By.id("title"));
86 title.sendKeys("engineer");
87 WebElement company=webDriver.findElement(By.id("company"));
88 company.sendKeys("International Burch University");
89 WebElement industry=webDriver.findElement(By.id("industry"));
90 industry.sendKeys("IT");
91 WebElement summary=webDriver.findElement(By.id("summary"));
92 summary.sendKeys("testing");
93 Thread.sleep(10000);
94
95
96 webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[2]/div[2]/div[2]/ul/li/div/div[5]/label/div/div/div/div/input")).click();
97 webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[2]/div[2]/div[2]/ul/li/div/div[5]/label/div[2]/div/div/div/div[1]/div[1]")).click();
98
99 webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[2]/div[2]/div[2]/ul/li/div/div[7]/button[1]")).click();
100 Thread.sleep(10000);
101
102
103 WebElement summary1= webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[2]/div[2]/div[3]/label/div/div/textarea"));
104 summary1.sendKeys("testingtesting");
105 WebElement details= webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[3]/div[2]/div[1]/label/div/div/textarea"));
106 details.sendKeys("coverletter");
107 webDriver.findElement(By.xpath("/html/body/div/div/div/main/form/section[3]/div[2]/div[2]/div/div/div/div[1]/label/div/div/div/div[1]/div[1]")).click();
108 Thread.sleep(10000);
109
110 }
111 }
112 }
113
114

```

3.9. Test QAmP page functionalities

This test will inspect elements, email and source on page QAmP.

Test Name: Tab QAmP				
Description: Test QAmP elements, mail and source				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.Start from Home page, click to Careers, then click to Atlantbh QAmP 2. Inspect 3 elements and source on the page 3. Fill in email form	-put values in email	We expected to successfully inspect elements, source and fill in email form	We have successfully inspected elements, source and fill in email form	PASS
Notes:				

```

//9
@Test
void testQAmP() throws InterruptedException {
    webDriver.get(baseUrl);
    Thread.sleep(3000);
    webDriver.findElement(By.xpath("//*[id='menu-item-17838']/a")).click();
    webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul/li[3]/ul/li[3]/a")).click();

    String ime = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div[4]/div[2]/div[2]/div/div[2]/div/h2")).getText();
    assertTrue(ime.contains("Senita Isović"));
    Thread.sleep(3000);

    String ime1 = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div[5]/div[2]/div[1]/div/div[2]/div/h2")).getText();
    assertTrue(ime1.contains("Maja Mujanović"));

    WebElement ime3 = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div[6]/div[2]/div[2]/div/div[2]/div/h2"));
    assertEquals("Damir Čović", ime3.getText());

    String source= webDriver.getPageSource();
    assertTrue(source.contains("wp-content"));

    WebElement aa= webDriver.findElement(By.xpath("//*[id='mlb2-5847491']/div/div/div[1]/form/div[1]/div/div/input"));
    aa.sendKeys("test@gmail.com");
    Thread.sleep(2000);

}
}

```


3.10. Test Search Icon

User click to search icon and go to page and navigate back and close icon.

Test Name: Tab Search Icon				
Description: Test Search icon functionalities and arrows on the page				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.Start from Home page, click to search icon and click to search button. 2. Click on the bottom of the site to next arrow 3. On the bottom of the site click to previous arrow 4. Go back to Home page 5. Click again on the search icon 6. Click button x		We expected to successfully inspect elements and search icon functionalities	We have successfully inspected elements and search icon functionalities	PASS
Notes:				

```
142
143
144 //10
145 @Test
146 void testSearchIcon() throws InterruptedException {
147     WebDriver.get(baseUrl);
148     WebDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[7]/a")).click();
149
150     Thread.sleep(3000);
151     WebDriver.findElement(By.xpath("//*[id=\"top\"]/div/div/div[2]/nav/ul[1]/li[7]/form/button/span[2]")).click();
152
153     WebElement text= WebDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[1]/div/div/div/div/span"));
154     assertEquals("260 results found", text.getText());
155     WebDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div/div[2]/div[2]/a")).click();
156     WebDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div/div[2]/div[1]")).click();
157     WebDriver.get(baseUrl);
158     Thread.sleep(3000);
159
160     WebDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[7]/a")).click();
161     Thread.sleep(3000);
162     WebDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[7]/div")).click();
163     Thread.sleep(3000);
164
165 }
166
167 }
168
169
```

3.11. Test Jobs links

User can scroll in Jobs page and click to one link, then go back to old page and choose another link.

Test Name: Tab Search Icon				
Description: Test Search icon functionalities and arrows on the page				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.Start from Home page, go to Careers and click Jobs. 2. We can scroll a little bit to see 2 links 3. Click to first link 4. Go back to page 5. Click to another link 6. Go back to page		We expected to scroll works successfully and we go to both links	Scroll works successfully and we go to both links	PASS
Notes:				

```
469 //11
470
471 @Test
472 void testJobsLinks() throws InterruptedException {
473     WebDriver.get(baseUrl);
474     JavascriptExecutor js = (JavascriptExecutor) webDriver;
475
476     Thread.sleep(3000);
477     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[3]/a")).click();
478     WebElement jobs = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[3]/ul/li[1]/a"));
479     js.executeScript("arguments[0].click()", jobs);
480     js.executeScript("window.scrollTo(0, 600);");
481     Thread.sleep(1000);
482
483     WebElement text1 = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[1]/div/div[2]/div[2]/div/div[2]/div[1]/div[2]/div[2]/div/div/div/ul/"));
484     js.executeScript("arguments[0].click()", text1);
485     Thread.sleep(2000);
486     webDriver.navigate().back();
487     WebElement text2 = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[1]/div/div[2]/div[2]/div/div[2]/div[1]/div[2]/div[2]/div/div/div/ul/"));
488     js.executeScript("arguments[0].click()", text2);
489     Thread.sleep(2000);
490     webDriver.navigate().back();
491
492 }
493
494
495
496
```

3.12. Test Quality Assurance

User go to read more and click to page numbers

Test Name: Tab Search Icon				
Description: Test Search icon functionalities and arrows on the page				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.Start from Home page, click to Services and click to Quality Assurance folder. 2. Click “Hire our teams” and navigate back. 3. Click “Read more” button 4. On the bottom of the page click to number 2, then to number 3 and 4.		We expected to links and number buttons work properly	Links and number buttons work properly	PASS
Notes:				

```
//12
@Test
void testNumbers() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[2]/a")).click();
    webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[1]/div/div/div[3]/div[2]/div[2]/div/div/a")).click();
    webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[1]/div/div/div[5]/div[2]/div[4]/div/div[2]/a/span")).click();
    Thread.sleep(2000);
    webDriver.navigate().back();
    webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[1]/div/div/div[6]/div[2]/div/div/div[2]/div[2]/div/div/div[2]/a")).click();
    webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div/div[2]/a[1]")).click();
    Thread.sleep(3000);
    webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div/div[2]/a[3]")).click();
    Thread.sleep(4000);
    webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div/div[2]/a[4]")).click();
    Thread.sleep(3000);
}
}
```

3.13. Test Photo

User go to Quality Assurance page and click link. Then see many photos, click on the first, then click wherever on the photo to exit. After that, navigate to previous page and fill in form.

Test Name: Test Photo				
Description: Go through link to photo and navigate back to previous page and fill in the form.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.Start from Home page, go to Services and select Quality Assurance tab. 2. Click the first link 3. Click first photo 4.Click somewhere to exit 5. Navigate back to previous page 6. Fill in the form on the bottom of the page	-Input values for message, email and name	We expected photo to be clickable and to fill in form successfully	Photo is clickable and form is filled in successfully	PASS
Notes:				

```
//13
@Test
void testPhotoAndForm() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul[1]/li[2]/a")).click();

    webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[1]/div/div/div[3]/div[2]/div[2]/div/div/div/a")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[1]/div/div/div[1]/div[2]/div/div/div[2]/div[2]/div/div/div/div/a")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div[1]/div[2]/div/div/div[2]/div[2]/div[2]/div[1]/div/div[2]/div/div[2]")).click();
    Thread.sleep(3000);
    webDriver.findElement(By.xpath("/html/body/div[5]/div")).click();
    Thread.sleep(2000);
    webDriver.navigate().back();
    Thread.sleep(3000);

    WebElement text= webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[1]/div/div/div[7]/div[2]/div/div/div[2]/div/form/div[2]/div[1]/span/textarea"));
    text.sendKeys("test1");

    WebElement email= webDriver.findElement(By.name("form-input-mail"));
    email.sendKeys("test@gmail.com");

    WebElement name = webDriver.findElement(By.name("form-input-text"));
    name.sendKeys("Testtiranje");
    Thread.sleep(3000);
}
}
```

3.14. Test QAelements

User can go to Blog page and select QA tab. Then click on the link of the first photo and like emoji on the post.

Test Name: Test QA elements				
Description: Inspect element on the Blog page and QA tab				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.Start from Home page, click to Blog and select QA tab. 2. Click on the first photo 3. Click on the first link 4. Like the post		We expected that photo and emoji are clickable	Photo and emoji are clickable	PASS
Notes:				

```
47
50
51 //14
52
53 @Test
54 void testQA() throws InterruptedException {
55     webDriver.get(baseUrl);
56     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[2]/header/div/div/div[2]/nav/ul/li[5]/a")).click();
57     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div[2]/div/div/div[2]/div/div/ul/li[4]/a/span")).click();
58     Thread.sleep(2000);
59     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div/div[2]/div/div/div[4]/div[1]/div/div/article[1]/div/div/div/a")).cl
60     Thread.sleep(2000);
61     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div[1]/div/article/div/div/div/div[2]/div[2]/div/div/div[5]/div[2]/div/div/div[2]/div/div/
62     webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div/div/article/div/div/div[2]/div/a/i")).click();
63     Thread.sleep(2000);
64     webDriver.navigate().back();
65     Thread.sleep(3000);
66
67
68 }
69
70
```

3.15. Test Map View

User go to Contact page and by scrolling see it`s features.

Test Name: Test Map View				
Description: Scrolling to see features				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.Start from Home page, click to Contact. 2. Scroll down to form, then scroll to title above 3. Scroll down to the bottom of the page to see map		We expected scroll functionate properly and user can see features	User can clearly see features	PASS
Notes:				

```

//15
@Test
void testMapView() throws InterruptedException {
    webDriver.get(baseUrl);

    JavascriptExecutor js = (JavascriptExecutor) webDriver;

    WebElement contactLink = webDriver.findElement(By.LinkText("Contact"));
    js.executeScript("arguments[0].click()", contactLink);

    js.executeScript("window.scrollTo(0, 600);");
    Thread.sleep(1000);
    js.executeScript("window.scrollTo(0, -600);");
    Thread.sleep(1000);

    WebElement map = webDriver.findElement(By.xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div/div/div[3]/div[2]"));
    js.executeScript("arguments[0].scrollIntoView(true);", map);

    Thread.sleep(3000);
}
}

```

9. Conclusion

9.1. Testing Summary

Provide a summary of all your executed tests. Something like this would be alright:

Testing Tool	Total Tests	Passed Tests	Failed Tests
We use Selenium and ChromeDriver. For IDE we use Eclipse	15	# of passing tests 15	# of failing tests 0

9.2. Final Thoughts

We suppose testing Atlantbh webpage is done on the appropriate way. We tried to cover all features and important informations. This webpage is very interesting and easy accessible to users. We learned a lot through this project.