

Name -VISHAL BHAUSAHEB KHOJE

Q2. Test any website and write the script for testing textbox, dropdown, checkbox, radio button, keyboard handling and mouse events for the registration form.

```
1 package LAB_TEST;
2
3 import java.util.concurrent.TimeUnit;
4 import org.openqa.selenium.By;
5 import org.openqa.selenium.Keys;
6 import org.openqa.selenium.WebDriver;
7 import org.openqa.selenium.WebElement;
8 import org.openqa.selenium.chrome.ChromeDriver;
9 import org.openqa.selenium.interactions.Action;
10 import org.openqa.selenium.interactions.Actions;
11 import org.openqa.selenium.support.ui.Select;
12
13 public class Q2 {
14
15     public static void main(String[] args) {
16
17         System.setProperty("webdriver.chrome.driver", "C:\\Users\\USER\\Desktop\\selljar\\chromedriver\\chromedriver.exe");
18         WebDriver driver = new ChromeDriver();
19         Actions builder = new Actions(driver);
20         //Text Box
21         driver.get("https://seleniumbase.io/demo_page");
22         WebElement s1 = driver.findElement(By.xpath("//*[@id='myTextInput']"));
23
24         //Send Keys
25         s1.sendKeys("Uttar Pradesh 201307");
26         System.out.println("text box found and sending the keys in textbox is successfully done");
27         driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
28
29         //DropDown
30         driver.get("https://seleniumbase.io/demo_page");
31         Select s = new Select(driver.findElement(By.name("selectName")));
32
33         s.selectByValue("25%");
34         driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
35         System.out.println("Select By Value is Done");
36
37         s.selectByVisibleText("Set to 50%");
38         driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
39         System.out.println("select by visible text is Done");
40
41         s.selectByIndex(3);
42         driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
43         System.out.println("select by index is done");
44
45         //Radio Button
46         driver.get("https://seleniumbase.io/demo_page");
47         WebElement r1 = driver.findElement(By.id("radioButton1"));
48         WebElement r2 = driver.findElement(By.cssSelector("#radioButton2"));
49         r1.click();
50         driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
51         System.out.println("radio 1 selected");
52         r2.click();
53         driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
54         System.out.println("radio 2 selected");
55     }
56 }
```

```

54 driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
55 System.out.println("radio 2 selected");
56
57
58
59 //CheckBox
60
61 WebElement t1 = driver.findElement(By.id("checkBox2"));
62 WebElement t2 = driver.findElement(By.xpath("//*[@id=\"checkBox3\"]"));
63 WebElement t3 = driver.findElement(By.cssSelector("#checkBox4"));
64 t1.click();
65 driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
66 if (t1.isSelected()) {
67     System.out.println("t1 Checkbox Marked ");
68 } else {
69     System.out.println("t1 Checkbox Unmarked");
70 }
71 t1.click();
72 driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
73 if (!t1.isSelected()) {
74     System.out.println("t1 Checkbox Unmarked");
75 }
76 t2.click();
77 driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
78 if (t2.isSelected()) {
79     System.out.println("t2 Checkbox Marked");
80 } else {
81     System.out.println("t2 Checkbox Unmarked");
82 }
83 t2.click();
84 driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
85 if (!t2.isSelected()) {
86     System.out.println("t2 Checkbox Unmarked");
87 }
88 t3.click();
89 driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
90 if (t3.isSelected()) {
91     System.out.println("t2 Checkbox Marked");
92 } else {
93     System.out.println("t3 CheckboxUnmarked");
94 }
95 t3.click();
96 driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
97 if (!t3.isSelected()) {
98     System.out.println("t3 Checkbox Unmarked");
99 }
100
101 //Mouse Handling
102 driver.get("https://seleniumbase.io/demo_page");

```

```

103
104 driver.manage().window().maximize();
105 driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
106 Actions actions = new Actions(driver);
107
108 WebElement menu = driver.findElement(By.xpath("//*[@id=\"myDropdown\"]"));
109 actions.moveToElement(menu).perform();
110 driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
111 System.out.println("Mouse Hover Done on Support");
112
113 //Keyboard Handling
114 driver.get("https://www.hackerrank.com/auth/login");
115 WebElement Username = driver.findElement(By.id("input-1"));
116 Action seriesOfActions = builder.moveToElement(Username).click().keyDown(Username, Keys.SHIFT)
117     .sendKeys(Username, "vishal_khoje").keyUp(Username, Keys.SHIFT).release().doubleClick(Username)
118     .contextClick().build();
119
120 seriesOfActions.perform();
121 System.out.println("PASS: Move to Element");
122 System.out.println("PASS: Key Down");
123 System.out.println("PASS: Key UP");
124 System.out.println("PASS: SendKeys");
125 System.out.println("PASS: release");
126
127 System.out.println("PASS: release");
128
129 System.out.println("Keyboard Handling is done");
130
131 driver.quit();
132 }
133



```

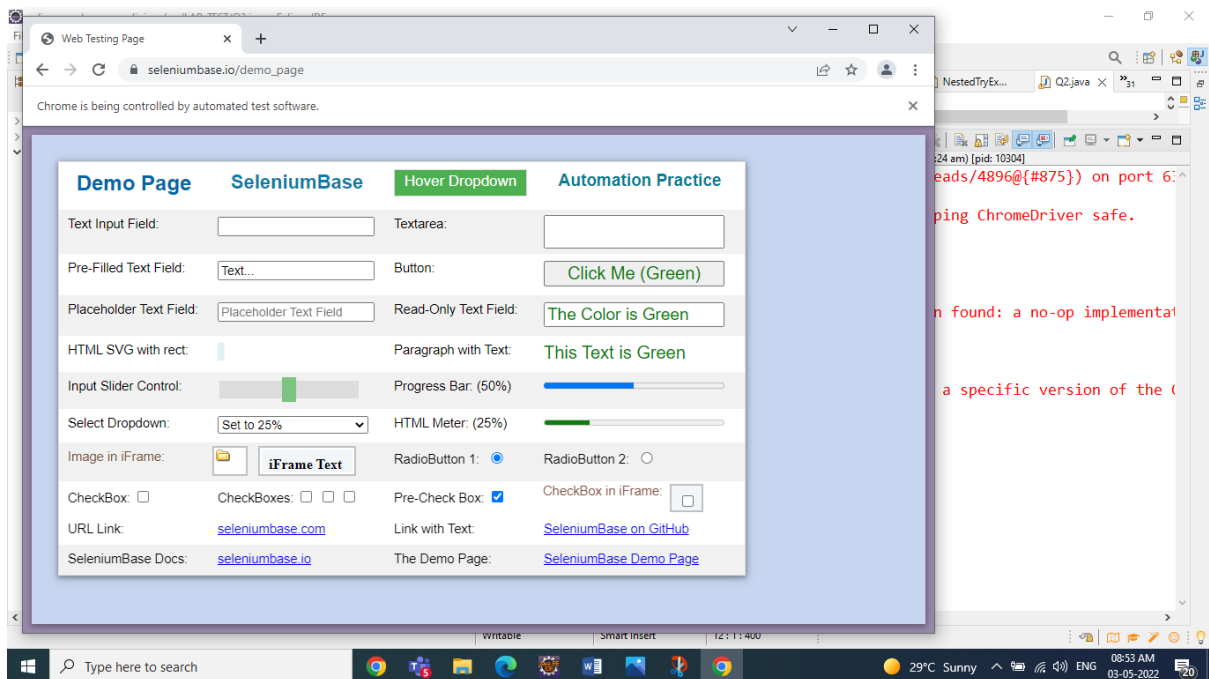
```

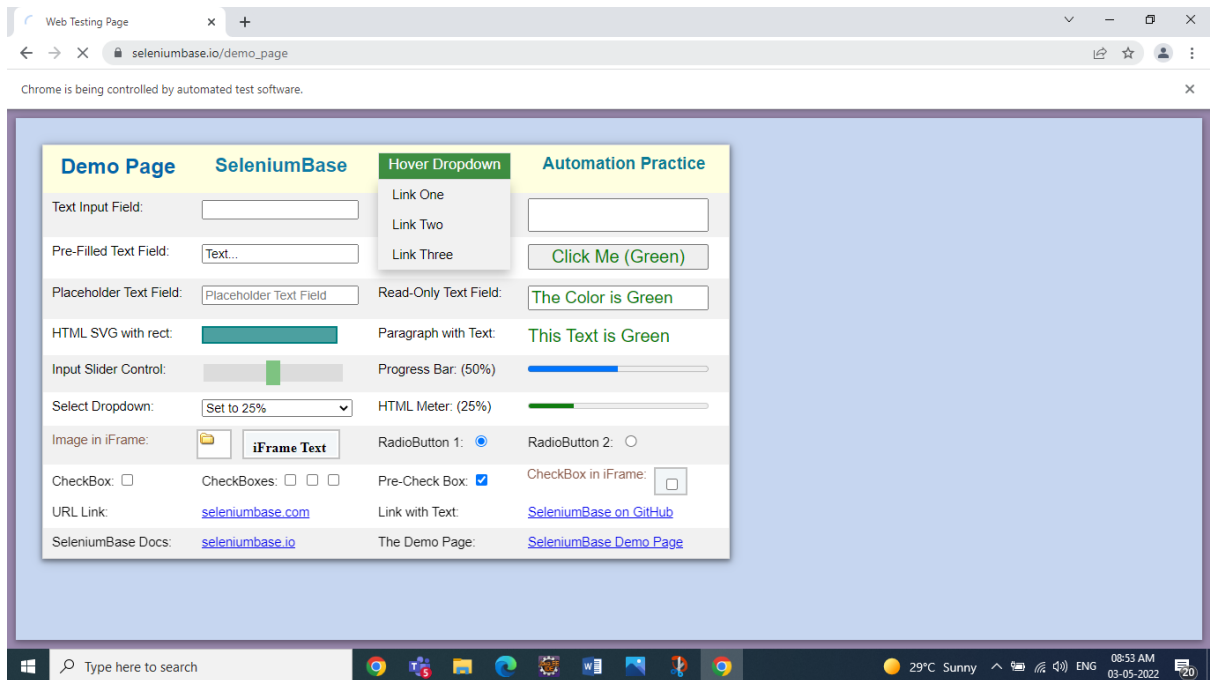
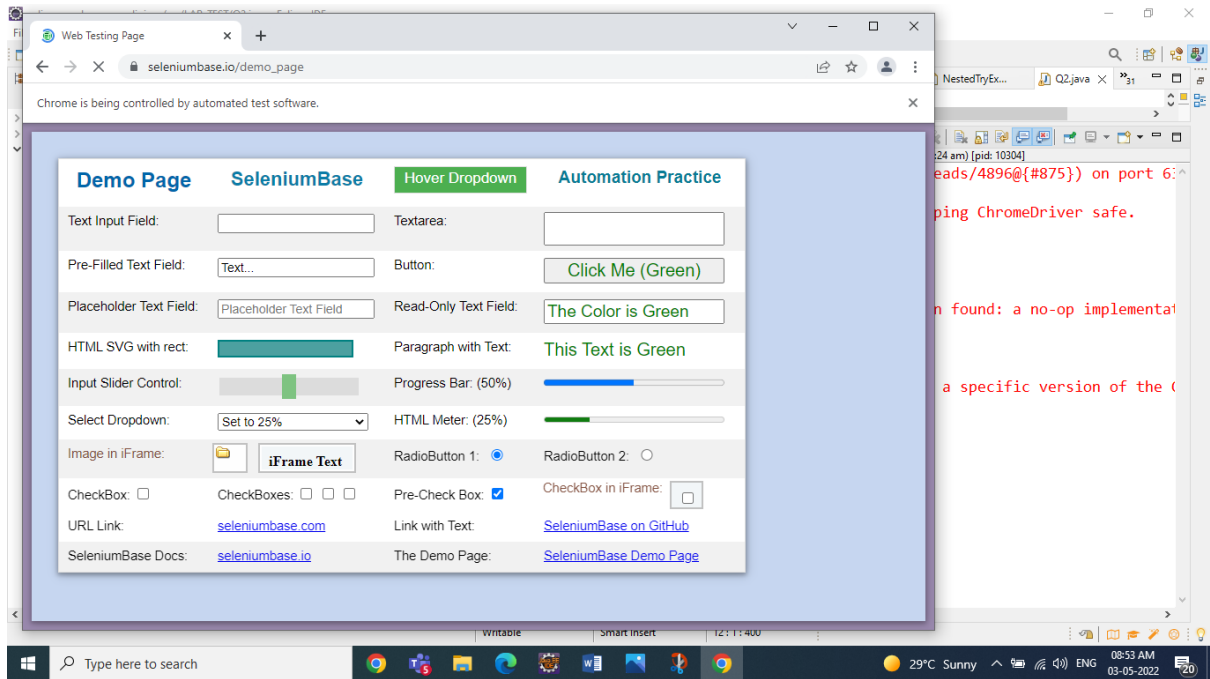
Starting ChromeDriver 100.0.4896.60 (6a5d10861ce8de5fce22564658033b43cb7de047-refs/branch-heads/4896@{#875}) on port 6099
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
May 03, 2022 8:17:16 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
May 03, 2022 8:17:16 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 100, so returning the closest version found: a no-op implementation
May 03, 2022 8:17:16 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
INFO: Unable to find CDP implementation matching 100.
May 03, 2022 8:17:16 AM org.openqa.selenium.chromium.ChromiumDriver lambda$new$3
WARNING: Unable to find version of CDP to use for . You may need to include a dependency on a specific version of the CDP
text box found and sending the keys in textbox is successfully done
Select By Value is Done
select by visible text is Done
select by index is done
radio 1 selected
radio 2 selected
t1 Checkbox Marked
t1 Checkbox Unmarked
t2 Checkbox Marked
t2 Checkbox Unmarked
t2 Checkbox Marked
t2 Checkbox Unmarked
t2 Checkbox Marked
t3 Checkbox Unmarked
Mouse Hover Done on Support
PASS: Move to Element
PASS: Key Down
PASS: Key UP
PASS: SendKeys
PASS: release
Keyboard Handling is done

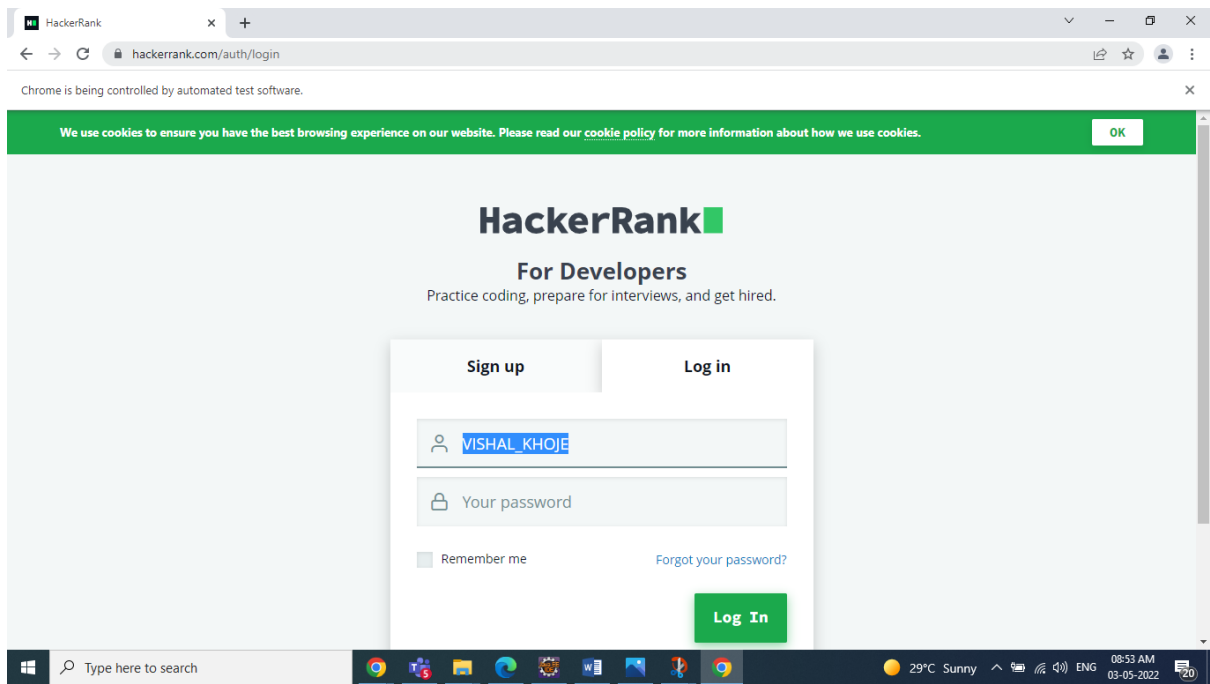
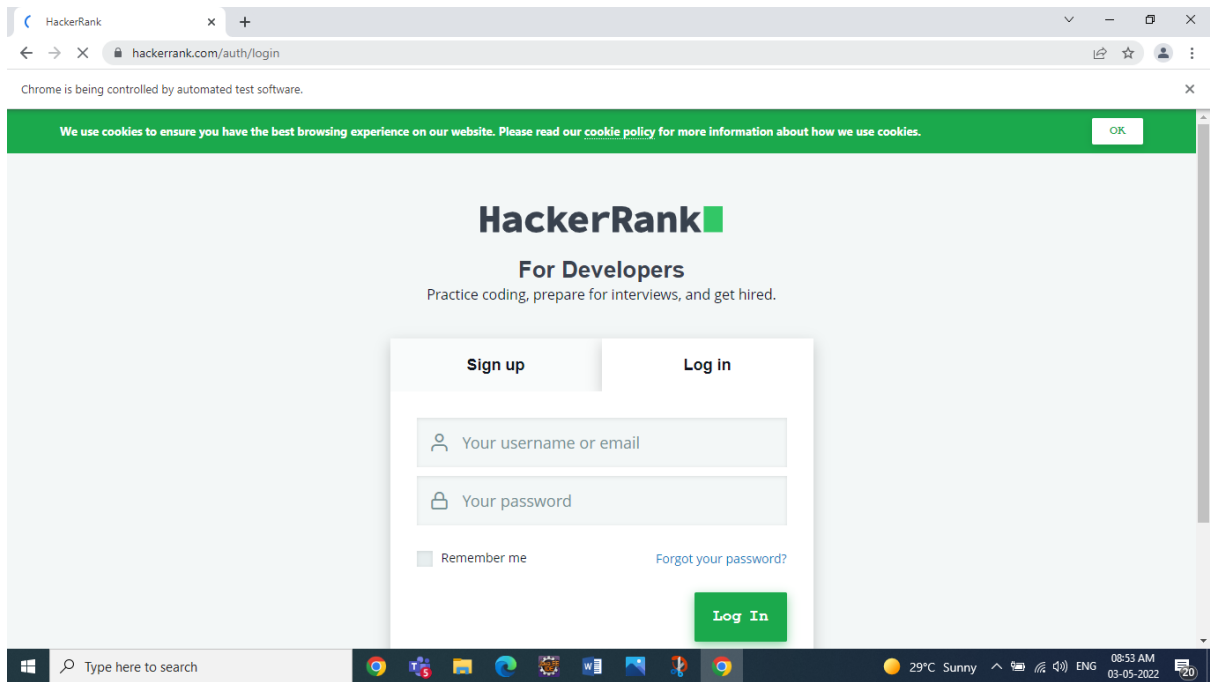
```

Chrome is being controlled by automated test software.

Demo Page	SeleniumBase	Hover Dropdown	Automation Practice
Text Input Field:	<input type="text"/>	Textarea:	<input type="text"/>
Pre-Filled Text Field:	<input type="text" value="Text..."/>	Button:	<button>Click Me (Green)</button>
Placeholder Text Field:	<input type="text" value="Placeholder Text Field"/>	Read-Only Text Field:	<input type="text" value="The Color is Green"/>
HTML SVG with rect:		Paragraph with Text:	<p>This Text is Green</p>
Input Slider Control:	<input type="range" value="25"/>	Progress Bar: (50%)	<div><div></div></div>
Select Dropdown:	<select><option>Set to 25%</option></select>	HTML Meter: (25%)	<div><div></div></div>
Image in iFrame:		RadioButton 1:	RadioButton 2:
CheckBox:	<input type="checkbox"/>	CheckBoxes:	Pre-Check Box:
URL Link:	<a href="https://seleniumbase.com">seleniumbase.com</a>	Link with Text:	<a href="#">SeleniumBase on GitHub</a>
SeleniumBase Docs:	<a href="https://seleniumbase.io">seleniumbase.io</a>	The Demo Page:	<a href="#">SeleniumBase Demo Page</a>







Finally it is done ..