

```
1 package org.example;
2
3 import com.inflectra.spiratest.addons.junitextension.
4 SpiraTestCase;
5 import com.inflectra.spiratest.addons.junitextension.
6 SpiraTestConfiguration;
7 import org.junit.jupiter.api.*;
8 import org.openqa.selenium.By;
9 import org.openqa.selenium.WebDriver;
10 import org.openqa.selenium.WebElement;
11 import org.openqa.selenium.chrome.ChromeDriver;
12 import java.util.regex.Pattern;
13 import java.util.regex.Matcher;
14
15 import java.time.Duration;
16 import java.util.List;
17
18 import static org.junit.jupiter.api.Assertions.*;
19
20 @SpiraTestConfiguration(
21 //following are REQUIRED
22         url = "https://rmit.spiraservice.net",
23         login = "s3881257",
24         rssToken = "{37E1C8E6-08B8-485E-8133-
25             6219CB7D3C5D}",
26         projectId = 98
27 )
28
29 @TestInstance(TestInstance.Lifecycle.PER_CLASS)
30 @TestMethodOrder(MethodOrderer.OrderAnnotation.class)
31 class proceedToCheckoutTest {
32
33     //Shared Webdriver instance for tests
34     WebDriver driver;
35     private String latestOrderNumber;
36
37     @BeforeAll
38     void setup(){
39         //Setup chrome Webdriver path
```

```
39         System.setProperty("webdriver.chrome.driver"
, "C:\\\\Users\\\\HP\\\\OneDrive\\\\Documents\\\\RMIT\\\\ST\\\\
s3881257-SeleniumTest\\\\chromedriver.exe");
40         //Create an instance of our driver
41         driver = new ChromeDriver();
42         driver.manage().timeouts().implicitlyWait(
Duration.ofSeconds(30));
43     }
44
45     @AfterAll
46     void teardown() {
47         driver.quit();
48     }
49
50     @Test
51     @SpiraTestCase(testCaseId = 5313)
52     @Order(1)
53     public void checkoutPersian() {
54         //Navigate to the given website in the canvas
55         driver.get("https://petstore.octoperf.com/");
56
57         //Go to the directed external link where the
main functionalities exist
58         WebElement EnterTheStore = driver.findElement(
By.linkText("Enter the Store"));
59         EnterTheStore.click();
60
61         //Go to the sign-in link to sign in if you
are a user or to see the register link if you are a
new user
62         WebElement SignIn = driver.findElement(By.
linkText("Sign In"));
63         SignIn.click();
64
65         WebElement loginID = driver.findElement(By.
name("username"));
66         loginID.clear(); // Clear any pre-filled
text
67         loginID.sendKeys("s3881257");
68
69         WebElement loginPassword = driver.findElement
```

```
69 (By.name("password"));
70     loginPassword.clear(); // Clear any pre-
    filled text
71     loginPassword.sendKeys("RMIT1");
72
73     WebElement loginSubmit = driver.findElement(
        By.name("signon"));
74     loginSubmit.click();
75
76     //Choose the pet you want
77     WebElement pet = driver.findElement(By.xpath
        ("//*[@id=\"SidebarContent\"]/a[3]")); // I am going
        cats
78     pet.click();
79
80     //Choose Persian
81     WebElement persian = driver.findElement(By.
        linkText("FL-DLH-02"));
82     persian.click();
83
84     //Choose Adult male Persian product ID to
        view details
85     WebElement viewProduct = driver.findElement(
        By.linkText("EST-17"));
86     viewProduct.click();
87
88     //Add to cart
89     WebElement addToCart = driver.findElement(By.
        xpath("//*[@id=\"Catalog\"]/table/tbody/tr[7]/td/a"
        ));
90     addToCart.click();
91
92     //Proceed to checkout
93     WebElement checkout = driver.findElement(By.
        xpath("//*[@id=\"Cart\"]/a"));
94     checkout.click();
95
96     //click continue
97     WebElement clickContinue = driver.
        findElement(By.name("newOrder"));
98     clickContinue.click();
```

```
99
100         //clickConfirm
101         WebElement clickConfirm = driver.findElement
102             (By.xpath("//*[@id=\"Catalog\"]/a"));
103             clickConfirm.click();
104
105         // Fetch the order number from the
106         //confirmation page
107         WebElement orderConfirmationElement = driver
108             .findElement(By.xpath("//*[@id=\"Catalog\"]/table/
109             tbody/tr[1]/th"));
110         String confirmationText =
111             orderConfirmationElement.getText();
112
113         // Use regex to extract the order number
114         Pattern pattern = Pattern.compile("Order #(
115             \d+)");
116         Matcher matcher = pattern.matcher(
117             confirmationText);
118         if (matcher.find()) {
119             this.latestOrderNumber = matcher.group(1)
120             ); // This will extract "20862" from the given
121             string
122         }
123
124         // Print the fetched order number
125         System.out.println("Fetched Order Number: "
126             + this.latestOrderNumber);
127
128         //click My account to confirm the order
129         WebElement myAccount = driver.findElement(By
130             .linkText("My Account"));
131         myAccount.click();
132
133
134     }
135
136     @Test
137     @SpiraTestCase(testCaseId = 5314)
138     @Order(2)
```

```
129     public void viewOrder() {  
130  
131         // Check if you can see your order for  
132         // confirmation  
132         WebElement myOrders = driver.findElement(By.  
133             linkText("My Orders"));  
133         myOrders.click();  
134  
135         // Check if the table is present  
136         WebElement ordersTable = driver.findElement(  
137             By.tagName("table"));  
137         assertNotNull(ordersTable, "Orders table is  
138             not present.");  
139  
139         // Fetch all order numbers from the "My  
140         // Orders" table  
140         List<WebElement> orderNumberElements =  
141             ordersTable.findElements(By.xpath("./tr/td[1]"));  
141             // Assuming the order number is in the first column  
142  
142         // Fetch the last order number from the "My  
143         // Orders" table  
143         WebElement lastOrderNumberElement =  
144             orderNumberElements.get(orderNumberElements.size  
144             () - 1);  
144         String lastOrderNumber =  
145             lastOrderNumberElement.getText();  
145  
146         // Print the last order number from the  
146         // table  
147         System.out.println("Last Order Number in the  
147             Table: " + lastOrderNumber);  
148  
149         // Assert that the fetched order number and  
149         // the last order number in the table are the same  
150         assertEquals(this.latestOrderNumber,  
150             lastOrderNumber, "The fetched order number does not  
150             match the last order number in the table.");  
151     }  
152  
153
```

154 }

```
1 package org.example;
2
3 import com.inflectra.spiratest.addons.junitextension.
4 SpiraTestCase;
5 import com.inflectra.spiratest.addons.junitextension.
6 SpiraTestConfiguration;
7 import org.junit.jupiter.api.*;
8 import org.openqa.selenium.By;
9 import org.openqa.selenium.WebDriver;
10 import org.openqa.selenium.WebElement;
11 import org.openqa.selenium.chrome.ChromeDriver;
12 import org.openqa.selenium.support.ui.Select;
13
14 import static org.junit.jupiter.api.Assertions.*;
15
16 @SpiraTestConfiguration(
17 //following are REQUIRED
18     url = "https://rmit.spiraservice.net",
19     login = "s3881257",
20     rssToken = "{37E1C8E6-08B8-485E-8133-
21     6219CB7D3C5D}",
22     projectId = 98
23 )
24
25 @TestInstance(TestInstance.Lifecycle.PER_CLASS)
26 @TestMethodOrder(MethodOrderer.OrderAnnotation.class)
27 class RegisterUserTest {
28
29     //Shared Webdriver instance for tests
30     WebDriver driver;
31
32     @BeforeAll
33     void setup(){
34         //Setup chrome Webdriver path
35         System.setProperty("webdriver.chrome.driver"
36             , "C:\\\\Users\\\\HP\\\\OneDrive\\\\Documents\\\\RMIT\\\\ST\\\\
37             s3881257-SeleniumTest\\\\chromedriver.exe");
38         //Create an instance of our driver
39         driver = new ChromeDriver();
```

```
37         driver.manage().timeouts().implicitlyWait(  
38             Duration.ofSeconds(30));  
39  
40     @AfterAll  
41     void teardown() {  
42         driver.quit();  
43     }  
44  
45     @Test  
46     @SpiraTestCase(testCaseId = 4951)  
47     @Order(1)  
48     public void accessRegisterForm() {  
49         driver.get("https://petstore.octoperf.com/");  
50  
51         //Go to the directed external link where the  
52         //main functionalities exist  
52         WebElement EnterTheStore = driver.findElement(  
53             By.linkText("Enter the Store"));  
53         EnterTheStore.click();  
54  
55         //Go to the sign-in link to sign in if you  
56         //are a user or to see the register link if you are a  
56         //new user  
56         WebElement SignIn = driver.findElement(By.  
57             linkText("Sign In"));  
57         SignIn.click();  
58  
59         //Click the "Register Now!" if you are new  
59         //user  
60         WebElement RegisterNow = driver.findElement(  
60             By.linkText("Register Now!"));  
61         RegisterNow.click();  
62  
63         //Assert that we are on the register form  
63         //page  
64         assertEquals("JPetStore Demo", driver.  
64             getTitle());  
65     }  
66  
67     @Test
```

```
68     @SpiraTestCase(testCaseId = 4952)
69     @Order(2)
70     public void saveInformation() {
71         //User ID: James
72         WebElement UserID = driver.findElement(By.
73             name("username"));
74             UserID.sendKeys("s3881257");
75
76         //New password: RMIT1
77         WebElement NewPassword = driver.findElement(
78             By.name("password"));
79             NewPassword.sendKeys("RMIT1");
80         //Repeat password: RMIT1
81         WebElement RepeatPassword = driver.
82             findElement(By.name("repeatedPassword"));
83             RepeatPassword.sendKeys("RMIT1");
84         //First Name: James
85         WebElement FirstName = driver.findElement(By.
86             name("account.firstName"));
87             FirstName.sendKeys("Jagulan");
88         //Last Name: Rodrick
89         WebElement LastName = driver.findElement(By.
90             name("account.lastName"));
91             LastName.sendKeys("Srikaran");
92         //Email: s3881257@student.rmit.edu.au
93         WebElement Email = driver.findElement(By.
94             name("account.email"));
95             Email.sendKeys("s3881257@gmail.com.au");
96         //Phone: 0493123456
97         WebElement Phone = driver.findElement(By.
98             name("account.phone"));
99             Phone.sendKeys("0493123456");
100        //Address 1: RMIT Melbourne City Campus
101        WebElement Address_1 = driver.findElement(By.
102            name("account.address1"));
103        Address_1.sendKeys("RMIT Melbourne City
104        Campus");
105        //Address 2: La Trobe Street
106        WebElement Address_2 = driver.findElement(By.
107            name("account.address2"));
108        Address_2.sendKeys("La Trobe Street");
```

```
99          //City: Melbourne
100         WebElement City = driver.findElement(By.name
("account.city"));
101        City.sendKeys("Melbourne");
102        //State: Victoria
103        WebElement State = driver.findElement(By.
name("account.state"));
104        State.sendKeys("Victoria");
105        //Zip: 3000
106        WebElement Zip = driver.findElement(By.name(
"account.zip"));
107        Zip.sendKeys("3000");
108        //Country: Australia
109        WebElement Country = driver.findElement(By.
name("account.country"));
110        Country.sendKeys("Australia");
111        // To select English as the preferred
language
112        WebElement languagePreferenceDropdown =
driver.findElement(By.name("account.
languagePreference"));
113        Select languageSelect = new Select(
languagePreferenceDropdown);
114        languageSelect.selectByVisibleText("japanese
");
115        //To select CATS as Favourite Category
116        WebElement FavoriteCategory = driver.
findElement(By.name("account.favouriteCategoryId"));
117        Select FavoriteCategoryDropdown = new Select
(FavoriteCategory);
118        FavoriteCategoryDropdown.selectByVisibleText
("CATS");
119        //to select "Enable myList"
120        WebElement myList = driver.findElement(By.
name("account.listOption"));
121        myList.click();
122        //to select "Enable my banner"
123        WebElement MyBanner = driver.findElement(By.
name("account.bannerOption"));
124        MyBanner.click();
125
```

```
126          //to select "Save Account Information"
127          WebElement SaveInformation = driver.
128              findElement(By.name("newAccount"));
129          SaveInformation.click();
130
131      }
132
133      @Test
134      @SpiraTestCase(testCaseId = 6349)
135      @Order(3)
136      public void signInConfirmation() {
137          //Check if the user is registered by signing
138          //in
139          WebElement SignIn = driver.findElement(By.
140              linkText("Sign In"));
141          SignIn.click();
142
143          WebElement loginID = driver.findElement(By.
144              name("username"));
145          loginID.clear(); // Clear any pre-filled
146          // text
147          loginID.sendKeys("s3881257");
148
149          WebElement loginPassword = driver.
150              findElement(By.name("password"));
151          loginPassword.clear(); // Clear any pre-
152          // filled text
153          loginPassword.sendKeys("RMIT1");
154      }
```

```
1 package org.example;
2
3 import com.inflectra.spiratest.addons.junitextension.
4 SpiraTestCase;
5 import com.inflectra.spiratest.addons.junitextension.
6 SpiraTestConfiguration;
7 import org.junit.jupiter.api.*;
8 import org.openqa.selenium.By;
9 import org.openqa.selenium.WebDriver;
10 import org.openqa.selenium.WebElement;
11 import org.openqa.selenium.chrome.ChromeDriver;
12 import org.openqa.selenium.support.ui.Select;
13
14
15 import static org.junit.jupiter.api.Assertions.*;
16
17 @SpiraTestConfiguration(
18 //following are REQUIRED
19         url = "https://rmit.spiraservice.net",
20         login = "s3881257",
21         rssToken = "{37E1C8E6-08B8-485E-8133-
22         6219CB7D3C5D}",
23         projectId = 98
24 )
25
26 @TestInstance(TestInstance.Lifecycle.PER_CLASS)
27 @TestMethodOrder(MethodOrderer.OrderAnnotation.class)
28 class updateAccountTest {
29
30     //Shared Webdriver instance for tests
31     WebDriver driver;
32
33     @BeforeAll
34     void setup(){
35         //Setup chrome Webdriver path
36         System.setProperty("webdriver.chrome.driver"
, "C:\\\\Users\\\\HP\\\\OneDrive\\\\Documents\\\\RMIT\\\\ST\\\\
s3881257-SeleniumTest\\\\chromedriver.exe");
37         //Create an instance of our driver
```

```
37         driver = new ChromeDriver();
38         driver.manage().timeouts().implicitlyWait(
39             Duration.ofSeconds(30));
40     }
41
42     @AfterAll
43     void teardown() {
44         driver.quit();
45     }
46
47     @Test
48     @SpiraTestCase(testCaseId = 5315)
49     @Order(1)
50     public void testUpdateAccount() {
51         //This file is for second scenario: which is
52         //to sign in and then order/check out a pet
53         //Setup chrome Webdriver path
54         System.setProperty("webdriver.chrome.driver",
55             "C:\\\\Users\\\\HP\\\\OneDrive\\\\Documents\\\\RMIT\\\\ST\\\\"
56             "s3881257-SeleniumTest\\\\chromedriver.exe");
57
58         //Create an instance of our driver
59         WebDriver driver = new ChromeDriver();
60
61         //Set up an implicit wait in case of slow
62         //connections.
63         driver.manage().timeouts().implicitlyWait(
64             Duration.ofSeconds(10));
65
66         //Navigate to the given website in the canvas
67         driver.get("https://petstore.octoperf.com/");
68
69         //Go to the directed external link where the
70         //main functionalities exist
71         WebElement EnterTheStore = driver.findElement(
72             By.linkText("Enter the Store"));
73         EnterTheStore.click();
74
75         //Go to the sign-in link to sign in if you
76         //are a user or to see the register link if you are a
77         //new user
```

```
68         WebElement SignIn = driver.findElement(By.  
linkText("Sign In"));  
69         SignIn.click();  
70  
71         WebElement loginID = driver.findElement(By.  
name("username"));  
72         loginID.clear(); // Clear any pre-filled  
text  
73         loginID.sendKeys("s3881257");  
74  
75         WebElement loginPassword = driver.  
findElement(By.name("password"));  
76         loginPassword.clear(); // Clear any pre-  
filled text  
77         loginPassword.sendKeys("RMIT1");  
78  
79         WebElement loginSubmit = driver.findElement(  
By.name("signon"));  
80         loginSubmit.click();  
81  
82         //click My account to change the details of  
the user's account  
83         WebElement myAccount = driver.findElement(By.  
.linkText("My Account"));  
84         myAccount.click();  
85  
86         //Change the email  
87         WebElement emailField = driver.findElement(  
By.name("account.email"));  
88         emailField.clear(); // delete the current  
email provided in the field  
89         emailField.sendKeys("RMIT@gmail.com");  
90  
91         //Change the phone number  
92         WebElement phoneNo = driver.findElement(By.  
name("account.phone"));  
93         phoneNo.clear();  
94         phoneNo.sendKeys("0123456789");  
95  
96         //save the Information  
97         WebElement saveInformation = driver.
```

```
97     findElement(By.name("editAccount"));
98         saveInformation.click();
99
100        //Go back to the main page and go back to
101        Account to see if the details are still changed
101        WebElement mainPage = driver.findElement(By.
102           xpath("//*[@id=\"LogoContent\"]//a"));
102        mainPage.click();
103        myAccount = driver.findElement(By.linkText("
103          My Account"));
104        myAccount.click();
105
106        //Sign out and Sign in to check again
107        WebElement signOut = driver.findElement(By.
108           xpath("//*[@id=\"MenuContent\"]//a[2]"));
108        signOut.click();
109
110        SignIn = driver.findElement(By.linkText("
110          Sign In"));
111        SignIn.click();
112
113        loginID = driver.findElement(By.name("
113          username"));
114        loginID.clear(); // Clear any pre-filled
114          text
115        loginID.sendKeys("s3881257");
116
117        loginPassword = driver.findElement(By.name("
117          password"));
118        loginPassword.clear(); // Clear any pre-
118          filled text
119        loginPassword.sendKeys("RMIT1");
120
121        loginSubmit = driver.findElement(By.name("
121          signon"));
122        loginSubmit.click();
123
124        //click My account to change the details of
124          the user's accounts
125        myAccount = driver.findElement(By.linkText("
125          My Account"));
```

```
126         myAccount.click();
127
128
129     }
130
131     @Test
132     @SpiraTestCase(testCaseId = 6274 )
133     @Order(2)
134     public void finalConfirmation(){
135
136         // After updating the email and phone number
137         // , check if the changes are reflected
137         WebElement updatedEmail = driver.findElement
138             (By.name("account.email"));
138         String actualEmail = updatedEmail.
139             getAttribute("value");
139         assertEquals("RMIT@gmail.com", actualEmail,
140             "Expected email to be updated!");
140
141         WebElement updatedPhone = driver.findElement
142             (By.name("account.phone"));
142         String actualPhone = updatedPhone.
143             getAttribute("value");
143         assertEquals("0123456789", actualPhone, "
144             Expected phone number to be updated!");
145
146         // After signing in again, validate if the
147         // changes are still there
147         WebElement recheckedEmail = driver.
148             findElement(By.name("account.email"));
148         String recheckedEmailValue = recheckedEmail.
149             getAttribute("value");
149         assertEquals("RMIT@gmail.com",
150             recheckedEmailValue, "Expected email to remain
151             updated after re-login!");
150
151         WebElement recheckedPhone = driver.
152             findElement(By.name("account.phone"));
152         String recheckedPhoneValue = recheckedPhone.
153             getAttribute("value");
```

```
153         assertEquals("0123456789",
154             recheckedPhoneValue, "Expected phone number to
155             remain updated after re-login!");
156     }
157 }
158
159
160
161
162
163
```

```
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2
3 import com.inflectra.spiratest.addons.junitextension.
4 SpiraTestCase;
5 import com.inflectra.spiratest.addons.junitextension.
6 SpiraTestConfiguration;
7 import org.junit.jupiter.api.*;
8 import org.openqa.selenium.By;
9 import org.openqa.selenium.WebDriver;
10 import org.openqa.selenium.WebElement;
11 import org.openqa.selenium.chrome.ChromeDriver;
12 import org.openqa.selenium.support.ui.Select;
13
14
15 import static org.junit.jupiter.api.Assertions.*;
16
17 @SpiraTestConfiguration(
18 //following are REQUIRED
19         url = "https://rmit.spiraservice.net",
20         login = "s3881257",
21         rssToken = "{37E1C8E6-08B8-485E-8133-
22         6219CB7D3C5D}",
23         projectId = 98
24 )
25
26 @TestInstance(TestInstance.Lifecycle.PER_CLASS)
27 @TestMethodOrder(MethodOrderer.OrderAnnotation.class)
28 class updateStockTest {
29
30     //Shared Webdriver instance for tests
31     WebDriver driver;
32
33     @BeforeAll
34     void setup(){
35         //Setup chrome Webdriver path
36         System.setProperty("webdriver.chrome.driver"
, "C:\\\\Users\\\\HP\\\\OneDrive\\\\Documents\\\\RMIT\\\\ST\\\\
s3881257-SeleniumTest\\\\chromedriver.exe");
37         //Create an instance of our driver
```

```
37         driver = new ChromeDriver();
38         driver.manage().timeouts().implicitlyWait(
39             Duration.ofSeconds(30));
40     }
41
42     @AfterAll
43     void teardown() {
44         driver.quit();
45     }
46
47     private String beforeCheckoutStock;
48
49     @Test
50     @SpiraTestCase(testCaseId = 6976)
51     @Order(1)
52     public void getStockDetails() {
53         //Navigate to the given website in the canvas
54         driver.get("https://petstore.octoperf.com/");
55
56         //Go to the directed external link where the
57         //main functionalities exist
58         WebElement EnterTheStore = driver.findElement(
59             By.linkText("Enter the Store"));
60         EnterTheStore.click();
61
62         //Go to the sign-in link to sign in if you
63         //are a user or to see the register link if you are a
64         //new user
65         WebElement SignIn = driver.findElement(By.
66             linkText("Sign In"));
67         SignIn.click();
68
69         WebElement loginID = driver.findElement(By.
70             name("username"));
71         loginID.clear(); // Clear any pre-filled
72         text
73         loginID.sendKeys("s3881257");
74
75         WebElement loginPassword = driver.findElement(
76             By.name("password"));
77         loginPassword.clear(); // Clear any pre-
```

```
68 filled text
69         loginPassword.sendKeys("RMIT1");
70
71         WebElement loginSubmit = driver.findElement(
72             By.name("signon"));
73         loginSubmit.click();
74
75         WebElement Dog = driver.findElement(By.xpath(
76             "//*[@id=\"SidebarContent\"]//a[2]"));
77         Dog.click();
78
79         WebElement LabRetreiver = driver.findElement(
80             By.xpath("//*[@id=\"Catalog\"]//table/tbody/tr[6]/td
81             [1]//a"));
82         LabRetreiver.click();
83
84         WebElement stockElement = driver.findElement(
85             By.xpath("//td[contains(text(), 'in stock') or
86             contains(text(), 'back ordered')]"));
87
88         //Get the stock details now
89         WebElement stockElementBefore = driver.
90             findElement(By.xpath("//td[contains(text(), 'in
91             stock') or contains(text(), 'back ordered')]"));
92         String stockTextBefore = stockElementBefore.
93             getText();
94         if (stockTextBefore.contains("in stock")) {
95             beforeCheckoutStock = stockTextBefore.
96                 split(" ")[0]; // Extracting the number
97         } else {
98             beforeCheckoutStock = "back ordered";
99         }
100        System.out.println("Stock before checkout: "
101            + beforeCheckoutStock);
102
103        //Add to cart
104        WebElement addToCart = driver.findElement(By
```

```
96 .xpath("//*[@id=\"Catalog\"]/table/tbody/tr[7]/td/a"
    ));
97         addToCart.click();
98
99         //Change the quantity
100        WebElement quantity = driver.findElement(By.
    name("EST-24"));
101        String qty = "2000";
102        quantity.clear();
103        quantity.sendKeys(qty);
104
105        //update the cart
106        WebElement updateCart = driver.findElement(
    By.name("updateCartQuantities"));
107        updateCart.click();
108
109        //Proceed to checkout
110        WebElement checkout = driver.findElement(By.
    xpath("//*[@id=\"Cart\"]/a"));
111        checkout.click();
112
113        //click continue
114        WebElement clickContinue = driver.
    findElement(By.name("newOrder"));
115        clickContinue.click();
116
117        //clickConfirm
118        WebElement clickConfirm = driver.findElement(
    By.xpath("//*[@id=\"Catalog\"]/a"));
119        clickConfirm.click();
120    }
121
122    @Test
123    @SpiraTestCase(testCaseId = 6977)
124    @Order(2)
125    public void confirmStockChange(){
126        //search for product again
127        WebElement searchBar = driver.findElement(By
    .name("keyword"));
128        searchBar.sendKeys("Labrador");
129        //Click on search button
```

```
130         WebElement searchButton = driver.findElement(By.name("searchProducts"));
131         searchButton.click();
132
133         //Click the text description "Great hunting
134         //Dog"
135         WebElement linkDes = driver.findElement(By.linkText("Great hunting dog"));
136         linkDes.click();
137
138         //Click the product again
139         WebElement AdultMaleLR = driver.findElement(By.linkText("EST-24"));
140         AdultMaleLR.click();
141
142         //Get the stock details now
143         WebElement stockElementAfter = driver.findElement(By.xpath("//td[contains(text(), 'in
144         stock') or contains(text(), 'back ordered')]"));
145         String stockTextAfter = stockElementAfter.
146         getText();
147         String afterCheckoutStock;
148         if (stockTextAfter.contains("in stock")) {
149             afterCheckoutStock = stockTextAfter.
150             split(" ")[0]; // Extracting the number
151         } else {
152             afterCheckoutStock = "back ordered";
153         }
154         System.out.println("Stock after checkout: "
155         + afterCheckoutStock);
156
157         // Check if the stock has decreased or if
158         // both are "back ordered"
159         if (beforeCheckoutStock.equals("back ordered")
160             && afterCheckoutStock.equals("back ordered")) {
161             assertEquals("back ordered",
162             afterCheckoutStock, "Expected both stocks to be 'back ordered'");
163         } else {
164             assertTrue(Integer.parseInt(
165             afterCheckoutStock) < Integer.parseInt(
166             beforeCheckoutStock));
167         }
168     }
169 }
```

```
156 beforeCheckoutStock), "Expected stock after checkout  
157         to be less than stock before checkout");  
158     }  
159 }
```

```
1 package org.example;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.chrome.ChromeDriver;
7
8 import java.time.Duration;
9
10 public class ProcceedToCheckout {
11
12
13     public static void main(String[] args) {
14
15         //This file is for second scenario: which is
16         //to sign in and then order/check out a pet
17         //Setup chrome Webdriver path
18         System.setProperty("webdriver.chrome.driver",
19             "C:\\\\Users\\\\HP\\\\OneDrive\\\\Documents\\\\RMIT\\\\ST\\\\
20             s3881257-SeleniumTest\\\\chromedriver.exe");
21
22         //Create an instance of our driver
23         WebDriver driver = new ChromeDriver();
24
25         //Set up an implicit wait in case of slow
26         //connections.
27         driver.manage().timeouts().implicitlyWait(
28             Duration.ofSeconds(10));
29
30         //Navigate to the given website in the canvas
31         driver.get("https://petstore.octoperf.com/");
32
33         //Go to the directed external link where the
34         //main functionalities exist
35         WebElement EnterTheStore = driver.findElement(
36             By.linkText("Enter the Store"));
37         EnterTheStore.click();
38
39         //Go to the sign-in link to sign in if you
40         //are a user or to see the register link if you are a
41         //new user
```

```
33         WebElement SignIn = driver.findElement(By.  
linkText("Sign In"));  
34         SignIn.click();  
35  
36         WebElement loginID = driver.findElement(By.  
name("username"));  
37         loginID.clear(); // Clear any pre-filled  
text  
38         loginID.sendKeys("s3881257");  
39  
40         WebElement loginPassword = driver.findElement(  
By.name("password"));  
41         loginPassword.clear(); // Clear any pre-  
filled text  
42         loginPassword.sendKeys("RMIT1");  
43  
44         WebElement loginSubmit = driver.findElement(  
By.name("signon"));  
45         loginSubmit.click();  
46  
47         //Choose the pet you want  
48         WebElement pet = driver.findElement(By.xpath(  
"//*[@id=\"SidebarContent\"]/a[3]")); // I am going  
cats  
49         pet.click();  
50  
51         //Choose Persian  
52         WebElement persian = driver.findElement(By.  
linkText("FL-DLH-02"));  
53         persian.click();  
54  
55         //Choose Adult male Persian product ID to view  
details  
56         WebElement viewProduct = driver.findElement(  
By.linkText("EST-17"));  
57         viewProduct.click();  
58  
59         //Add to cart  
60         WebElement addToCart = driver.findElement(By.  
xpath("//*[@id=\"Catalog\"]/table/tbody/tr[7]/td/a"  
));
```

```
61         addToCart.click();
62
63         //Proceed to checkout
64         WebElement checkout = driver.findElement(By.
65             xpath("//*[@id='Cart']/a"));
66         checkout.click();
67
68         //click continue
69         WebElement clickContinue = driver.
70             findElement(By.name("newOrder"));
71         clickContinue.click();
72
73         //clickConfirm
74         WebElement clickConfirm = driver.findElement
75             (By.xpath("//*[@id='Catalog']/a"));
76         clickConfirm.click();
77
78         //click My account to confirm the order
79         WebElement myAccount = driver.findElement(By
80             .linkText("My Account"));
81         myAccount.click();
82
83     }
84
85 }
```

```
1 package org.example;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.chrome.ChromeDriver;
7 import org.openqa.selenium.support.ui.Select;
8
9 import java.time.Duration;
10
11 public class RegisterUser {
12
13
14
15
16
17     public static void main(String[] args) {
18
19         //This file is for one scenario: which is to
20         //Register a new user
21         System.setProperty("webdriver.chrome.driver"
22             , "C:\\\\Users\\\\HP\\\\OneDrive\\\\Documents\\\\RMIT\\\\ST\\\\"
23             s3881257-SeleniumTest\\\\chromedriver.exe");
24
25         //Create an instance of our driver
26         WebDriver driver = new ChromeDriver();
27
28         //Set up an implicit wait in case of slow
29         //connections.
30         driver.manage().timeouts().implicitlyWait(
31             Duration.ofSeconds(10));
32
33         //Navigate to the given website in the canvas
34         driver.get("https://petstore.octoperf.com/");
35
36         //Go to the directed external link where the
37         //main functionalities exist
38         WebElement EnterTheStore = driver.findElement(
39             By.linkText("Enter the Store"));
40         EnterTheStore.click();
```

```
35
36         //Go to the sign-in link to sign in if you
37         //are a user or to see the register link if you are a
38         //new user
39
40         WebElement SignIn = driver.findElement(By.
41             linkText("Sign In"));
42         SignIn.click();
43
44         //Click the "Register Now!" if you are new
45         //user
46         WebElement RegisterNow = driver.findElement(
47             By.linkText("Register Now!"));
48         RegisterNow.click();
49
50         //Fill all the user's details to Register
51         //User ID: James
52         WebElement UserID = driver.findElement(By.
53             name("username"));
54         UserID.sendKeys("s3881257");
55
56         //New password: RMIT1
57         WebElement NewPassword = driver.findElement(
58             By.name("password"));
59         NewPassword.sendKeys("RMIT1");
60         //Repeat password: RMIT1
61         WebElement RepeatPassword = driver.
62             findElement(By.name("repeatedPassword"));
63         RepeatPassword.sendKeys("RMIT1");
64         //First Name: James
65         WebElement FirstName = driver.findElement(By.
66             name("account.firstName"));
67         FirstName.sendKeys("Jagulan");
68         //Last Name: Rodrick
69         WebElement LastName = driver.findElement(By.
70             name("account.lastName"));
71         LastName.sendKeys("S");
72         //Email: s3881257@student.rmit.edu.au
73         WebElement Email = driver.findElement(By.name
74             ("account.email"));
75         Email.sendKeys("s3881257@student.rmit.au");
76         //Phone: 0493123456
```

```

65      WebElement Phone = driver.findElement(By.
66          name("account.phone"));
67          Phone.sendKeys("0493123456");
68          //Address 1: RMIT Melbourne City Campus
69          WebElement Address_1 = driver.findElement(By
70              .name("account.address1"));
71              Address_1.sendKeys("RMIT Melbourne City
72                  Campus");
73                  //Address 2: La Trobe Street
74                  WebElement Address_2 = driver.findElement(By
75                      .name("account.address2"));
76                      Address_2.sendKeys("La Trobe Street");
77                      //City: Melbourne
78                      WebElement City = driver.findElement(By.name
79                          ("account.city"));
80                          City.sendKeys("Melbourne");
81                          //State: Victoria
82                          WebElement State = driver.findElement(By.
83                              name("account.state"));
84                              State.sendKeys("Victoria");
85                              //Zip: 3000
86                              WebElement Zip = driver.findElement(By.name(
87                                  "account.zip"));
88                                  Zip.sendKeys("3000");
89                                  //Country: Australia
90                                  WebElement Country = driver.findElement(By.
91                                      name("account.country"));
92                                      Country.sendKeys("Australia");
93                                      // To select English as the preferred
language
94                                      WebElement languagePreferenceDropdown =
95                                          driver.findElement(By.name("account.
languagePreference"));
96                                          Select languageSelect = new Select(
97                                              languagePreferenceDropdown);
98                                              languageSelect.selectByVisibleText("japanese
"));
99                                              //To select CATS as Favourite Category
100                                              WebElement FavoriteCategory = driver.
101                                              findElement(By.name("account.favoriteCategoryId"));
102                                              Select FavoriteCategoryDropdown = new Select

```

```
91 (FavoriteCategory);
92     FavoriteCategoryDropdown.selectByVisibleText
("CATS");
93     //to select "Enable myList"
94     WebElement myList = driver.findElement(By.
name("account.listOption"));
95     myList.click();
96     //to select "Enable my banner"
97     WebElement myBanner = driver.findElement(By.
name("account.bannerOption"));
98     myBanner.click();
99
100    //to select "Save Account Information"
101    WebElement saveInformation = driver.
findElement(By.name("newAccount"));
102    saveInformation.click();
103
104    try {
105        Thread.sleep(5000); // Sleep for 5
seconds
106    } catch (InterruptedException e) {
107        e.printStackTrace();
108    }
109
110    //Check if the user is registered by signing
in
111    SignIn = driver.findElement(By.linkText("Sign In"));
112    SignIn.click();
113
114    WebElement loginID = driver.findElement(By.
name("username"));
115    loginID.clear(); // Clear any pre-filled
text
116    loginID.sendKeys("s3881257");
117
118    WebElement loginPassword = driver.
findElement(By.name("password"));
119    loginPassword.clear(); // Clear any pre-
filled text
120    loginPassword.sendKeys("RMIT1");
```

```
121
122     WebElement loginSubmit = driver.findElement(
123         By.name("signon"));
124     loginSubmit.click();
125 }
126
127 }
128
```

```
1 package org.example;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.chrome.ChromeDriver;
7
8 import java.time.Duration;
9
10 public class updateAccount {
11
12
13     public static void main(String[] args) {
14
15         //This file is for second scenario: which is
16         //to sign in and then order/check out a pet
17         //Setup chrome Webdriver path
18         System.setProperty("webdriver.chrome.driver",
19             "C:\\\\Users\\\\HP\\\\OneDrive\\\\Documents\\\\RMIT\\\\ST\\\\
20             s3881257-SeleniumTest\\\\chromedriver.exe");
21
22         //Create an instance of our driver
23         WebDriver driver = new ChromeDriver();
24
25         //Set up an implicit wait in case of slow
26         //connections.
27         driver.manage().timeouts().implicitlyWait(
28             Duration.ofSeconds(10));
29
30         //Navigate to the given website in the canvas
31         driver.get("https://petstore.octoperf.com/");
32
33         //Go to the directed external link where the
34         //main functionalities exist
35         WebElement EnterTheStore = driver.findElement(
36             By.linkText("Enter the Store"));
37         EnterTheStore.click();
38
39         //Go to the sign-in link to sign in if you
40         //are a user or to see the register link if you are a
41         //new user
```

```
33         WebElement SignIn = driver.findElement(By.  
linkText("Sign In"));  
34         SignIn.click();  
35  
36         WebElement loginID = driver.findElement(By.  
name("username"));  
37         loginID.clear(); // Clear any pre-filled  
text  
38         loginID.sendKeys("s3881257");  
39  
40         WebElement loginPassword = driver.findElement  
(By.name("password"));  
41         loginPassword.clear(); // Clear any pre-  
filled text  
42         loginPassword.sendKeys("RMIT1");  
43  
44         WebElement loginSubmit = driver.findElement(  
By.name("signon"));  
45         loginSubmit.click();  
46  
47         //click My account to change the details of  
the user's account  
48         WebElement myAccount = driver.findElement(By.  
linkText("My Account"));  
49         myAccount.click();  
50  
51         //Change the email  
52         WebElement emailField = driver.findElement(By  
.name("account.email"));  
53         emailField.clear(); // delete the current  
email provided in the field  
54         emailField.sendKeys("RMIT@gmail.com");  
55  
56         //Change the phone number  
57         WebElement phoneNo = driver.findElement(By.  
name("account.phone"));  
58         phoneNo.clear();  
59         phoneNo.sendKeys("0123456789");  
60  
61         //save the Information  
62         WebElement saveInformation = driver.
```

```
62     findElement(By.name("editAccount"));
63         saveInformation.click();
64
65             //Go back to the main page and go back to
66             //Account to see if the details are still changed
66             WebElement mainPage = driver.findElement(By.
67                 xpath("//*[@id=\"LogoContent\"]//a"));
67             mainPage.click();
68             myAccount = driver.findElement(By.linkText("
68                 My Account"));
69                 myAccount.click();
70
71             //Sign out and Sign in to check again
72             WebElement signOut = driver.findElement(By.
72                 xpath("//*[@id=\"MenuContent\"]//a[2]"));
73                 signOut.click();
74
75             SignIn = driver.findElement(By.linkText("
75                 Sign In"));
76                 SignIn.click();
77
78             loginID = driver.findElement(By.name("
78                 username"));
79                 loginID.clear(); // Clear any pre-filled
80                 text
80                 loginID.sendKeys("s3881257");
81
82             loginPassword = driver.findElement(By.name("
82                 password"));
83                 loginPassword.clear(); // Clear any pre-
83                 filled text
84                 loginPassword.sendKeys("RMIT1");
85
86             loginSubmit = driver.findElement(By.name("
86                 signon"));
87                 loginSubmit.click();
88
89             //click My account to change the details of
90             //the user's account
90             myAccount = driver.findElement(By.linkText("
90                 My Account"));
```

```
91         myAccount.click();
92
93
94
95     }
96 }
```

```
1 package org.example;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.chrome.ChromeDriver;
7
8 import java.time.Duration;
9
10 public class updateStock {
11
12
13     public static void main(String[] args) {
14
15         //This file is for second scenario: which is
16         //to sign in and then order/checkout a pet
17         //Setup chrome Webdriver path
18         System.setProperty("webdriver.chrome.driver",
19             "C:\\\\Users\\\\HP\\\\OneDrive\\\\Documents\\\\RMIT\\\\ST\\\\
20             s3881257-SeleniumTest\\\\chromedriver.exe");
21
22         //Create an instance of our driver
23         WebDriver driver = new ChromeDriver();
24
25         //Set up an implicit wait in case of slow
26         //connections.
27         driver.manage().timeouts().implicitlyWait(
28             Duration.ofSeconds(10));
29
30         //Navigate to the given website in the canvas
31         driver.get("https://petstore.octoperf.com/");
32
33         //Go to the directed external link where the
34         //main functionalities exist
35         WebElement EnterTheStore = driver.findElement(
36             By.linkText("Enter the Store"));
37         EnterTheStore.click();
38
39         //Go to the sign-in link to sign in if you
40         //are a user or to see the register link if you are a
41         //new user
```

```
33         WebElement SignIn = driver.findElement(By.  
linkText("Sign In"));  
34         SignIn.click();  
35  
36         WebElement loginID = driver.findElement(By.  
name("username"));  
37         loginID.clear(); // Clear any pre-filled  
text  
38         loginID.sendKeys("s3881257");  
39  
40         WebElement loginPassword = driver.findElement(  
By.name("password"));  
41         loginPassword.clear(); // Clear any pre-  
filled text  
42         loginPassword.sendKeys("RMIT1");  
43  
44         WebElement loginSubmit = driver.findElement(  
By.name("signon"));  
45         loginSubmit.click();  
46  
47         WebElement Dog = driver.findElement(By.xpath(  
"//*[@id=\"SidebarContent\"]/a[2]"));  
48         Dog.click();  
49  
50         WebElement LabRetreiver = driver.findElement(  
By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[6]/td[1]  
/a"));  
51         LabRetreiver.click();  
52  
53         WebElement AdultMaleLR = driver.findElement(  
By.linkText("EST-24"));  
54         AdultMaleLR.click();  
55  
56         WebElement stockElement = driver.findElement(  
By.xpath("//td[contains(text(), 'in stock') or  
contains(text(), 'back ordered')]"));  
57  
58         //Get the stock details now  
59         WebElement stockElementBefore = driver.  
findElement(By.xpath("//td[contains(text(), 'in stock') or  
contains(text(), 'back ordered')]"));
```

```
60         String stockTextBefore = stockElementBefore.
61             getText();
62         String beforeCheckoutStock;
63         if (stockTextBefore.contains("in stock")) {
64             beforeCheckoutStock = stockTextBefore.
65                 split(" ")[0]; // Extracting the number
66         } else {
67             beforeCheckoutStock = "back ordered";
68         }
69         System.out.println("Stock before checkout: "
70             + beforeCheckoutStock);
71
72         //Add to cart
73         WebElement addToCart = driver.findElement(By.
74             xpath("//*[@id='Catalog']/table/tbody/tr[7]/td/a"));
75         addToCart.click();
76
77         //Change the quantity
78         WebElement quantity = driver.findElement(By.
79             name("EST-24"));
80         quantity.sendKeys("2000");
81
82         //Proceed to checkout
83         WebElement checkout = driver.findElement(By.
84             xpath("//*[@id='Cart']/a"));
85         checkout.click();
86
87         //click continue
88         WebElement clickContinue = driver.
89            .findElement(By.name("newOrder"));
90         clickContinue.click();
91
92         //clickConfirm
93         WebElement clickConfirm = driver.findElement
94             (By.xpath("//*[@id='Catalog']/a"));
95         clickConfirm.click();
96
97         //search for product again
98         WebElement searchBar = driver.findElement(By.
99             name("keyword"));
```

```
91         searchBar.sendKeys("Labrador");
92         //Click on search button
93         WebElement searchButton = driver.findElement(
94             By.name("searchProducts"));
95         searchButton.click();
96
97         //Click the text description "Great hunting
98         //Dog"
99         WebElement linkDes = driver.findElement(By.
100             linkText("Great hunting dog"));
101         linkDes.click();
102
103
104         //Get the stock details now
105         WebElement stockElementAfter = driver.
106             findElement(By.xpath("//td[contains(text(), 'in
107             stock') or contains(text(), 'back ordered')]"));
108         String stockTextAfter = stockElementAfter.
109             getText();
110         String afterCheckoutStock;
111         if (stockTextAfter.contains("in stock")) {
112             afterCheckoutStock = stockTextAfter.
113                 split(" ")[0]; // Extracting the number
114         } else {
115             afterCheckoutStock = "back ordered";
116         }
117         System.out.println("Stock after checkout: "
118             + afterCheckoutStock);
119
120
121
122
```

```
123  
124  
125      }  
126 }
```