



A Project

Report On

AUTOMATION TESTING ON JPETSTORE WEBSITE

By

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Batch: EON (2020-5220)

Course: School of Coding-Certified Software Test Engineer

Under the Guidance of,

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EduBridge

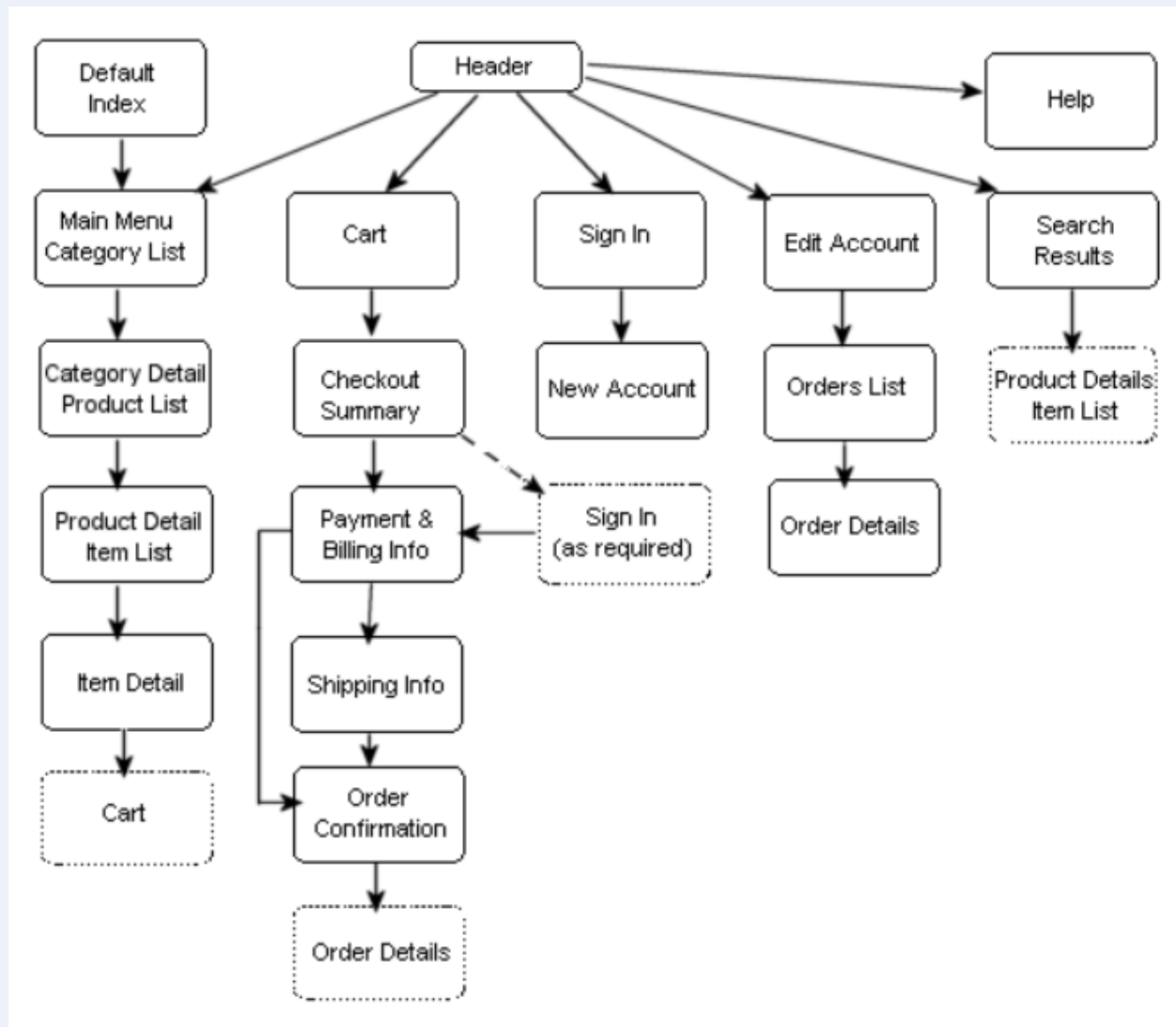
INTRODUCTION

This Project aims to do overall testing like functional testing, GUI testing on website to check quality of application. It helps to improve quality of website and saves time for manually doing this testing. In this project our main focus is to check functionalities available on website. Also, it includes title check and all links count with their working status.

SOFTWARE REQUIREMENTS

- Operating System: Windows 10
- Browser: Latest version of Chrome
- IDE: Eclipse IDE
- Automation Tool: Selenium WebDriver
- Front-end: Java

Site Map of JPetStore Website is as shown in below figure.



Test-Scripts

TC-01: Launch the browser and open JPetStore Website.

```
System.setProperty("webdriver.chrome.driver","C:\\Users\\HP\\Desktop\\SeleniumJar\\chromedriver_win32\\chromedriver.exe");
```

```
WebDriver w=new ChromeDriver();
```

```
w.get("https://petstore.octoperf.com/actions/Catalog.action");
```

TC-02: To Test the functionality of Register page of JPetStore Website.

```
w.findElement(By.xpath("//a[contains(text(),'Register Now!')]")).click();
```

```
w.findElement(By.xpath("/html[1]/body[1]/div[2]/div[1]/form[1]/table[1]/tbody[1]/tr[1]/td[2]/input[1]")).sendKeys("DEMO12");
```

```
w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[1]/tbody/tr[2]/td[2]/input")).sendKeys("demo1234");
```

```
w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[1]/tbody/tr[3]/td[2]/input")).sendKeys("demo1234");
```

```
w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[2]/tbody/tr[1]/td[2]/input")).sendKeys("Shalaka");
```

```
w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[2]/tbody/tr[2]/td[2]/input")).sendKeys("Gharat");
```

```
w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[2]/tbody/tr[3]/td[2]/input")).sendKeys("shalaka@gmail.com");
```

```
w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[2]/tbody/tr[4]/td[2]/input")).sendKeys("8422996606");
```

```
w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[2]/tbody/tr[5]/td[2]/input")).sendKeys("At: Pirkon");
```

```

w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[2]/tbody/tr[6]/td[2]/input")).sendKeys("Post: Aware");

w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[2]/tbody/tr[7]/td[2]/input")).sendKeys("Uran");

w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[2]/tbody/tr[8]/td[2]/input")).sendKeys("Maharashtra");

w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[2]/tbody/tr[9]/td[2]/input")).sendKeys("410206");

w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[2]/tbody/tr[10]/td[2]/input")).sendKeys("India");

Select s=new Select(w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[3]/tbody/tr[1]/td[2]/select")));

s.selectByVisibleText("english");

Select s1=new Select(w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[3]/tbody/tr[2]/td[2]/select")));

s1.selectByVisibleText("BIRDS");

w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[3]/tbody/tr[3]/td[2]/input")).click();

w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/table[3]/tbody/tr[4]/td[2]/input")).click();

w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/input")).click();

System.out.println("registration done");

```

TC-03: To Test the functionality of Sign in button with valid username and password

```

//Username: DEMO12
//Password: demo1234
w.findElement(By.xpath("//*[@id=\"MenuContent\"]/a[2]")).click();
w.findElement(By.xpath("/html[1]/body[1]/div[2]/div[1]/form[1]/p[2]/input[1]")).sendKeys("DEMO12");

w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/p[2]/input[2]")).sendKeys("demo1234");

```

```
w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/input")).click();  
System.out.println("Login successful");
```

TC-04: To Test the functionality of Sign out button

```
w.findElement(By.xpath("//*[@id=\"MenuContent\"]/a[2]")).click();
```

TC-05: To Test the functionality of Search button

```
w.findElement(By.xpath("//*[@id=\"SearchContent\"]/form/input[1]")).sendKeys("Parrot");  
//search text box
```

```
w.findElement(By.xpath("//*[@id=\"SearchContent\"]/form/input[2]")).click(); //search  
button
```

```
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click();
```

TC-06: To Test the functionality of add to cart button

```
w.findElement(By.xpath("//*[@id=\"MenuContent\"]/a[1]/img")).click(); //cart img  
w.findElement(By.xpath("//a[contains(text(),'Proceed to Checkout')]")).click(); //proceed to  
checkout  
w.findElement(By.xpath("//*[@id=\"Catalog\"]/form/input")).click(); //Continue  
w.findElement(By.xpath("//*[@id=\"Catalog\"]/a")).click(); //Confirm
```

TC-07: For payment gateway take screenshot

```
TakesScreenshot t =(TakesScreenshot) w;  
File src=t.getScreenshotAs(OutputType.FILE);
```

```
Files.copy(src, new File("C:\\Users\\HP\\Desktop\\New folder\\Pd1.png"));
```

Order #5503 2021/06/02 04:53:20		Return to Main Menu
Payment Details		
Card Type:	Visa	
Card Number:	999 9999 9999 9999 * Fake number!	
Expiry Date (MM/YYYY):	12/03	
Billing Address		
First name:	Shalaka	
Last name:	Gharat	
Address 1:	At: Pirkon	
Address 2:	Post: Aware	
City:	Uran	
State:	Maharashtra	
Zip:	410206	
Country:	India	
Shipping Address		
First name:	Shalaka	
Last name:	Gharat	
Address 1:	At: Pirkon	
Address 2:	Post: Aware	
City:	Uran	
State:	Maharashtra	
Zip:	410206	
Country:	India	
Courier:	UPS	
Status:	P	
Item ID	Description	Quantity Price Total Cost
EST-18	Adult Male Amazon Parrot	1 \$193.50 \$193.50
Total: \$193.50		

TC-08: To Check functionality of Help option

```
w.findElement(By.xpath("//*[@id=\"MenuContent\"]/a[4]")).click();
w.findElement(By.xpath("//*[@id=\"Content\"]/ul/li[1]/a")).click();
w.findElement(By.xpath("//*[@id=\"Content\"]/ul/li[2]/a")).click();
w.findElement(By.xpath("//*[@id=\"Content\"]/ul/li[3]/a")).click();
w.findElement(By.xpath("//*[@id=\"Content\"]/ul/li[4]/a")).click();
w.findElement(By.xpath("//*[@id=\"Content\"]/ul/li[5]/a")).click();
w.findElement(By.xpath("//*[@id=\"Content\"]/ul/li[6]/a")).click();
w.findElement(By.xpath("//*[@id=\"Content\"]/ul/li[7]/a")).click();
w.findElement(By.xpath("//*[@id=\"Content\"]/ul/li[8]/a")).click();
w.findElement(By.xpath("//*[@id=\"Content\"]/ul/li[9]/a")).click();
w.findElement(By.xpath("//*[@id=\"Content\"]/ul/li[10]/a")).click();
w.findElement(By.xpath("//*[@id=\"Content\"]/ul/li[11]/a")).click();
w.navigate().to("https://petstore.octoperf.com/actions/Catalog.action"); //back
System.out.println("back");
```

TC-09: To Check functionality of Fish Module

```
w.findElement(By.xpath("//*[@id=\"SidebarContent\"]/a[1]/img")).click();
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Angelfish
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Large
Angelfish
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FI-SW-01
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Small
Angelfish
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FI-SW-01
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FISH
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Tiger
Shark
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Toothless
Tiger Shark
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FI-SW-02
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FISH
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[4]/td[1]/a")).click(); //Koi
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Spotted
Koi
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FI-FW-01
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Spotless
Koi
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FI-FW-01
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FISH
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[5]/td[1]/a")).click(); //Goldfish
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Adult
Male Goldfish
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FI-FW-02
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Adult
Female Goldfish
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FI-FW-02
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FISH
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to Main Menu
```

TC-10: To Check functionality of Dogs Module

```
w.findElement(By.xpath("//*[@id=\"SidebarContent\"]/a[2]/img")).click();
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Bulldog
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Male
Adult Bulldog
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to K9-BD-01
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Female
Puppy Bulldog
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to K9-BD-01
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to DOGS
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Poodle
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Male
Puppy Poodle
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to K9-PO-02
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to DOGS
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[4]/td[1]/a")).click();
//Dalmation
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Spotless
Male Puppy Dalmation
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to K9-DL-01
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Spotted
Adult Female Dalmation
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to K9-DL-01
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to DOGS
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[5]/td[1]/a")).click(); //Golden
Retriever
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Adult
Female Golden Retriever
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to K9-RT-01
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to DOGS
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[6]/td[1]/a")).click(); //Labrador
Retriever
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Adult
Male Labrador Retriever
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to K9-RT-02
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Adult
Female Labrador Retriever
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to K9-RT-02
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[4]/td[1]/a")).click(); //Adult
Male Labrador Retriever
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to K9-RT-02
```

```
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[5]/td[1]/a")).click(); //Adult
Female Labrador Retriever
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to K9-RT-02
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to DOGS
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[7]/td[1]/a")).click();
//Chihuahua
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Adult
Male Chihuahua
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to K9-CW-01
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Adult
Female Chihuahua
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to K9-CW-01
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to DOGS
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to Main Menu
```

TC-11: To Check functionality of Cats Module

```
w.findElement(By.xpath("//*[@id=\"SidebarContent\"]/a[3]/img")).click();
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Manx
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Tailless
Manx
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FL-DSH-01
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //With tail
Manx
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FL-DSH-01
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to CATS
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Persian
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Adult
Female Persian
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FL-DLH-02
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Adult
Male Persian
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to FL-DLH-02
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to CATS
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to Main Menu
```

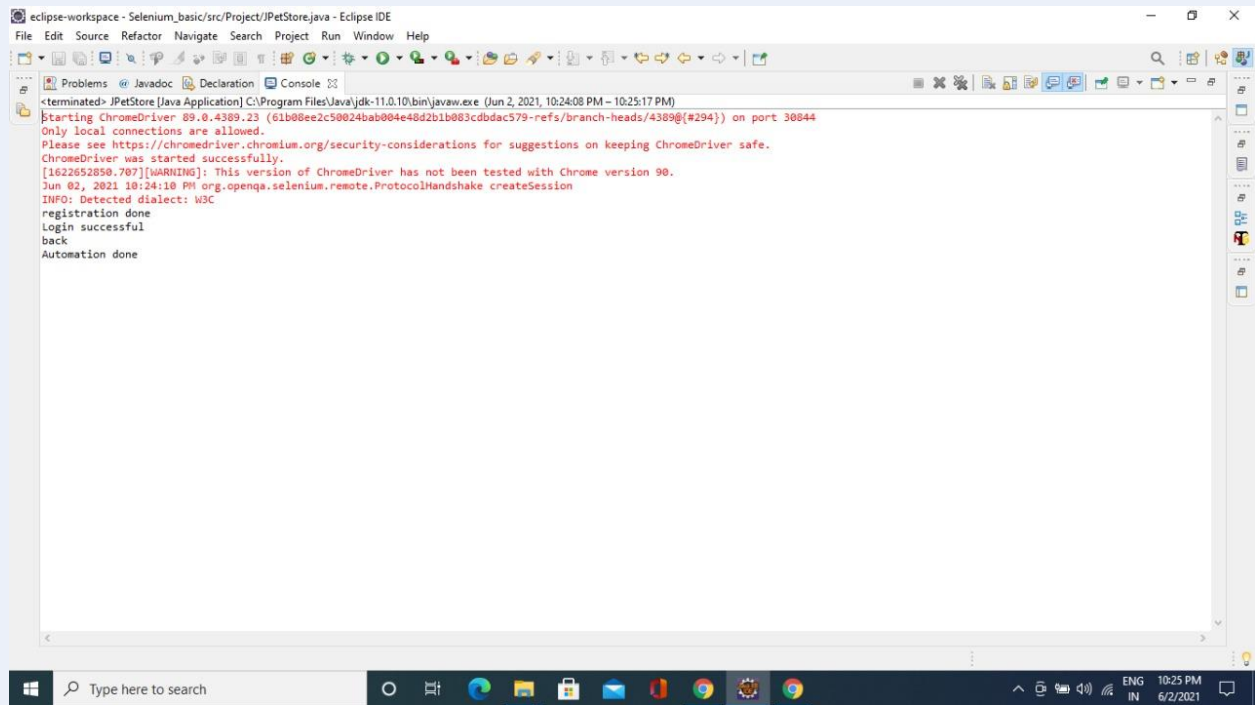
TC-12: To Check functionality of Reptiles Module

```
w.findElement(By.xpath("//*[@id=\"SidebarContent\"]/a[4]/img")).click();
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click();
//Rattlesnake
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click();
//Venomless Rattlesnake
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to RP-SN-01
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Rattleless
Rattlesnake
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to RP-SN-01
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to REPTILES
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Iguana
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Green
Adult Iguana
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to RP-LI-02
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to REPTILES
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to Main Menu
```

TC-13: To Check functionality of Birds Module

```
w.findElement(By.xpath("//*[@id=\"SidebarContent\"]/a[5]/img")).click();
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Amazon
Parrot
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Adult
Male Amazon Parrot
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to AV-CB-01
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to BIRDS
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[3]/td[1]/a")).click(); //Finch
w.findElement(By.xpath("//*[@id=\"Catalog\"]/table/tbody/tr[2]/td[1]/a")).click(); //Adult
Male Finch
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to AV-SB-02
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to BIRDS
w.findElement(By.xpath("//*[@id=\"BackLink\"]/a")).click(); //Return to Main Menu
System.out.println("Automation done");
```

Console window



The screenshot shows the Eclipse IDE interface with the Console window active. The console displays the following log output:

```
<terminated> JPetStore [Java Application] C:\Program Files\Java\jdk-11.0.10\bin\javaw.exe (Jun 2, 2021, 10:24:08 PM - 10:25:17 PM)
Starting ChromeDriver 89.0.4389.23 (61b08ee2c500240ab004e48d2b1b083cddac579-refs/branch-heads/4389@{#294}) on port 30844
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
[1622652850.707][WARNING]: This version of ChromeDriver has not been tested with Chrome version 90.
Jun 02, 2021 10:24:10 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
registration done
login successful
back
Automation done
```

The bottom of the image shows the Windows taskbar with the Start button, a search bar, and several application icons. The system tray on the right indicates the language is ENG, the time is 10:25 PM, and the date is 6/2/2021.