

Automation Testing

Final Project

<https://ecom-pet-store.myshopify.com/>

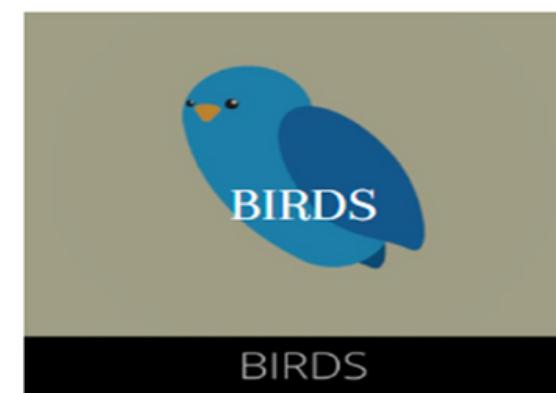
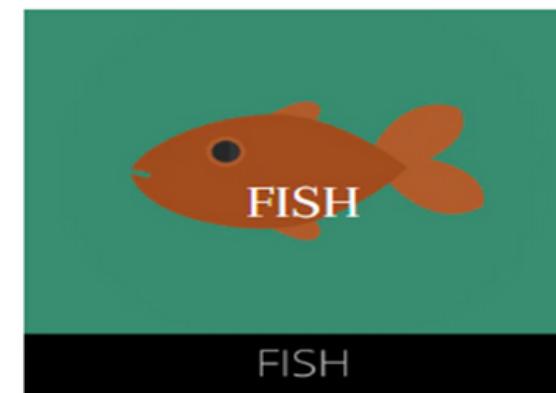
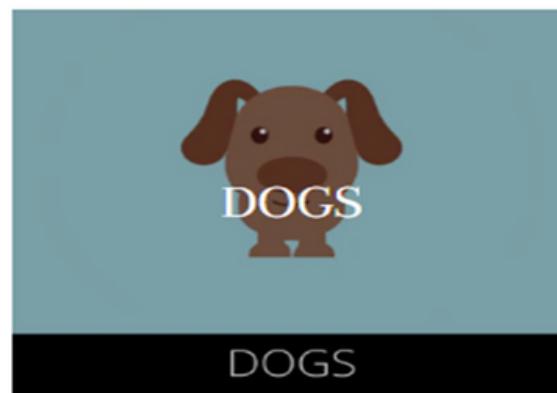


Our Team

- Neveen Jarrar
- Razan Alfar
- Ahmad Abu Yahia
- Hanan Abu-Ra'd

About The Project

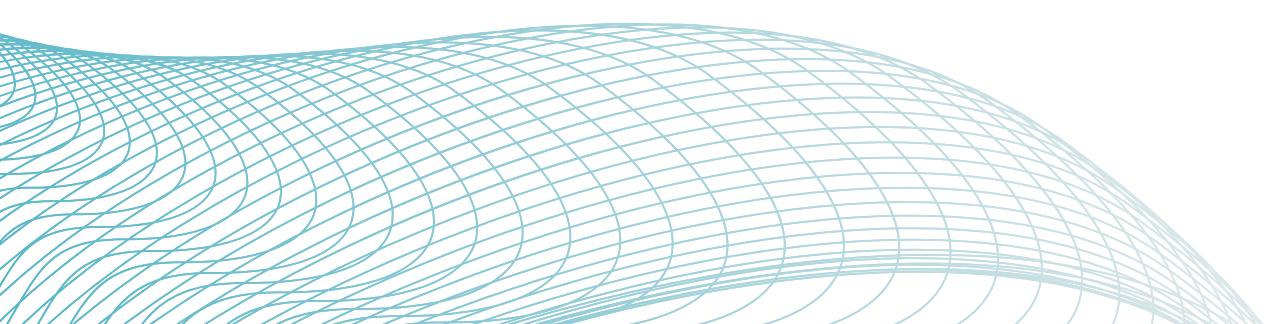
SELECT YOUR PET



scan me

Dependencies

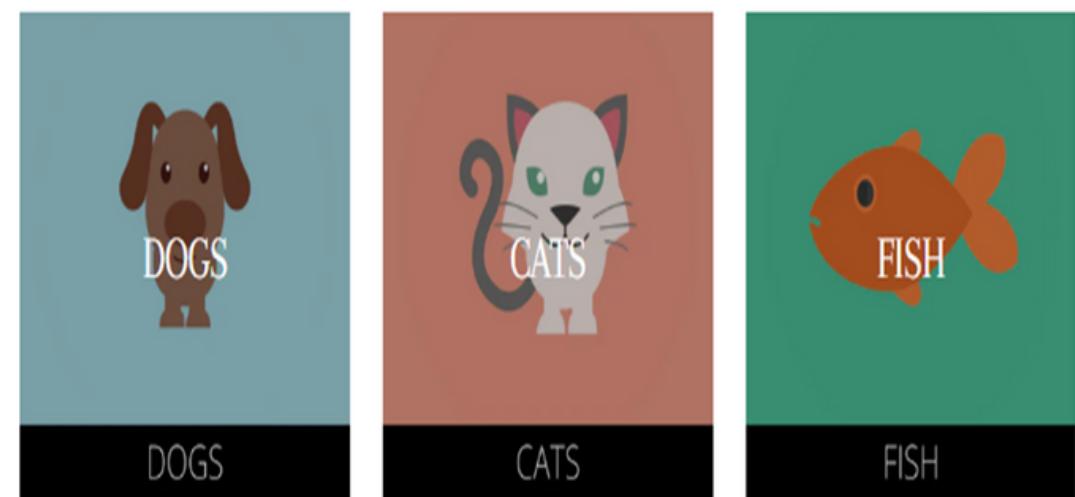


- 1 Selenium**
 - 2 Web Driver Manager**
 - 3 TestNG**
 - 4 Apache Commons IO**
- 

Test Case 1

1

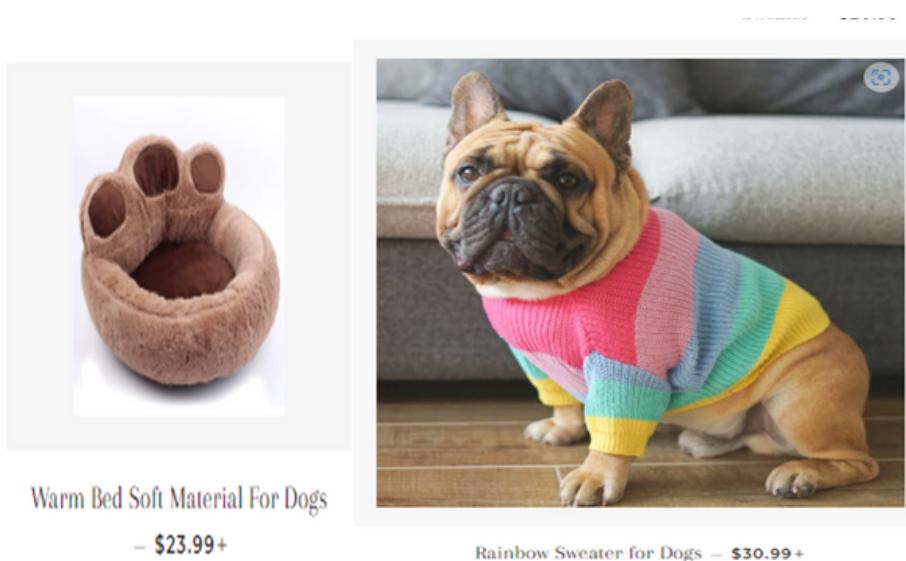
Selecting the “Dog” section



SELECT YOUR PET

2

Selecting a random item



3

Choosing size and color, then adding to the cart

Dog Collar & Leash
Set with Bow Tie

\$24.99

Color

COLLAR BOW

COLLAR BOW LEASH

Size

XS S M L XL

[ADD TO CART](#)

[BUY IT NOW](#)

Explain The Code

1- Navigate to dogs page

```
driver.get(dogs_page);
```

Note : Please refer to page 4 of the documentation (4.1 Parameters class).“

2- Create a list to store all dog products

```
List<WebElement>Products=driver.findElements(  
By.className("grid_product__meta"));
```

3- Select a random item

```
intproductRandInd=rand.nextInt(Products.size());  
products.get(productRandInd).click();
```



4- Select the color and size randomly

```
colors.get(colorRandInd).click();  
sizes.get(sizeRandInd).click();
```



5- Adding the product to the cart

```
driver.findElement(By.className("btn_text")).click();
```



Test Case 2

1

Complete the checkout process

Your cart

QUANTITY	TOTAL
1	\$37.99
SUBTOTAL	\$37.99

Taxes and shipping calculated at checkout

[UPDATE CART](#) [CHECK OUT →](#)

2

capture the payment screen

DEMO PET STORE

Cart > Information > Shipping > Payment

Contact	aa@gmail.com	Change
Ship to	Amman, amman 13181, Jordan	Change
Method	Priority Mail International - \$57.53	Change

Payment

All transactions are secure and encrypted.



This store can't accept payments right now.

[Return to shipping](#)

Explain The Code

1-Navigate to cart page

```
driver.get(Cart_Url);
```

2- create a webelement

```
WebElement email_Field = driver.findElement(By.id("email"));  
WebElement city_Field = driver.findElement(By.name("city"));
```

3-Send keys from Webdriver

```
email_Field.sendKeys("aa@gmail.com");  
last_Name1_Field.sendKeys("testUser");
```

4-Use a implicit Method

```
driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(15));
```

5-click "continue to payment" button

```
continue_to_shipping.click();
```

5-Take the screenshot for payment page

```
TakesScreenshot scrShot = ((TakesScreenshot) driver);  
File screenshotFile = scrShot.getScreenshotAs(OutputType.FILE);  
String filePath = "./test.png";  
FileUtils.copyFile(screenshotFile, new File(filePath));
```

About Me



Razan Alfar



Computer Engineering

Skills Gained

- communication skills
- Build modern CV
- Uploaded many tasks on github
- grow our linkedin account



The outcomes

- Over 5 repositories documented on github with advanced projects
- over 400 connection on linkedIn
- over 30 skills was added to my linkedin profile
- An increase in impressions on posts that mention HTU and Abdelraheem

Content performance



New followers

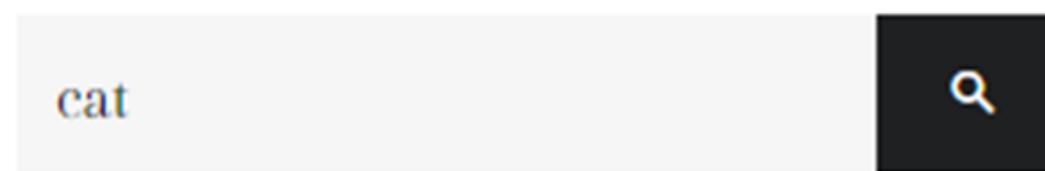


Test Case 3

Checking The functionality of searching process

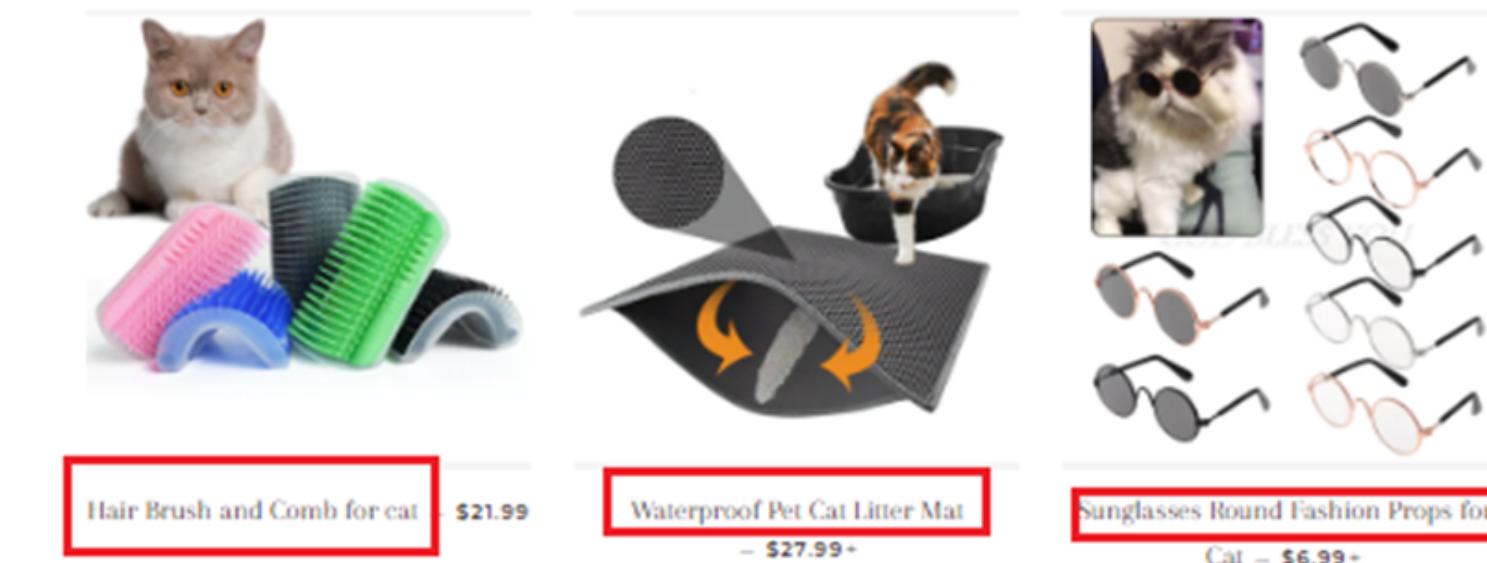
1

Search for "cat"



2

Store Item titles in a list



Explain The Code

1-find the search bar and send word "cat"

```
WebElement searchBar =  
    driver.findElement(By.className("input-group-field"));  
searchBar.sendKeys("cat" + Keys.ENTER);
```

2-Store item's titles in a List

```
List<WebElement> searchResultTitles =  
    driver.findElements(By.className("grid-product__title"))
```

3-Define, a boolean flag

```
boolean flagIfTitleContainsCat = false;
```

4>Create an for loop to iterate over list items

```
for (int i = 0; i < searchResultTitles.size(); i++) {
```

5-Add condition to check the title content

```
String title =  
    searchResultTitles.get(i).getText().toLowerCase();  
if (title.contains("cat")) {  
    flagIfTitleContainsCat = true;  
} else {  
    flagIfTitleContainsCat = false;  
    break;
```

6- Define an Assertion

```
myAssert.assertEquals(flagIfTitleContainsCat, true);
```



Test Case 4&5

- Select randomly between ("dogs,"cats,"fish",rabbits") then check the items count inside the page.
- Fill the information required in the contact form

1

Page Object Model

2

Data Provider

3

Testing Reports



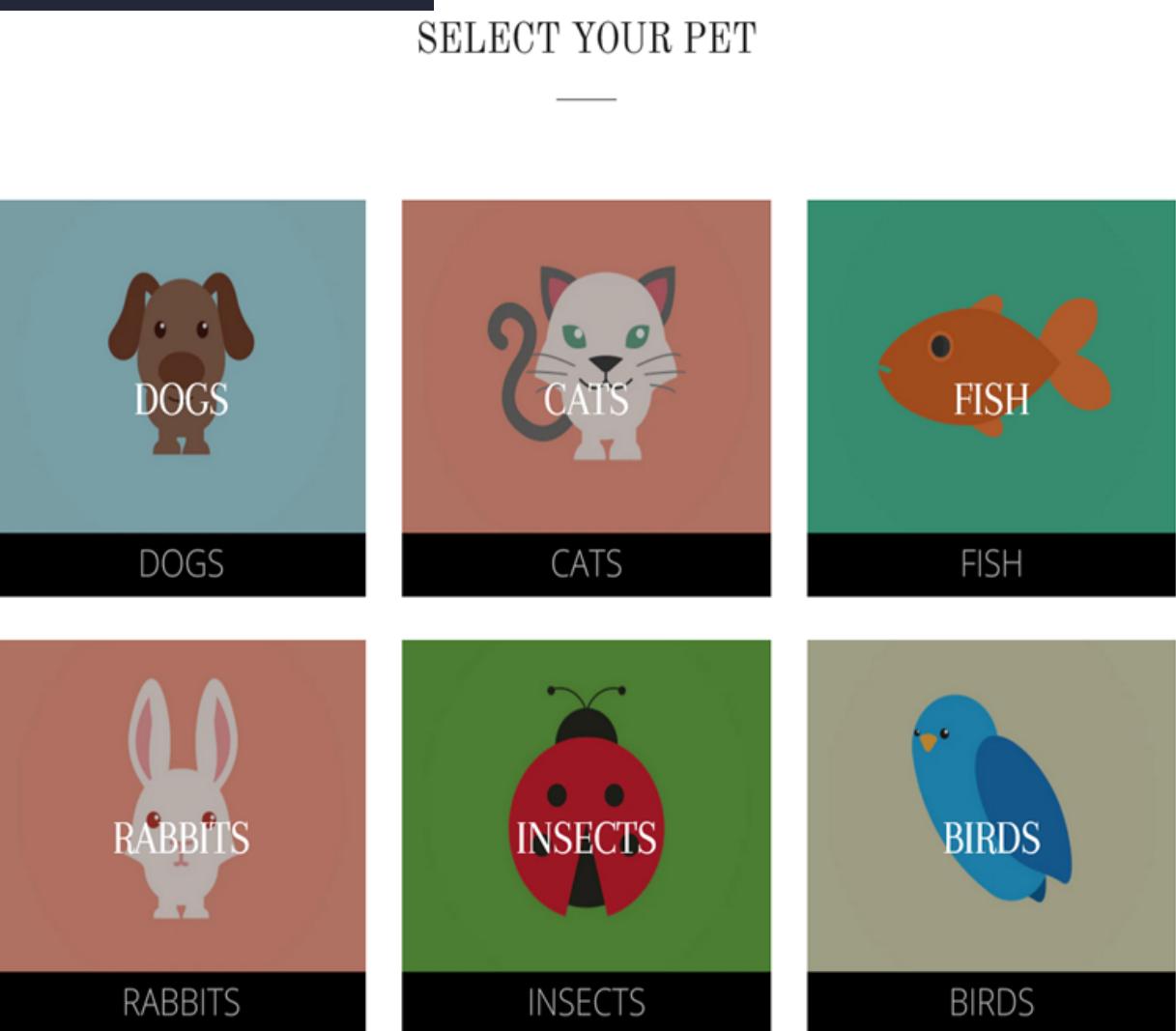
In the Tests File:

```
@Test(priority = 2) - Ahmad J. Abu Yahia *
public void verify_selecting_random_animal_category() {
    HomePage.selectRandomPetType();
    int petItemsNumber = HomePage.getPetItemsNumber();
    Assert.assertTrue(condition: petItemsNumber == 10 || petItemsNumber == 12,
        message: "Unexpected number of items: " + petItemsNumber);
}
```

Page Object Model

In the Home Page File:

```
public class HomePage { - Ahmad J. Abu Yahia *
    2 usages
    private final WebDriver driver;
    2 usages
    private final Random random;
    1 usage
    String PAGE_URL = "https://ecom-pet-store.myshopify.com/";
    1 usage
    @FindBy(className = "collection-grid__item-link")
    private List<WebElement> petTypes;
    1 usage
    @FindBy(className = "product--image")
    private List<WebElement> petItems;
    1 usage
    public HomePage(WebDriver d, Random r) {...}
    1 usage
    public void selectRandomPetType() { - Ahmad J. Abu Yahia
        driver.get(PAGE_URL);
        int randomPetType = random.nextInt(bound: 4);
        petTypes.get(randomPetType).click();
    }
    1 usage
    public int getPetItemsNumber() { return petItems.size(); }
}
```



In the Tests File:

```
@Test(priority = 5, dataProvider = "contactFormData") ✨ Ahmad J. Abu Yahia *
public void verify_filling_contact_form_and_submit(String name, String email, String phone, String message) {
    contactPage.fillForm(name, email, phone, message);
    contactPage.submitForm();
    Assert.assertEquals(contactPage.EXPECTED_MSG, contactPage.getFormMessage());
}
```

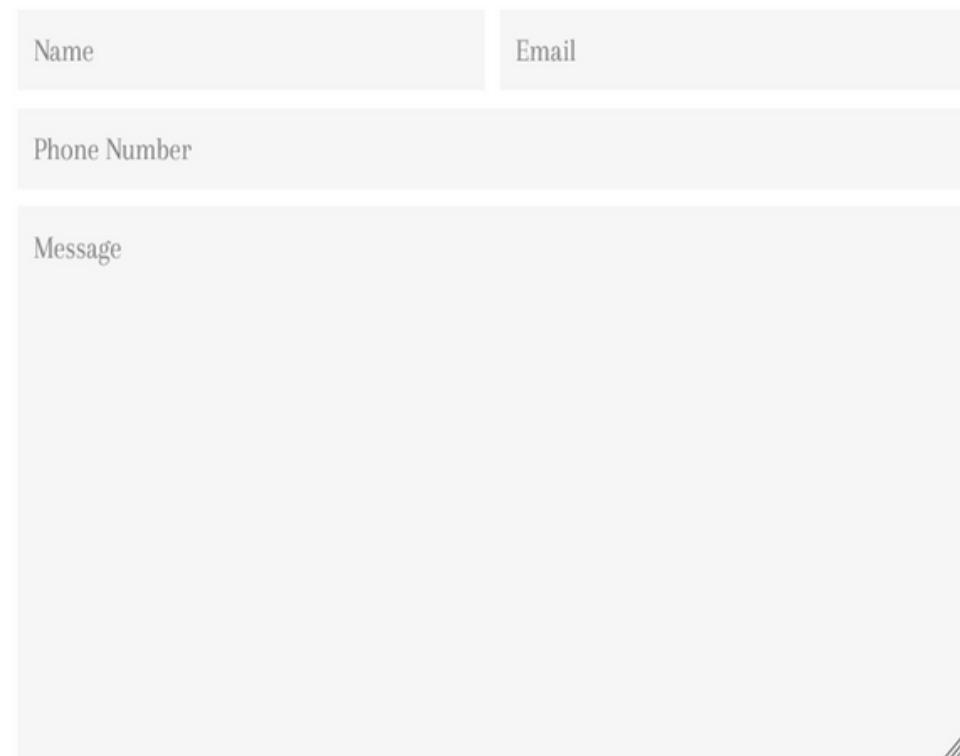
Data Provider



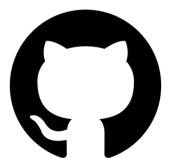
The Data Provider:

```
@DataProvider(name = "contactFormData") new *
public Object[][] getContactFormData() {
    return new Object[][]{
        {
            "Carl",
            "a@vogf.com",
            "55292500611",
            "I want my order wrapped as a gift"
        },
        {
            "Gentry Torres",
            "gentrytorres@conferia.com",
            "8665533942",
            "Veniam cillum elit labore enim. Proident ullamco ipsum ut id aliquip id ad nostr
        },
        {
            "Wilcox Kirby",
            "wilcoxkirby@conferia.com",
            "8974362501",
            "Irure amet elit incididunt dolor. Eu nulla proident ex cupidatat. Do sunt eu ut
        }
    };
}
```

CONTACT



The form fields are labeled: Name, Email, Phone Number, and Message. A large blue 'SEND' button is at the bottom right.



GitHub



Pet-Store D:\projects\Pet-Store

- > .idea
- < src
 - ✓ main
 - java
 - ✓ test
 - ✓ java
 - org.example
 - PetStoreTests
 - ✓ pages
 - CartPage
 - ContactPage
 - DogsPage
 - HomePage
 - SearchPage
 - > target
 - < test-output
 - All Test Suite
 - <> emailable-report.html
 - </> testing-failed.xml
 - ∅ .gitignore
 - ≡ LICENSE
 - m pom.xml
 - M README.md
 - </> testng.xml
 - > External Libraries

Testing Reports

Test	# Passed	# Skipped	# Retried	# Failed	Time (ms)	Included Groups	Excluded Groups
All Test Suite							
D:/projects/Pet-Store	6	0	0	1	80,083		
Class Method Start Time (ms)							
All Test Suite							
D:/projects/Pet-Store — failed							
org.example.PetStoreTests	verify search for cat				1685356738418	3415	
D:/projects/Pet-Store — passed							
org.example.PetStoreTests	verify checkout process and screenshot payment page				1685356751551	5667	
	verify filling contact form and submit				1685356776711	15368	
	verify filling contact form and submit						
	verify filling contact form and submit						
	verify selecting random animal category				1685356741849	2184	
	verify selecting random dog item				1685356744035	7508	

D:/projects/Pet-Store

org.example.PetStoreTests#verify_search_for_cat

Exception
java.lang.AssertionError: Not all shown items have the word 'cat' in it, found only: 6 expected [9] but found [6] at org.testng.Assert.fail(Assert.java:110) at org.testng.Assert.failNotEquals(Assert.java:1577) at org.testng.Assert.assertEqualsImpl(Assert.java:149) at org.testng.Assert.assertEquals(Assert.java:131) at org.testng.Assert.assertEquals(Assert.java:1418) at org.testng.Assert.assertEquals(Assert.java:1382) at org.example.PetStoreTests.verify_search_for_cat(PetStoreTests.java:73) at java.base/jdk.internal.reflect.DirectMethodHandleAccessor.invoke(DirectMethodHandleAccessor.java:104) at java.base/java.lang.reflect.Method.invoke(Method.java:578) at org.testng.internal.invokers.MethodInvocationHelper.invokeMethod(MethodInvocationHelper.java:139) at org.testng.internal.invokers.TestInvoker.invokeMethod(TestInvoker.java:677) at org.testng.internal.invokers.TestInvoker.invokeTestMethod(TestInvoker.java:221) at org.testng.internal.invokers.MethodRunner.runInSequence(MethodRunner.java:50)

Contact Us

Our LinkedIn accounts



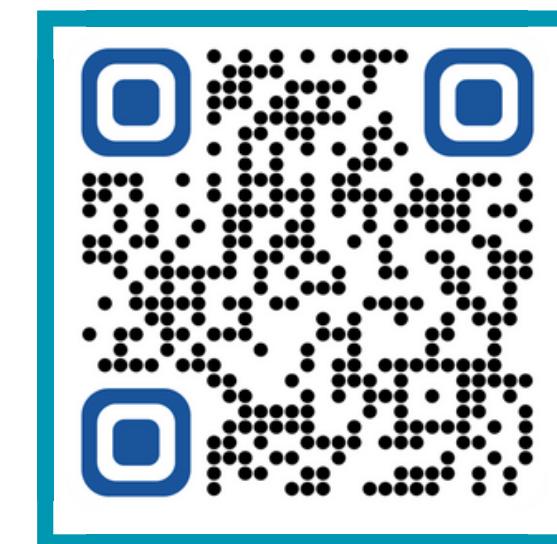
Neveen Jarrar



Hanan Abu Ra'd



Razan AL Far



Ahmad Abu Yahia