Practical Test- QA Engineering

1.

- Boundary value Analysis

Invalid Test cases (Min value -1)	Valid Test cases(Min,+Min,Max,-Max)	Invalid Test cases(Max value +1)
-1	0,1,1000,999	1001

Minimum boundary value is: 0
Maximum boundary value is: 1000

Valid Inputs: 0,1,1000,999
Invalid Inputs: -1,1001

- Equivalence Partitioning Testing

Invalid	Valid - 3%	Valid – 5%	Valid – 7%
-0$ alphabets etc	0.00 - 100.00	100.01 – 1000.00	1000.01

2.

Test case ID	Test case Description	Severity	Priority	Test Data	Test Case Steps	Expected Results	Actual Results	Status
TC_001	Verify whether the user can be able to add two values	Medium	Medium	Input “10” Input “20”	1. Input the "A" value 2. Click the "ADD" button 3. Input the "B" value	User should display the Input “A” value & “B” value(10+20)		Not Executed
TC_002	Verify whether the user can be able to clear the added single value.	Medium	Medium	Input “10”	1. Input the "A" value 2. Click the "CLEAR" button	The user should display the remove the added value. (Display the empty mode)		Not Executed
TC_003	Verify whether the user can be able to clear the added multiple values.	Medium	Medium	Input “10” Input “20”	1. Input the "A" value 2. Click the "ADD" button 3. Input the "B" value 4. Click the "CLEAR" button	The user should display the remove the added multiple values. (Display the empty mode)		Not Executed

4.

```
SELECT Name FROM  Employee
WHERE Salary > 2000 & Months < 10
ORDER BY Employee_Id  ASC;
```

3.

```
package janith111;

import java.sql.Driver;
import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.testng.Reporter;
import org.testng.annotations.*;
import java.util.Random;
import java.util.UUID;


public class TetCase {

static WebDriver driver;




	@Test
	public static void driveropen() {
		System.out.println("tghth");
		// initiate driver

		System.setProperty("webdriver.chrome.driver",
				System.getProperty("user.dir") +
"//driver_automationpractice//chromedriver.exe");
		WebDriver driver = new ChromeDriver();
		// open browser
		driver.get("http://automationpractice.com/index.php");
		driver.manage().window().maximize();

		driver.findElement(By.xpath("//a[@title='Log in to your customer
account']")).click();
		// explicit wait
		WebDriverWait wait = new WebDriverWait(driver, 60);

	wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//input[@id
='email_create']")));
		// type
		String rand = UUID.randomUUID().toString();
```

```
	driver.findElement(By.xpath("//input[@id='email_create']")).sendKeys(rand+"@ds
fdf.dedfv");
		driver.findElement(By.xpath("//span[normalize-space()='Create an
account']")).click();
		// implicit wait
		driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
		driver.findElement(By.xpath("//input[@id='id_gender1']")).click();

		driver.findElement(By.xpath(
				"//label[contains(text(),'First name')]/./following-
sibling::input[@name=\"customer_firstname\"]"))
				.sendKeys("advadvsdv fgrgr");


	driver.findElement(By.xpath("//input[@name='customer_lastname']")).sendKeys("d
fdeefef");


	driver.findElement(By.xpath("//input[@type='password']")).sendKeys("dfdeefef")
;
		// select
		Select days = new
Select(driver.findElement(By.xpath("//select[@id='days']")));
		// Select the option with value "6"
		days.selectByValue("6");
		driver.manage().timeouts().implicitlyWait(3, TimeUnit.SECONDS);

		// select
		Select months = new
Select(driver.findElement(By.xpath("//select[@id='months']")));
		// Select the option with January
		months.selectByIndex(5);
		driver.manage().timeouts().implicitlyWait(3, TimeUnit.SECONDS);

		Select years = new
Select(driver.findElement(By.xpath("//select[@id='years']")));
		// Select the option with January
		years.selectByValue("1996");
		driver.manage().timeouts().implicitlyWait(2, TimeUnit.SECONDS);


	driver.findElement(By.xpath("//input[@name='firstname']")).sendKeys("dfdeefef"
);

	driver.findElement(By.xpath("//input[@name='lastname']")).sendKeys("dfdeefef")
;

	driver.findElement(By.xpath("//input[@name='address1']")).sendKeys("dfdeefef")
;

	driver.findElement(By.xpath("//input[@name='city']")).sendKeys("dfdeefef");

		Select id_state = new
Select(driver.findElement(By.xpath("//select[@id='id_state']")));
```

```
            // Select the option with January
            id_state.selectByVisibleText("Alabama");
            driver.manage().timeouts().implicitlyWait(3, TimeUnit.SECONDS);

      driver.findElement(By.xpath("//input[@name='postcode']")).sendKeys("00000");

      driver.findElement(By.xpath("//input[@name='phone_mobile']")).sendKeys("016154
16516516000");

            driver.findElement(By.xpath("//span[text()='Register']")).click();


      wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("(//a[text()
='Dresses'])[2]")));
            driver.findElement(By.xpath("(//a[text()='Dresses'])[2]")).click();

            //click("(//a[@title='Printed Dress'])[2]");

      wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("(//a[@title
='Printed Dress'])[2]")));

            Actions actions = new Actions(driver);
            WebElement Dress = driver.findElement(By.xpath("(//a[@title='Printed
Dress'])[2]"));
            //Dress.click();
            actions.moveToElement(Dress).build().perform();
            driver.findElement(By.xpath("(//span[text()='Add to
cart'])[1]")).click();


      wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("(//span[@ti
tle='Continue shopping'])[1]")));
            driver.findElement(By.xpath("(//span[@title='Continue
shopping'])[1]")).click();

            WebElement tshirt = driver.findElement(By.xpath("(//a[@title=\"T-
shirts\"])[2]"));

      wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("(//a[text()
='Dresses'])[2]")));
            tshirt.click();


      wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("(//a[@title
='Faded Short Sleeve T-shirts'])[2]")));


            WebElement Sleeve = driver.findElement(By.xpath("(//a[@title='Faded
Short Sleeve T-shirts'])[2]"));
            actions.moveToElement(Sleeve).build().perform();
            driver.findElement(By.xpath("(//span[text()='Add to
cart'])[1]")).click();
            driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);
            driver.findElement(By.xpath("(//a[@title='Proceed to
checkout'])[1]")).click();
```

```
            driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

      wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("(//i[@class
='icon-plus'])[1]")));
            driver.findElement(By.xpath("(//i[@class='icon-plus'])[1]")).click();
            WebElement total =
driver.findElement(By.xpath("//span[@id=\"total_price\"]"));
            String subtotal =  total.getText();
            String expecterdvalue = "$73.33";
            if (subtotal.equals(expecterdvalue)) {
                  Reporter.log(subtotal+" corect");
            }
            else {
                  Reporter.log(subtotal+" wrong");
                  //fail(expecterdvalue+"not matched with "+subtotal);
            }


                        WebElement countss =
driver.findElement(By.xpath("(//span[@class=\"ajax_cart_quantity\"])[1]"));

                        String counts =  countss.getText();
                        String expecterdvaluecounts = "3";
                        if (counts.equals(expecterdvaluecounts)) {
                              Reporter.log(counts+" corect");
                        }
                        else {
                              Reporter.log(counts+" wrong");
                              //fail(counts+"not matched with
"+expecterdvaluecounts);
                        }

                        //WebElement checkout =
driver.findElement(By.xpath("(//span[text()='Proceed to checkout'])[1]"));

                        WebElement checkout =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("(//span[text()='Pr
oceed to checkout'])[1]")));
                        checkout.click();
                        WebElement checkout2 =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("(//span[text()='Pr
oceed to checkout'])[1]")));
                        checkout2.click();



      driver.findElement(By.xpath("//input[@type=\"checkbox\"]")).click();
                        WebElement checkout3 =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//button[@name=\"p
rocessCarrier\"]")));
                        checkout3.click();

      driver.findElement(By.xpath("//a[@class=\"bankwire\"]")).click();
```

```
                        driver.findElement(By.xpath("//span[text()='I confirm my
order']")).click();
                        driver.close();

        }


}
```

Test	# Passed	# Skipped	# Retried	# Failed	Time (ms)	Included Groups	Excluded Groups
Default suite							
Default test	1	0	0	0	104,218		

Class	Method	Start	Time (ms)
Default suite			
Default test — passed			
janith111.TetCase	driveropen	1663317935161	104107

Default test

janith111.TetCase#driveropen

Messages
$46.29 wrong 2 wrong

back to summary