

Selenium Class 31 - Writing Selenium Test Cases Part-2

Write Test Cases...

Test Case 1: Verify Internal and External Links.....

Test Case 2: Verify the Element Existence...

Test Case 3: Verify Customer Registration.....

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Test Case 4: Verify Customer Login to gcrShop User Interface

Test Steps:

- i) Launch the Browser
- ii) Navigate to gcrShop User Interface (<http://www.gcrit.com/build3/>)
- iii) Click "login" link
- iv) Enter "E-Mail Address"
- v) Enter "Password"
- vi) Click "Sign In" Button

Input / Test Data:

- i) E-Mail Address: divyapriya345a@gmail.com
- ii) Password: abcd123

Verification Point:

Verify the Existence of "Logoff" link after Sign In.

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Selenium WebDriver Test script:

```
System.setProperty("webdriver.chrome.driver", "E:/chromedriver.exe");
WebDriver driver = new ChromeDriver();
driver.manage().window().maximize();

driver.get("http://www.gcrit.com/build3/");
driver.findElement(By.linkText("login")).click();

driver.findElement(By.name("email_address")).sendKeys("divyapriya345a@gmail.com");
driver.findElement(By.name("password")).sendKeys("abcd123");
driver.findElement(By.id("tdb5")).click();

if (driver.findElement(By.linkText("Log Off")).isDisplayed() == true){
System.out.println("Customer Login is Successful - Passed");
}
else {
System.out.println("Customer Login is Unsuccessful - Failed");
}
driver.close();
.....
```

Test Script with exception handling code

```
System.setProperty("webdriver.chrome.driver", "E:/chromedriver.exe");
WebDriver driver = new ChromeDriver();
driver.manage().window().maximize();
```

```
driver.get("http://www.gcrit.com/build3/");
driver.findElement(By.linkText("login")).click();

driver.findElement(By.name("email_address")).sendKeys("divyapriya345a@
gmail.com");
driver.findElement(By.name("password")).sendKeys("abcd123");
driver.findElement(By.id("tdb5")).click();

try{
if (driver.findElement(By.linkText("Log Off")).isDisplayed()== true){
System.out.println("Customer Login is Successful - Passed");
}
}
catch (NoSuchElementException e){
System.out.println("Customer Login is Unsuccessful - Failed");
}
driver.close();
.....
```

Test Case 5: Verify User Registration in a Forum

Test Steps:

- i) Launch the Browser
- ii) Navigate to gcr Forum (<http://www.gcreddy.com/forum/>)
- iii) Click "Register" Link
- iv) Click "I agree to these terms"
- v) Enter "Username"

- vi) Enter "Email Address"
- vii) Enter "Password"
- viii) Enter "Confirm password"
- ix) Enter "Confirmation code:"
- x) Click "Submit" Button

Test Data/Input:

- i) Username: vikas123
- ii) Email Address: vikas12345@gmail.com
- iii) Password: abcd1234
- iv) Confirm Password: abcd1234

- v) Confirmation code:

Note: In this scenario, Static Test Data is sufficient for first four fields, but for 5th field dynamic test data is required.

"Dynamic submission of Test Data"

Expected Result:

"Your account has been created."

Verification Point:

Capture the confirmation message and compare with expected result.

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Note: You can launch any web page directly by providing the page url, otherwise you can use alternate navigation.

G C Reddy Technologies (www.gcreddy.com)

Landing Page:

i) gcreddy Forum Registration Page
("http://www.gcreddy.com/forum/ucp.php?mode=register")

Or

i) gcreddy Forum home(("http://www.gcreddy.com/forum/)
ii) Registration Page (Click "Register" Link)

Or

i) gcreddy Home page ("http://www.gcreddy.com/)
ii) Forum Home (Click form link ("http://www.gcreddy.com/forum/))
iii) Registration Page (Click "Register"
Link(http://www.gcreddy.com/forum/ucp.php?mode=register))

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Selenium WebDriver Test Script/Test Case:

```
System.setProperty("webdriver.chrome.driver", "E:/chromedriver.exe");
```

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

```
driver.manage().window().maximize();
```

```
driver.get("http://www.gcreddy.com/");
```

```
driver.findElement(By.linkText("Forum")).click();
```

```
driver.findElement(By.linkText("Register")).click();
```

```
driver.findElement(By.id("agreed")).click();
```

```
driver.findElement(By.id("username")).sendKeys("vikasra123");
```

G C Reddy Technologies (www.gcreddy.com)

```
driver.findElement(By.id("email")).sendKeys("vikasra12345@gmail.com");  
driver.findElement(By.id("new_password")).sendKeys("abcd1234");  
driver.findElement(By.id("password_confirm")).sendKeys("abcd1234");
```

```
System.out.println("Enter Captcha");  
Scanner scan = new Scanner(System.in);  
String captcha = scan.nextLine();
```

```
driver.findElement(By.id("confirm_code")).sendKeys(captcha);  
driver.findElement(By.id("submit")).click();  
Thread.sleep(4000);
```

```
String message= driver.findElement(By.cssSelector("#message > div >  
p")).getText();  
//System.out.println(message);
```

```
if (message.contains("Your account has been created.")){  
System.out.println("User Registration is Successful - Passed");  
}  
else  
{  
System.out.println("User Registration is Unsuccessful - Failed");  
}  
driver.close();  
}  
}
```

.....