**Writing Selenium Webdriver Test Cases Part -2**  
  
**Writing Selenium WebDriver Test Cases**  
  
**6) Test Case:** Check Admin Login Functionality in web portal (Positive Test Case)  
**7) Test Case:** Check Error Message/s in Admin Login Functionality(Negative Test Case)  
**8) Test Case:** Check Admin Functionality with valid and invalid inputs(Positive and Negative Testing)  
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6) Test Case: Check Admin Login Functionality in gcrShop web portal (Positive Test Case)  
  
**Test Steps:**  
i) Launch the Browser  
ii) Navigate to gcrShop Admin Interface (http://www.gcrit.com/build3/admin/)  
iii) Enter Valid User name  
iv) Enter Valid Password  
v) Click "Login" Button  
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**Verification Point:**  
Capture the url and compare with expected.  
  
**Expected url:**http://www.gcrit.com/build3/admin/index.php  
  
**Actual:**  
**Test Data:**  
User name = admin  
Password = admin@123  
-----------------------------------  
**Selenium Test Case:**  
   
WebDriver driver = new FirefoxDriver();  
driver.get("http://www.gcrit.com/build3/admin/");  
driver.findElement(By.name("username")).sendKeys("admin");  
driver.findElement(By.name("password")).sendKeys("admin@123");  
driver.findElement(By.id("tdb1")).click();  
  
String url = driver.getCurrentUrl();  
  
if (url.equals("http://www.gcrit.com/build3/admin/index.php")){  
System.out.println("Admin Login Successful - Passed");  
}  
else {  
System.out.println("Admin Login Unsuccessful - Failed");  
}  
driver.close();  
--------------------------------------  
7) Test Case: Check Error Message/s in Admin Login Functionality (Negative Test Case)  
   
**Test Steps:**  
i) Launch the Browser  
ii) Navigate to gcrShop Admin Interface (http://www.gcrit.com/build3/admin/)  
iii) Enter Invalid User name and / or Password  
iv) Click "Login" Button  
----------------------------  
**Verification point:**  
Capture the Error Message and compare with expected.  
  
**Expected:** Error: Invalid administrator login attempt.  
  
**Test Data:**  
User Name: admina  
Password: admin@123  
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**Selenium Test Case:**  
   
WebDriver driver = new FirefoxDriver();  
driver.get("http://www.gcrit.com/build3/admin/");  
driver.findElement(By.name("username")).sendKeys("admina");  
driver.findElement(By.name("password")).sendKeys("admin@123");  
driver.findElement(By.id("tdb1")).click();  
  
String url = driver.getCurrentUrl();  
if (url.contains("http://www.gcrit.com/build3/admin/login.php")){  
String ErrorMessage = driver.findElement(By.className("messageStackError")).getText();  
  
if (ErrorMessage.contains("Invalid administrator login attempt.")){  
System.out.println("Handling Invalid Inputs - Passed");  
}  
}  
else {  
System.out.println("Not Handling Invalid Inputs - Failed");  
}  
driver.close();  
----------------------------------  
Assignment:  
  
Verify the maximum Login attempts (For invalid inputs only)  
Verification: After 3 attempts it blocks the Login Functionality for 5 minutes.  
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8) Test Case: Check Admin Functionality with valid and invalid inputs (Positive and Negative Testing)  
Test steps:  
i) Launch the Browser  
ii) Navigate to gcrShop Admin Interface (http://www.gcrit.com/build3/admin/)  
iii) Enter valid "User name"  
iv) Enter Valid "Password"  
v) Click "Login" Button  
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\* Repeat the navigation with Invalid User Name and / or Password  
  
Verification points:  
i) Capture the url and compare with expected.  
Expected: http://www.gcrit.com/build3/admin/index.php  
  
Test Data:  
User name = admin  
Password = admin@123  
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ii) Capture the Error message and compare with expected:  
Expected =Error: Invalid administrator login attempt.  
  
Test Data:   
User name = admina  
Password = admin@123a  
(Invalid User name and Invalid Password)  
  
Other Negative Scenarios:  
  
1) Valid User name and Invalid Password  
2) Invalid user Name and Valid Password  
3) Blank User name and Valid Password/Invalid Password  
4) Valid / Invalid User name and Blank password  
5) Blank User name and Blank password  
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**Selenium Test Case:**  
  
public class VerifyLogin {  
static int i;  
static String username, password, iteration;  
public static void main(String[] args) throws InterruptedException {  
WebDriver driver = new FirefoxDriver();  
  
for (i = 1; i <= 2; i++){  
if (i == 1)    {  
username = "admin";  
password = "admin@123";  
iteration = "Iteration 1:";  
}  
else if(i == 2){  
username = "admina";  
password = "admin@123a";  
iteration = "Iteration 2:";      
}  
  
driver.get("http://www.gcrit.com/build3/admin/");  
driver.findElement(By.name("username")).sendKeys(username);  
driver.findElement(By.name("password")).sendKeys(password);  
Thread.sleep(3000);  
driver.findElement(By.id("tdb1")).click();  
  
String url = driver.getCurrentUrl();  
  
if (url.contains("http://www.gcrit.com/build3/admin/index.php")){  
System.out.println(iteration + ("Input Data: ") + username + ", "+ password + " Admin Login   
  
Successful -Passed");  
driver.findElement(By.linkText("Logoff")).click();  
Thread.sleep(2000);  
}  
else if (! url.contains("http://www.gcrit.com/build3/admin/index.php")){  
String ErrorMessage = driver.findElement(By.className("messageStackError")).getText();  
if (ErrorMessage.contains("Invalid administrator login attempt.")){  
System.out.println(iteration + ("Input Data: ") + username + ", "+ password + " Handling Invalid   
  
Inputs -Passed");  
}  
else {  
System.out.println(iteration +  "- Failed");  
}  
}  
}  
driver.close();  
}  
}  
---------------------------------------------  
9) Test Case: Check communication between different browsers.  
   
**Test Steps:**  
i) Create Mozilla Firefox driver, Google chrome driver and IE driver.  
ii) Launch three different applications  
iii) Interact from one application to another  
iv) Close all browsers one by one.  
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**Selenium Test Case:**  
  
WebDriver firefoxDriver = new FirefoxDriver();  
firefoxDriver.get("https://www.google.com");  
firefoxDriver.findElement(By.linkText("Gmail")).click();  
String text = firefoxDriver.findElement(By.xpath("html/body/div[1]/div[2]/div[1]/h2")).getText();  
  
System.setProperty("webdriver.chrome.driver", "E:\\chromedriver.exe");  
WebDriver chromeDriver = new ChromeDriver();  
chromeDriver.get("http://www.gcrit.com/build3/create\_account.php?  
  
osCsid=1vbg1oj32ole3qrcv4b6mr7m24");  
chromeDriver.findElement(By.name("firstname")).sendKeys(text);  
Thread.sleep(3000);  
  
System.setProperty("webdriver.ie.driver", "E:\\IEDriverServer.exe");  
WebDriver IEDriver = new InternetExplorerDriver();  
IEDriver.get("https://in.mail.yahoo.com/");  
  
firefoxDriver.close();  
chromeDriver.close();  
IEDriver.close();  
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