// positivetest

**package** com.selenium;

**import** java.io.File;

**import** java.io.IOException;

**import** java.net.URL;

**import** org.apache.commons.io.FileUtils;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.OutputType;

**import** org.openqa.selenium.TakesScreenshot;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.remote.DesiredCapabilities;

**import** org.openqa.selenium.remote.RemoteWebDriver;

**import** org.testng.Assert;

**import** org.testng.annotations.Test;

**public** **class** heroku {

@Test

**public** **void** registrationTest()

{

System.***out***.println("starting registration test");

// create driver

System.*setProperty*("webdriver.chrome.driver", "E:\\selenium-java-3.5.0\\chromedriver.exe");

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

sleep(3000);

//maximize browser window

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

driver.navigate().to("https://accounts.lambdatest.com/register");

System.***out***.println("page is opened");

driver.findElement(By.*name*("name")).sendKeys("Vipul");

sleep(1500);

driver.findElement(By.*name*("email")).sendKeys("vipulchinnawar4@gmail.com");

sleep(1500);

driver.findElement(By.*name*("password")).sendKeys("Vipul@67");

sleep(1500);

driver.findElement(By.*name*("phone")).sendKeys("8668394080");

sleep(1500);

//check box

driver.findElement(By.*xpath*("/html//form[@id='signup-form']//samp[@class='customcheckbox']")).click();

sleep(1500);

driver.findElement(By.*xpath*("//form[@id='signup-form']//button[@type='submit']")).click();

sleep(1500);

/\*String expectedURL = "https://accounts.lambdatest.com/email/verify";

String actualURL = driver.getCurrentUrl();

Assert.assertEquals(actualURL, expectedURL);

sleep(1500);

String expectedTitle = "Verify Your Email Address - LambdaTest";

String actualTitle = driver.getTitle();

Assert.assertEquals(actualTitle, expectedTitle);

sleep(1500);\*/

driver.quit();

}

@Test

**public** **void** loginTest() {

System.***out***.println("starting login test");

// create driver

System.*setProperty*("webdriver.chrome.driver", "E:\\selenium-java-3.5.0\\chromedriver.exe");

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

// WebDriver driver =

// new RemoteWebDriver(new URL("http://10.128.0.2:4444/wd/hub"),DesiredCapabilities.chrome());

//sleep for 3 seconds

sleep(3000);

//maximize browser window

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

String url = "https://the-internet.herokuapp.com/login";

//open test page

driver.get(url );

System.***out***.println("page is opened");

//sleep for 3 seconds

sleep(2000);

TakesScreenshot ts = (TakesScreenshot)driver;

File scr = ts.getScreenshotAs(OutputType.***FILE***);

**try** {

FileUtils.*copyFile*(scr, **new** File("E:\\selenium-java-3.5.0\\Screenshots\\positivetest.png"));

} **catch** (IOException e) {

System.***out***.println(e.getMessage());

}

//enter username

WebElement username = driver.findElement(By.*id*("username"));

username.sendKeys("tomsmith");

sleep(1500);

//enter password

WebElement password = driver.findElement(By.*name*("password"));

password.sendKeys("SuperSecretPassword!");

sleep(3000);

//click login button

WebElement loginButton = driver.findElement(By.*tagName*("button"));

loginButton.click();

sleep(5000);

//verifications

//new url

String expetedurl = "https://the-internet.herokuapp.com/secure";

// String expetedurl = "https://the-internet.herokuapp.com/secure-broken"; error

String actualUrl = driver.getCurrentUrl();

Assert.*assertEquals*(actualUrl, expetedurl,"Actual page url is not the same as expected");

//logout button is visible

WebElement logoutButton = driver.findElement(By.*xpath*("//a[@class='button secondary radius']"));

Assert.*assertTrue*(logoutButton.isDisplayed(), "LogOut Button is not visible");

;

//successful login message

//WebElement successMessage = driver.findElement(By.cssSelector("#flash"));

WebElement successMessage = driver.findElement(By.*xpath*("//div[@id='flash']"));

String expectedMessage = "You logged into a secure area!";

String actualMessage = successMessage.getText();

// Assert.assertEquals(actualMessage, expectedMessage, "Actual message is not the same as expected");

Assert.*assertTrue*(actualMessage.contains(expectedMessage),

"Actual message does not contain expected message.\n Actual Message :" +actualMessage+

"\nExpected Message:" +expectedMessage);

//close browser

driver.quit();

}

**private** **void** sleep(**long** m) {

**try** {

Thread.*sleep*(m);

} **catch** (InterruptedException e) {

e.printStackTrace();

}

}

}

//negative test

**package** com.selenium;

**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.firefox.FirefoxDriver;

**import** org.testng.Assert;

**import** org.testng.annotations.Test;

**public** **class** negativeTests {

@Test(priority = 1,groups = { "negativeTests", "smokeTests" })

**public** **void** incorrectUsernameTest() {

System.***out***.println("starting incorrect username test");

// create a driver

System.*setProperty*("webdriver.chrome.driver", "E:\\selenium-java-3.5.0\\chromedriver.exe");

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

// sleep for 3 seconds

sleep(3000);

// maximize browser window

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

// open test page

String url = "https://the-internet.herokuapp.com/login";

driver.get(url);

System.***out***.println("page is opened");

// enter username

WebElement username = driver.findElement(By.*id*("username"));

username.sendKeys("incorrectUsername");

// username.sendKeys("tomsmith");

sleep(1000);

// enter password

WebElement password = driver.findElement(By.*name*("password"));

password.sendKeys("SuperSecretPassword!");

sleep(3000);

// click login button

WebElement loginButton = driver.findElement(By.*tagName*("button"));

loginButton.click();

sleep(5000);

//verifications

WebElement errorMessage = driver.findElement(By.*id*("flash"));

String expectedErrorMessage= "Your username is invalid!";

String actualErrorMessage = errorMessage.getText();

Assert.*assertTrue*(actualErrorMessage.contains(expectedErrorMessage),"Actual error message does not contain expected."

+ "\nActual:" + actualErrorMessage + "\n Expected:" +expectedErrorMessage);

//close browser

driver.quit();

}

@Test(priority = 2 , groups = { "negativeTests" })

**public** **void** incorrectPasswordTest() {

System.***out***.println("starting incorrect password test");

// create a driver

System.*setProperty*("webdriver.chrome.driver", "E:\\selenium-java-3.5.0\\chromedriver.exe");

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

// sleep for 3 seconds

sleep(3000);

// maximize browser window

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

// open test page

String url = "https://the-internet.herokuapp.com/login";

driver.get(url);

System.***out***.println("page is opened");

// enter username

WebElement username = driver.findElement(By.*id*("username"));

username.sendKeys("tomsmith");

sleep(1000);

// enter password

WebElement password = driver.findElement(By.*name*("password"));

password.sendKeys("incorrectPassword");

sleep(3000);

// click login button

WebElement loginButton = driver.findElement(By.*tagName*("button"));

loginButton.click();

sleep(5000);

//verifications

WebElement errorMessage = driver.findElement(By.*id*("flash"));

String expectedErrorMessage= "Your password is invalid!";

String actualErrorMessage = errorMessage.getText();

Assert.*assertTrue*(actualErrorMessage.contains(expectedErrorMessage),"Actual error message does not contain expected."

+ "\nActual:" + actualErrorMessage + "\n Expected:" +expectedErrorMessage);

//close browser

driver.quit();

}

**private** **void** sleep(**long** m) {

**try** {

Thread.*sleep*(m);

} **catch** (InterruptedException e) {

e.printStackTrace();

}

}

}