

```

package com.tutorialsninja.qa.testcases;

import java.time.Duration;
import java.util.Date;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.Assert;
import org.testng.annotations.Test;

import com.tutorialsninja.qa.utils.Utilities;

public class login {

    @Test(priority=1)
    public void verifyloginWithValidCredential() {

        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));
        driver.manage().timeouts().pageLoadTimeout(Duration.ofSeconds(5));
        driver.get("https://tutorialsninja.com/demo/");
        driver.findElement(By.xpath("//span[text()='My Account']")).click();
        driver.findElement(By.linkText("Login")).click();
        driver.findElement(By.id("input-email")).sendKeys(Utilities.generateEmailWithTimeStamp());

        driver.findElement(By.id("input-password")).sendKeys("Boussad13");
        driver.findElement(By.xpath("//input[@value='Login']")).click();

        Assert.assertTrue(driver.findElement(By.linkText("Edit your account information")).isDisplayed());

        driver.quit();

    }

    @Test(priority=2)

    public void verifyloginWithInvalidCredential() {

        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));
        driver.manage().timeouts().pageLoadTimeout(Duration.ofSeconds(5));
        driver.get("https://tutorialsninja.com/demo/");
        driver.findElement(By.xpath("//span[text()='My Account']")).click();
        driver.findElement(By.linkText("Login")).click();
        driver.findElement(By.id("input-email")).sendKeys("gacem.boussad@gmail.com");
        driver.findElement(By.id("input-password")).sendKeys("12348755");
        driver.findElement(By.xpath("//input[@value='Login']")).click();

        String actualWarningMessage = driver.findElement(By.xpath("//div[contains(@class,'alert-dismissible')]")).getText();
        String expectedWarningMessage = "Warning:No match for E-Mail Address and /or Password.";
        Assert.assertTrue(actualWarningMessage.contains(expectedWarningMessage),"expected Warning Message is not displayed");

        driver.quit();

    }

    @Test(priority=3)
    public void verifyLoginWithInvalidEmailAndValidPassword() {
        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));
        driver.manage().timeouts().pageLoadTimeout(Duration.ofSeconds(5));
        driver.get("https://tutorialsninja.com/demo/");
        driver.findElement(By.xpath("//span[text()='My Account']")).click();
        driver.findElement(By.linkText("Login")).click();
        driver.findElement(By.id("input-email")).sendKeys("gacem.boussad@gmail.com ");
        driver.findElement(By.id("input-password")).sendKeys("Boussad13");
        driver.findElement(By.xpath("//input[@value='Login']")).click();
    }
}

```

```
String actualWarningMessage = driver.findElement(By.xpath("//div[contains(@class,'alert-dismissible')]))).getText();
String expectedWarningMessage = "Warning:No match for E-Mail Address and /or Passeword.";
Assert.assertTrue(actualWarningMessage.contains(expectedWarningMessage),"expected Warning Message is not displayed");
```

```
driver.quit();
}
@Test(priority=4)
public void verifyLoginWithValidEmailAndInvalidPassword1() {
```

```
WebDriver driver = new ChromeDriver();
driver.manage().window().maximize();
driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));
driver.manage().timeouts().pageLoadTimeout(Duration.ofSeconds(5));
driver.get("https://tutorialsninja.com/demo/");
driver.findElement(By.xpath("//span[text()='My Account']")).click();
driver.findElement(By.linkText("Login")).click();
driver.findElement(By.id("input-email")).sendKeys("gacem.boussad@gmail.com");
driver.findElement(By.id("input-password")).sendKeys("1234565");
driver.findElement(By.xpath("//input[@value='Login']")).click();
```

```
String actualWarningMessage = driver.findElement(By.xpath("//div[contains(@class,'alert-dismissible')]))).getText();
String expectedWarningMessage = "Warning:No match for E-Mail Address and /or Passeword.";
Assert.assertTrue(actualWarningMessage.contains(expectedWarningMessage),"expected Warning Message is not displayed");
```

```
driver.quit() ;
```

```
}
```

```
    @Test(priority=5)
    public void verifyLoginWithoutProvidingCredential() {
        WebDriver driver = new ChromeDriver();
driver.manage().window().maximize();
driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));
driver.manage().timeouts().pageLoadTimeout(Duration.ofSeconds(5));
driver.get("https://tutorialsninja.com/demo/");
driver.findElement(By.xpath("//span[text()='My Account']")).click();
driver.findElement(By.linkText("Login")).click();
driver.findElement(By.id("input-email")).sendKeys("");
driver.findElement(By.id("input-password")).sendKeys("");
driver.findElement(By.xpath("//input[@value='Login']")).click();
```

```
String actualWarningMessage = driver.findElement(By.xpath("//div[contains(@class,'alert-dismissible')]))).getText();
String expectedWarningMessage = "Warning:No match for E-Mail Address and /or Passeword.";
Assert.assertTrue(actualWarningMessage.contains(expectedWarningMessage),"expected Warning Message is not displayed");
```

```
driver.quit() ;
```

```
}
```

```
    public String generateEmailWithTimeStamp() {
```

```
        Date date = new Date();
String timestamp = date.toString().replace(" ", "_").replace(":", "");
return "boussadoc"+timestamp+"@gmail.com";
    }
```

```
}
```