

Automate web Application – Testng

LoginTesting.java

```
package com.login;

import org.testng.annotations.Test;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.BeforeMethod;

import static org.testng.Assert.assertEquals;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.edge.EdgeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.AfterMethod;

public class LoginTesting {

    WebDriver driver;

    WebElement emailId,password,submitButton,resetButton;

    @BeforeClass

    public void beforeClass() {

        System.setProperty("webdriver.edge.driver",
"F:\\edgedriver_win64\\msedgedriver.exe");

    }
```

```
@BeforeMethod

public void beforeMethod() {

    driver = new EdgeDriver();

    driver.get("http://127.0.0.1:5500/index.html");

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

    emailId = driver.findElement(By.id("email"));

    password = driver.findElement(By.id("password"));

    submitButton = driver.findElement(By.id("b1"));

    resetButton = driver.findElement(By.id("b2"));

}
```

```
@Test(priority = 1)

public void emailIdRequiredTest() {

    submitButton.click();

    Alert alert= driver.switchTo().alert();

    String result = alert.getText();

    assertEquals("Emailid is required", result);

    alert.dismiss();

}
```

```
@Test(priority = 2)

public void passwordRequiredTest() {

    emailId.sendKeys("raj@gmail.com");

    submitButton.click();

    Alert alert= driver.switchTo().alert();

    String result = alert.getText();

    assertEquals("Password is required", result);

    alert.dismiss();

}
```

```
@Test(priority = 3)
```

```
public void InvalidEmailIdAndPasswordTest() {  
    emailId.sendKeys("raj@gmail.com");  
    password.sendKeys("123");  
    submitButton.click();  
    Alert alert= driver.switchTo().alert();  
    String result = alert.getText();  
    assertEquals("failure try once again", result);  
    alert.dismiss();  
}
```

@Test(priority = 4)

```
public void IValidEmailIdAndPasswordTest() {  
    emailId.sendKeys("akash@gmail.com");  
    password.sendKeys("123");  
    submitButton.click();  
    Alert alert= driver.switchTo().alert();  
    String result = alert.getText();  
    assertEquals("Successfully login", result);  
    alert.dismiss();  
}
```

@AfterMethod

```
public void afterClass() {  
    driver.quit();  
}  
  
}
```

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <script type="text/JavaScript">
    function checkLoginDetails() {
      // return false;
      let email = document.getElementById("email").value;
      let password = document.getElementById("password").value;
      if(email.length==0){
        alert("Emailid is required")
        return false;
      }else if(password.length==0){
        alert("Password is required")
        return false;
      }else if(email=="akash@gmail.com" && password=="123"){
        alert("Successfully login")
        return true;
      }else {
        alert("failure try once again")
        return false;
      }
    }
  </script>
</head>
<body>
  <h2>Login Page</h2>
  <form action="home.html" onsubmit="return checkLoginDetails()">
    <label>EmailId</label>
    <input type="email" name="email" id="email"/><br/>
    <label>Password</label>
    <input type="password" name="password" id="password"/><br/>
    <input type="submit" value="submit" id="b1"/>
    <input type="reset" value="reset" id="b2"/>
  </form>
</body>
</html>
```

Home.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h2>Welcome to Home Page</h2>
</body>
</html>
```


Login Page

EmailId

Password

Login Page

EmailId

Password

127.0.0.1:5500 says

Successfully login

OK

Welcome to Home Page

<terminated> LoginTesting [TestNG] C:\Program Files\Java\jdk-20\bin\javaw.exe (08-Feb-2024, 10:03:21 pm - 10:03:40 pm) [pid: 19540]

[[RemoteTestNG] detected TestNG version 7.5.0

SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".

SLF4J: Defaulting to no-operation (NOP) logger implementation

SLF4J: See <http://www.slf4j.org/codes.html#StaticLoggerBinder> for further details.

Feb 08, 2024 10:03:26 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch

WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 119; Please update to a Selenium version that supports CDP version 121

Feb 08, 2024 10:03:30 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch

WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 119; Please update to a Selenium version that supports CDP version 121

Feb 08, 2024 10:03:34 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch

WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 119; Please update to a Selenium version that supports CDP version 121

Feb 08, 2024 10:03:37 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch

WARNING: Unable to find an exact match for CDP version 121, returning the closest version; found: 119; Please update to a Selenium version that supports CDP version 121

PASSED: passwordRequiredTest

PASSED: IValidEmailIdAndPasswordTest

PASSED: InValidEmailIdAndPasswordTest

PASSED: emailIdRequiredTest

=====
Default test

Tests run: 4, Failures: 0, Skips: 0
=====

=====
Default suite

Total tests run: 4, Passes: 4, Failures: 0, Skips: 0
=====