**https://softwareautomata.wordpress.com/2017/07/16/facebook-post-selenium-webdriver-with-maven-and-testng/**

[**Facebook Post – Selenium Webdriver with Maven and TestNG**](https://softwareautomata.wordpress.com/2017/07/16/facebook-post-selenium-webdriver-with-maven-and-testng/#post-364)

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**Helping newbies into automation world**

Quickly going to setup Selenium Webdriver to create Facebook post.

We are going to use Selenium + Maven + TestNG

**Maven Configuration**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11 | <dependency>              <groupId>org.testng</groupId>              <artifactId>testng</artifactId>              <version>6.10</version>              <scope>test</scope>          </dependency>          <dependency>              <groupId>org.seleniumhq.selenium</groupId>              <artifactId>selenium-java</artifactId>              <version>3.4.0</version>          </dependency> |

**BaseSetup.java**

Setup test base. Copy paste following code into BaseSetup.java class

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27 | package testsuite;    import org.openqa.selenium.WebDriver;  import org.openqa.selenium.chrome.ChromeDriver;  import org.openqa.selenium.chrome.ChromeOptions;  import org.openqa.selenium.support.ui.WebDriverWait;  import org.testng.annotations.AfterClass;  import org.testng.annotations.BeforeClass;    public class BaseSetup {      WebDriver driver;      WebDriverWait wait;        @BeforeClass      public void setup(){          ChromeOptions ops = new ChromeOptions();          ops.addArguments("--disable-notifications");          System.setProperty("webdriver.chrome.driver", "PathtoChromedriver/chromedriver.exe");          driver = new ChromeDriver(ops);          wait = new WebDriverWait(driver,50);      }        @AfterClass      public void teardown(){         driver.close();      }  } |

We have used **ops.addArguments(“–disable-notifications”)** to disable the facebook notification which asks user to enable Chrome Notifications for facebook.

**FacebookPostTest.java**

The actual class where we will be posting the status using selenium.

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21 | package testsuite;    import org.testng.annotations.Test;  import pages.FacebookHomePage;  import pages.FacebookLoginPage;    public class FacebookPostTest extends BaseSetup{      String userName = ""; //Enter your username for facebook      String password = ""; //Enter your password for facebook      FacebookLoginPage objLogin;      FacebookHomePage objHome;        @Test      public void FacebookPost(){          driver.get("https:\\www.facebook.com");          objLogin = new FacebookLoginPage(driver);          objHome = new FacebookHomePage(driver);          objLogin.login(userName, password);          objHome.postStatus("Hello World");      }  } |

This class inherits BaseSetup.java class.

**FacebookLoginPage.java – Page Object Factory for login page**

In this class we are going to use Page Object Factory to identify the elements of login page.

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33 | package pages;    import org.openqa.selenium.WebDriver;  import org.openqa.selenium.WebElement;  import org.openqa.selenium.support.FindBy;  import org.openqa.selenium.support.PageFactory;    public class FacebookLoginPage {      WebDriver driver;        public FacebookLoginPage(WebDriver driver){          this.driver = driver;          PageFactory.initElements(driver, this);      }        @FindBy(id = "email")      WebElement emailField;        @FindBy(id = "pass")      WebElement passwordField;        @FindBy(id = "loginbutton")      WebElement loginButton;        public void login(String username, String password){          emailField.sendKeys(username);          System.out.println("Entered Username: "+username);          passwordField.sendKeys(password);          System.out.println("Entered Password: "+password);          loginButton.click();          System.out.println("Clicked on Login button");      }  } |

We are going to enter username, password and then click on the login button on the page in **login** method.

**FacebookHomePage.java – Page Object Factory for home page**

In this class we are going to use Page Object Factory to identify the elements of home page needed for posting a status.

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27 | package pages;    import org.openqa.selenium.WebDriver;  import org.openqa.selenium.WebElement;  import org.openqa.selenium.support.FindBy;  import org.openqa.selenium.support.PageFactory;    public class FacebookHomePage {      WebDriver driver;        public FacebookHomePage(WebDriver driver){          this.driver = driver;          PageFactory.initElements(driver, this);      }        @FindBy(name = "xhpc\_message")      WebElement status;        @FindBy (xpath = "//button[contains(.,'Post')]")      WebElement postButton;        public void postStatus(String textStatus){          status.click();          status.sendKeys(textStatus);          postButton.click();      }  } |

**postStatus** method is made to posting the status. Status string is sent from out test class with.

Its necessary to click on the status field first else you’ll encounter element not visible exception.

And with this we are done. When FacebookPostTest.java class is executed, it’ll launch chrome browser, login with the provided credentials and post a status “Hello World”.

