Logo

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Software testing , validation and verification (CSE 338)

Lab Task 4

GUI Testing

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**WebForm class :**

* **It contains all addressing of elements in formy page needed for my test**
* **It contains dummy data entered in the elements**
* **It contains all functions called by the test case to enter first , last names and job type and click on radio button for level of education**
* **Contains function to press submit button**
* **Contains function to alert success of form when submitted successfully**

import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.support.FindBy;  
  
public class WebForm extends PageObject{  
  
 private final String FIRST\_NAME = "First Name";  
 private final String LAST\_NAME = "Last Name";  
 private final String JOB\_TITLE = "Computer Engineer";  
  
  
 @FindBy(id = "first-name")  
 private WebElement first\_name;  
  
 @FindBy(id = "last-name")  
 private WebElement last\_name;  
  
 @FindBy(id = "job-title")  
 private WebElement job\_title;  
  
 @FindBy(id = "radio-button-2")  
 private WebElement college;  
  
 @FindBy(xpath = "//a[contains(text(),'Submit')]")  
 private WebElement submit\_button;  
  
 @FindBy(xpath = "//div[contains(text(),'The form was successfully submitted!')]")  
 private WebElement alertSuccess;  
  
 public WebForm(WebDriver driver) {  
 super(driver);  
 }  
  
 public void enterFirstName(){  
 this.first\_name.sendKeys(FIRST\_NAME);  
 }  
  
 public void enterLastName(){  
 this.last\_name.sendKeys(LAST\_NAME);  
 }  
  
 public void chooseJob(){  
 this.job\_title.sendKeys(JOB\_TITLE);  
 }  
  
 public void levelEducation(){  
 this.college.click();  
 }  
  
  
 public void pressSubmitButton(){  
 this.submit\_button.click();  
 }  
  
 public void verifyAlertSuccess(){  
 this.alertSuccess.isDisplayed();  
 }  
}

Test Case values chosen by me is :

First name -> “First Name”

Last name -> “Last Name”

Job title -> “ Computer Engineer”

Level of education -> chosen to select college radio button

Test case Code:

import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.testng.annotations.AfterSuite;  
import org.testng.annotations.BeforeSuite;  
import org.testng.annotations.Test;  
  
import java.util.concurrent.TimeUnit;  
  
public class TestPlan {  
 private static final WebDriver *driver* = new ChromeDriver();  
  
 @BeforeSuite  
 public static void main(String[] args) {  
 // ChromeDriver location set up in Utils class  
 System.*setProperty*("webdriver.chrome.driver", Utils.*CHROME\_DRIVER\_LOCATION*);  
 }  
  
 @Test(testName = "Submit a WebForm")  
 public static void submitForm(){  
 *driver*.get(Utils.*BASE\_URL*);  
 WebForm webForm = new WebForm(*driver*);  
 webForm.enterFirstName();  
 webForm.enterLastName();  
 webForm.chooseJob();  
 webForm.levelEducation();  
 webForm.pressSubmitButton();  
 *driver*.manage().timeouts().implicitlyWait(10, TimeUnit.*SECONDS*);  
 webForm.verifyAlertSuccess();  
 }  
  
 @AfterSuite  
 public static void cleanUp(){  
 *driver*.manage().deleteAllCookies();  
 *driver*.close();  
 }  
}

When we run this test case a chrome page opens and you can catch a glimpse of the form while it is filling automatically then ending successfully

Graphical user interface, text, application

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Text

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