



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

