# Test Assignments

**Date:** 11/18/2020
**Deadline:** 11/22/2020 (Sunday)

**The test assignments are in order of importance.**

# Test Automation assignment details:

Your task is to create a Selenium WebDriver test application using JUnit5 and Maven. The test **suite** should contain 3 tests. The first and third tests should pass meanwhile the second test should fail. The tests should be able to run separately. If you have any questions feel free to ask.

Please follow the test steps from below:

### 1. Test
Go to google.com
Search for demoqa.com
Hit the first result which will navigate to demoqa.com
Navigate to the Droppable element in Interactions section
Pick and drop the "Drag me" box into the "Drop here" box, print out the text from the "Drop here" box and take a screenshot.
Click on the ToolTips link on the left hand side in the Widgets section.
Move your cursor to the "Hover me to see" button input element and print out the text from the pop-up tooltip.

### 2. Test
Go to google.com
Search for cheese
Use JUnit assertion to compare the number of results to 777.
The test should fail during the comparison with an assertion message "There is too much cheese on the internet".

### 3. Test
Go to https://orangehrm-demo-6x.orangehrmlive.com
Login with admin credentials (form is prefilled with the login data)
Wait for the dashboard page to load
Go to Recruitment page
Open the left side panel
Click on Candidates
Print out the number of candidates
Click on the green Add button
Fill the mandatory fields and vacancy. (Resume is also mandatory)
The candidate name should be QA Automation - <CurrentDate> (Please substitute the current date with the current date) Click Save
Use Junit Assert to check if the number of candidates is increased by 1.
Select the freshly created candidate

Click on the three dots in the left upper side of the table.
Delete the candidate
Use Junit assert to check if the number of candidates decreased by 1
Open the side menu
Click on the User icon
Click Logout

## Important:

Use Java naming conventions! The packages, functions, variables should be named properly.
Use the **Page Object** pattern! Details about it can be found on the selenium website.
http://code.google.com/p/selenium/wiki/PageObjects
You can use Firefox browser for a basic test run and please comment your code.
Use Maven for dependency management.
Publish your local git repo to any platform (preferably GitHub)
Please provide instructions for running the test cases.

Optional tasks for bonus points, this is the part where you can show off your skills:

- Use Chrome, Internet Explorer 11, Microsoft Edge and specify a way to make the browser changeable
- Tests should be able to run from any machine (there should be no local dependency)
- Add a logger framework and log the high level WebDriver actions, urls of pages when you arrive to a page
- Implement a generic screenshot creation module which will create a screenshot after each test failure
- Make the tests runnable via command line (browser type should be chosable via an argument)
- Setup jenkins for running tests (you can deploy it to somewhere)
- Use the functional aspects of Java where it is possible
- Utilize Selenium Grid hub - node architecture

What will you surely need:
1. Eclipse or IntelliJ
2. WebDriver
3. Patience

WebDriver setup instructions and tips can be found on their official site https://www.seleniumhq.org/docs/
And remember google is your friend.

# Manual Testing assignment details:

There are 3 tasks for manual testing, one is for exploratory testing, the other is for test case writing and one for suggestions.

**1. Task - exploratory testing**

Manual exploratory testing. Choose 2 sites from this list: http://www.007museum.com/, http://www.arngren.net/  http://www.gatesnfences.com/index.html, http://www.libertyvan.com/
**Important note: Do NOT submit any form from the pages**
For testing use the latest Chrome or the latest Firefox or the latest Internet Explorer - just clearly highlight in the report which browser was used.

How to report the issues:
- Report the issues in a Word document
- Report 1 issue per page – all issues in 1 Word document
- All reported issues should have a screenshot or a screencast(video)
- Make sure that the title describes the issue very accurately
- Used device/browser should be listed in the issue
- Steps to reproduce have to be clear and clean
- Language: English

Example:

## The right side of the checkout page is not displayed properly

**Used Device/Browser:**
- Chrome (Version 55.0.2883.87 (64-bit)) on Windows 10

**Steps to reproduce:**
- Open the XXXXXXXXXXXXXXX page
- Click on the Get button
- The checkout page will be displayed
- Check the right side of the page
- It is not displayed correctly
- Some images and links are missing

Screenshot:

Add here the screenshot of the issue - if the issue is complex record a video instead of a screenshot, upload it and add the link here (you can use recordit.co for screencast)

**2. Task - Test case writing**

Create test cases for the site: https://www.walmartcontacts.com/Lens/614

You need to create the test cases for this page only - add test cases for scenarios what you think it is important to test on this page.

The test cases should be created in an Excel sheet.

Language: English

Test case sample:

| Section | Description | Steps | Expected Result |
|---------|-------------|-------|-----------------|
| Main page | Check if the video is loading from the page or not | 1  - Open the page xxxxxxxx on Chrome browser<br>2  - Click on the play button<br>3  - Check if the video playback stated or not | The clicked video file should start playing in a popup |

**3. Task – Create Suggestions**

This task is about adding suggestions on an existing webpage/system to make it better and/or easier for use.

You have to check the page and have to add suggestions on how to change something on the site.

Describe well the change that you think will improve the users' experience.

Language: English

Use one of the following pages for this task **(Do NOT submit any form, do NOT login, do NOT sign up!**):

- https://www.dakotasilencer.com
- https://www.ffl123.com/
- https://www.trgroup.co.nz/

Example:

# Suggestion: Change the font color of the text to get better visibility

## Steps to reproduce:

- Open the XXXXXXXXXXXXXXX page
- Scroll down the page to section XXXX
- Check the layout
- The displayed text in the section is not readable
- Change the font color to a darker font to get better visibility and readability of the displayed text

## Screenshot:

Add here the screenshot of the issue