

# Test Assignments

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**Date:** 11/03/2017

**Deadline:** 11/06/2017 (Monday evening)

## Test Automation assignment details:

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

Please follow the test steps from below:

### 1. Test

Go to [google.com](https://www.google.com)

Search for [wedoqa.com](https://www.wedoqa.com)

Hit the first result which will navigate to [wedoqa.com](https://www.wedoqa.com)

Click through the upper menu (Home, What we offer, What sets us apart, Get an offer, Selenium, Resource, Who We are, Contact info)

In the "Who we are section" move the mouse cursor over somebody and read out the popup text and print it onto the console.

From the menu click on "Blog"

Create a screenshot

On the Blog page search for the word "test"

Read out the date of the last entry and calculate how much days have passed since then.

### 2. Test

Go to [google.com](https://www.google.com)

Search for cheese

Use JUnit assertion and 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://www.guerrillamail.com/>

Click on compose tab

Fill the email form with address, subject and text.

Send the email

Go to <https://mail.google.com/>

Login to gmail

Wait for the email to arrive

Click on the newly arrived email

Parse the contents of the mail

Compare the data from step 3 with the data in the email using JUnit assertions

**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.

Optional tasks for bonus points:

- Use Chrome, Internet Explorer 11, Microsoft Edge and specify a way to make the browser changeable
- Add a logger framework and log the WebDriver actions
- Implement a generic screenshot creation module which will create a screenshot after each test failure
- Build the project with Maven

What will you surely need:

1. Eclipse (or IntelliJ)
2. WebDriver
3. Guerilla mail: <https://www.guerrillamail.com/>
4. Google account
5. Patience

WebDriver setup instructions and tips can be found on our blog: <http://blog.wedoqa.com/>  
and on their official site <http://code.google.com/p/selenium/wiki/GettingStarted>

## Manual Testing assignment details:

There are 2 tasks for manual testing, one is for exploratory testing and the other is for test case writing.

### 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 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

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 XXXXXXXXXXXXXXXX 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 site - 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.

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: xxxxxxx on Chrome browser 2 - Click on the play button 3 - Check if the video playback stated or not	The clicked video file should start playing in a popup