# Lab: Selenium WebDriver Advanced

This document defines the homework assignments from the ["QA Automation" Course @ Software University](https://softuni.bg/trainings/1584/qa-automation-march-2017).

Please submit as homework a single zip / rar / 7z archive holding the source code or whatever approach is needed to finish your tasks

This homework add new features to your last homework, so feel free just to refactor you last homework. And of course you have to add some new tests.

## Data Driven Tests

**Refactor your registration form test,** by adding **excel file** from which you will **read all test data**.

All data for tests have to be stored in this file and **nothing to be hard-coded in tests**.

## Implement Environment Configuration

Add **App.config** and **Environment.config** files to your project, so if in the future **test environment or data sources** change, you will need to change paths only in these files. Main reason for these change is to be prepared for **future grown on your project.**

## Interaction Tests

Like you see in DemoQA have another sections than registration form. Your task is to write some test for every page in **interaction sections**. Be creative and prepare some automate test in these section. There is just one condition, number of tests you will have. **Minimum number** of test for each page in interaction section:

* **Draggable - 5 tests**
* **Droppable - 5 tests**
* **Resizable - 3 tests**
* **Selectable - 3 tests**
* **Sortable - 3 tests**

## Screenshots

At the end you have to organize your project, so if any **test fail**, driver have to take **screenshot to your browser**.   
Only condition here is **screenshots names** to be like **failed test names**.

## Logs\*\*

**This task is bonus**, so if you think that it will be hard for you, just **skip it**. After that when you **check your colleague's homework** and see that this task is solved, please don’t forget to give him some **bonus points**.

For business automation project you will need **much better logger**. Something that log everything about your tests, **step by step**. So when you check for problems in tests, just to **look in logs** and understand **fast and clear** where the problem is. Online have many different **logging frameworks**, but **most used** and may be easiest to implement is <http://logging.apache.org/log4net/>.