# Lab: Selenium Design Patterns

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

# Implement Design Patterns

This homework will be focus on your negative tests about registration in DemoQA. Every task will focus only on these tests, so you can forget for now all other tests, which you write in last homework.

## Page Object Model (POM)

Choose **build-in POM** or custom one, which was shown in lecture.Refactor your last homework tests, by implementing **POM**. Each page in your project must have three elements:

* **Basic Page class**
* **Page Map class**
* **Page Asserter class**

If you want try to implement POM which don’t allow you to reach map and Asserter in test class.

## AAA Testing Pattern

Like you learn from lecture **AAA testing pattern is best practice** in testing.

Refactor your tests, so all of them follow **AAA testing pattern**.

## Models

Add another class which will be your **model for registration user**, so you can easy read your test data.

Add fields and properties for all necessary data for registration.

## Full test registration form

Add more tests about registration form in your project. Try to reach full **negative** **tests** **coverage** in your test scenarios. At the end you have to have at least 20 tests.

Now think, how to refactor your tests, by changing asserts in tests, so you can reduce number of tests.

## Add Databind\*\*

If you are want to learn new things before, we see them in class try to add data bind your test data from **Excel tables.**

**This task is optional**, so you can just wait for next lecture. Remember this when you check your colleagues homework.