**Selenium Webdriver Basics, hometask #1.**

**Automate a test scenario for system under test (SUT) for ONE option from the list below using WebDriver + Java + TestNG OR WebDriver + C# + NUnit:**

1. **Preferable, more productive for mentee:** Web application being tested during your project activities.
2. **If option #1 can’t be implemented by you due to any technical/project security reasons** Public mail service (Mail.ru, Yandex.ru, Gmail.com and etc.) according the test flow below:

**Precondition:** create an account for any mail services mentioned above.

**Test scenario/flow:**

* Login to the mail box.
* Assert, that the login is successful.
* Create a new mail (fill addressee, subject and body fields).
* Save the mail as a draft.
* Verify, that the mail presents in ‘Drafts’ folder.
* Verify the draft content (addressee, subject and body – should be the same as in 3).
* Send the mail.
* Verify, that the mail disappeared from ‘Drafts’ folder.
* Verify, that the mail is in ‘Sent’ folder.
* Log off.

1. **If option #2 can’t be implemented by you due to any technical/project security reasons.** Select any other public website and perform the task similar to the mailbox test scenario from option #2. Ask your mentor for approval and agreement regarding the test scenario.

**Please consider the following general points:**

* Add Selenium and xUnit libs as dependencies via relevant build tool (Maven/MSBuild and similar)
* use WebDriver API as much as possible (browser navigation, clicks, switchTo and etc.)
* experiment with waits (implicit and explicit)
* please avoid using auto-generated locators
* try to use several locator strategies i.e. different types of locators (and select the most suitable in your case).
* Try to use RegEx
* use TestNg annotations @Test, @BeforeClass, @AfterClass and Assert class to make your scenario TestNg-like test (please refer to demo).

**NOTE: you may use xpath checker, firebug or other plugins to verify the locators, but please avoid using auto-generated locators like “//div[1]/div/div[1]/a/img[2]”**

**Bonus task**

Install Firefox, Selenium IDE, create a script that will:

* Open Google search
* Search for ‘Banana song’
* Find a youtube link (‘href’ contains ‘youtube.com’) with ‘Despicable Me’ in the text, follow this link
* Assert that we are on youtube site (page title)
* Assert that video was watched more than 50 million times (regex will help you)

(Be careful, Russian and English localizations have different format of ‘viewed’ number, the script should work whatever)

Save the script as “banana.html” to your homework directory.