

### 3. First Cucumber Scripts (BDD Style)

#### Pre-condition

- Create a maven-project
- Firefox 46.01 (Selenium 2)

#### Steps

- Add libs into pom.xml : Add dependency for Selenium, Add dependency for Cucumber-Java, Add dependency for Cucumber-JUnit, Add dependency for JUnit ...

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>cucumber</groupId>
  <artifactId>cucumber</artifactId>
  <version>1.0-SNAPSHOT</version>
  <dependencies>
    <dependency>
      <groupId>org.seleniumhq.selenium</groupId>
      <artifactId>selenium-java</artifactId>
      <version>2.53.0</version>
    </dependency>
    <dependency>
      <groupId>org.seleniumhq.selenium</groupId>
      <artifactId>selenium-firefox-driver</artifactId>
      <version>2.53.1</version>
    </dependency>

    <dependency>
      <groupId>info.cukes</groupId>
      <artifactId>cucumber-java</artifactId>
      <version>1.2.0</version>
    </dependency>
    <dependency>
      <groupId>info.cukes</groupId>
      <artifactId>cucumber-testng</artifactId>
      <version>1.2.0</version>
    </dependency>
    <dependency>
      <groupId>info.cukes</groupId>
      <artifactId>cucumber-junit</artifactId>
      <version>1.2.0</version>
    </dependency>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
```

```
        <version>4.11</version>
    </dependency>
    <dependency>
        <groupId>log4j</groupId>
        <artifactId>log4j</artifactId>
        <version>1.2.17</version>
    </dependency>
</dependencies>
<dependencyManagement>
    <dependencies>
        <dependency>
            <groupId>com.opera</groupId>
            <artifactId>operadriver</artifactId>
            <version>1.1</version>
            <exclusions>
                <exclusion>
                    <groupId>org.seleniumhq.selenium</groupId>
                    <artifactId>selenium-remote-driver</artifactId>
                </exclusion>
            </exclusions>
        </dependency>
    </dependencies>
</dependencyManagement>
```

</project>

- Create package resources scr/test/resources
- Create a feature file

# Created by nguyenthihongthuy at 10/08/17

Feature:

Registration Functionality Feature

In order to have an account,

I want to create an account to be logged in the website

Scenario Outline: Register an account successfully

Given user navigates to <website>

When user register in using Name as <name>, Phone as <phone>, Email as <email>, Country as <country>, City as <city>, Username as <username>, Password as <password>

Then user submit information

And Welcome page should be displayed

Examples:

website	name
phone   email   country   city	
username   password	
http://way2automation.com/way2auto_jquery/index.php   Thuy Nguyen	
084905752786   thuy.nguyen@axonactive.vn   Viet Nam   Da Nang	
tixiuthu   123456	
http://way2automation.com/way2auto_jquery/index.php   Harry	
084905112233   thuy.nguyen1@axonactive.vn   Viet Nam   Da Nang	
tixiuthu1   123456	
http://way2automation.com/way2auto_jquery/index.php   Jerry	
084905112131   thuy.nguyen2@axonactive.vn   Viet Nam   Da Nang	
tixiuthu2   123456	

- Create a step definition file.

```

package stepsdefinition;

import cucumber.api.java.en.And;
import cucumber.api.java.en.Given;
import cucumber.api.java.en.Then;
import cucumber.api.java.en.When;

/**
 * Created by nguyenthithongthuy on 10/08/17.
 */
public class RegisterDefinition {

    @Given("^user navigates to (.+)$")
    public void user_navigates_to(String website) throws Throwable {

    }

    @When("^user register in using Name as (.+), Phone as (.+), Email as (.+), Country as (.+), City as (.+), Username as (.+), Password as (.+)$")
    public void
user_register_in_using_name_as_phone_as_email_as_country_as_city_as_user
name_as_password_as(String name, String phone, String email, String
country, String city, String username, String password) throws Throwable
{

    }

    @Then("^user submit information$")
    public void user_submit_information() throws Throwable {

    }

    @And("^Welcome page should be displayed$")
    public void welcome_page_should_be_displayed() throws Throwable {

    }

}

```

- Create a runner class file.

```
package stepsdefinition;

/**
 * Created by nguyenthihongthuy on 10/08/17.
 */

import cucumber.api.CucumberOptions;
import cucumber.api.junit.Cucumber;
import org.junit.runner.RunWith;

@RunWith(Cucumber.class)
@CucumberOptions(
    features = "src/test/resources/",
    plugin = {"pretty", "html:target/cucumber-html-report"},
    tags = {}
)
public class RunCukesTest {
}
```

- Create SetUp.java file and modify RegisterDefinition.java to open website

```

package stepsdefinition;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

import java.net.MalformedURLException;

/**
 * Created by nguyenthongthuy on 10/08/17.
 */
public class SetUp {

    public static WebDriver driver;

    /**
     * Delete all cookies at the start of each scenario to avoid
     * shared state between tests
     */

    public WebDriver setupDriver() throws MalformedURLException {
        if (driver == null) {
            driver = new FirefoxDriver();
            driver.manage().deleteAllCookies();
            driver.manage().window().maximize();
        }
        return driver;
    }

    public void exitDriver() {
        driver.quit();
        System.exit(1);
    }

}

```

```

package stepsdefinition;

import cucumber.api.java.en.And;
import cucumber.api.java.en.Given;
import cucumber.api.java.en.Then;
import cucumber.api.java.en.When;

/**
 * Created by nguyenthithongthuy on 10/08/17.
 */
public class RegisterDefinition {

    @Given("^user navigates to (.+)$")
    public void user_navigates_to(String website) throws Throwable {
        Setup setup = new Setup();
        setup.setupDriver();
        Setup.driver.get(website);
    }

    @When("^user register in using Name as (.+), Phone as (.+), Email as (.+), Country as (.+), City as (.+), Username as (.+), Password as (.+)$")
    public void
user_register_in_using_name_as_phone_as_email_as_country_as_city_as_user
name_as_password_as(String name, String phone, String email, String
country, String city, String username, String password) throws Throwable
{

    }

    @Then("^user submit information$")
    public void user_submit_information() throws Throwable {

    }

    @And("^Welcome page should be displayed$")
    public void welcome_page_should_be_displayed() throws Throwable {

    }

}

```

- Run project in IntelliJ

