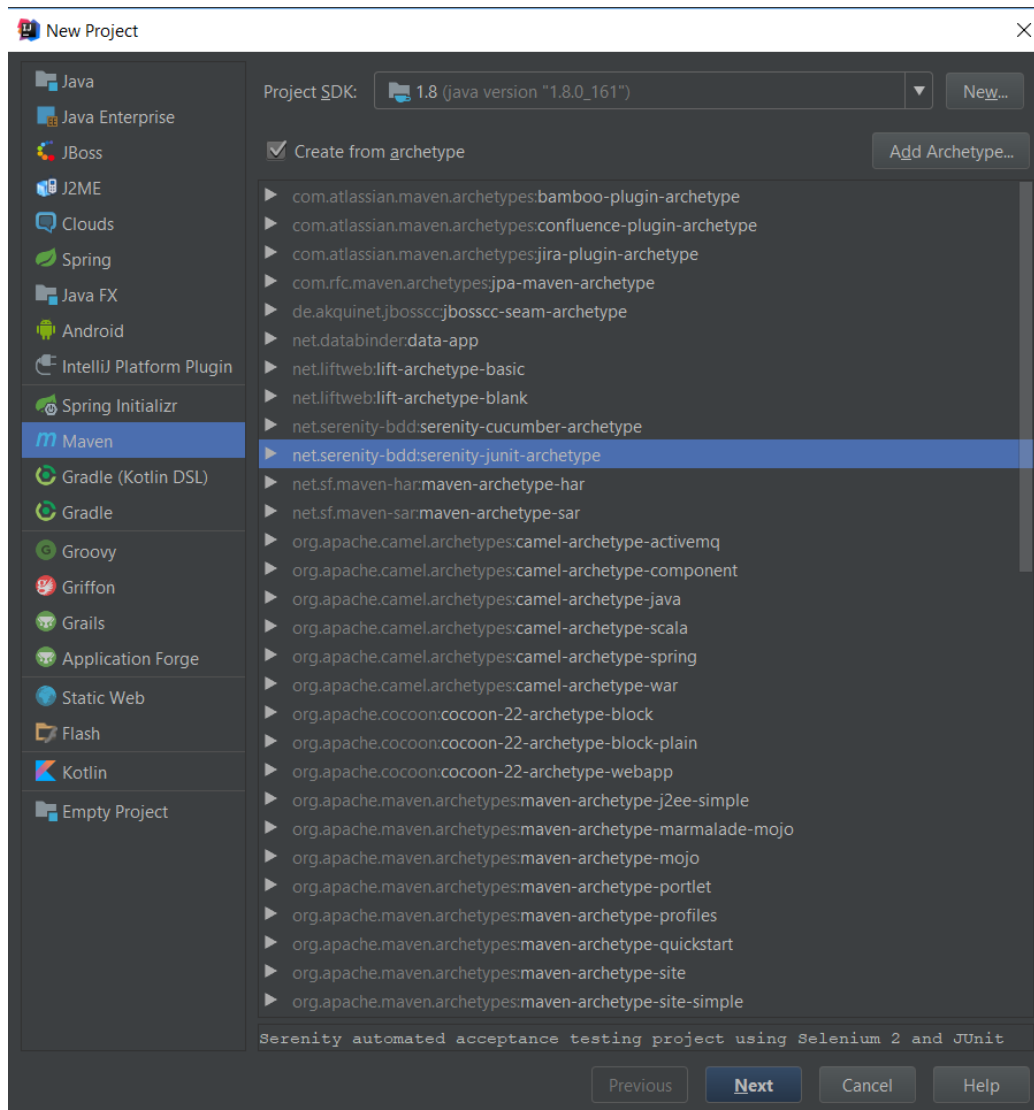


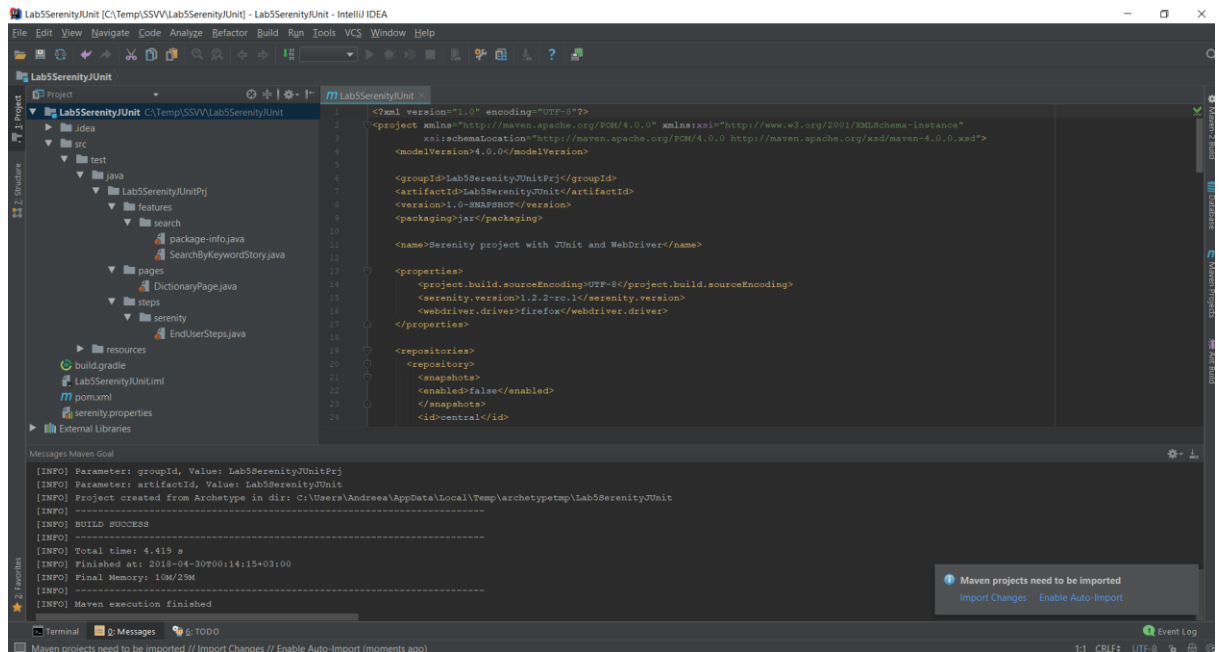
Tutorial Web UI Automation serenity-junit-archetype Serenity + JUnit

1. Create Maven Project (serenity-junit-archetype)

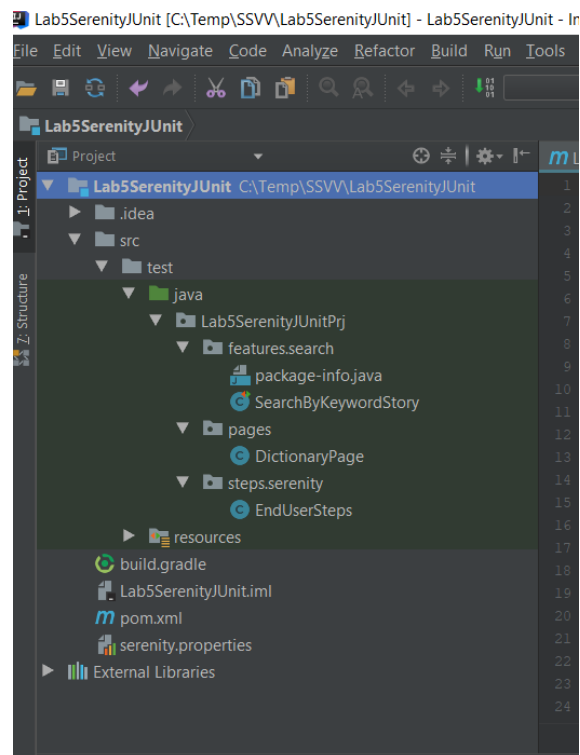
- IntelliJ → File → New → Project → Maven
 - Create from archetype: **serenity-junit-archetype**
 - **Add Archetype:**
 - **GroupId:** net.serenity-bdd
 - **ArtefactId:** serenity-junit-archetype
 - **Version:** 2.3.2
 - **Repository:** <https://mvnrepository.com/artifact/net.serenity-bdd/serenity-junit-archetype>



- After creating the project, check “Enable Auto-Import”

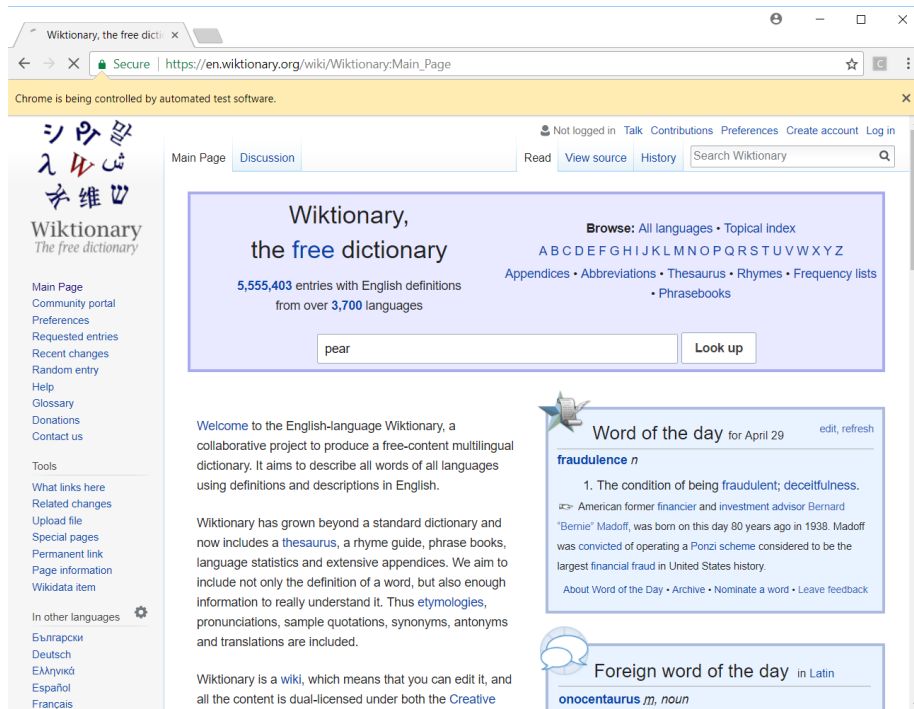


- The Maven project will have the following structure



2. Run as JUnit test

- In ProjectExplorer- Right-click on a TestCase (e.g. **SearchByKeywordStory**) and select Run
- The Chrome browser is opened (**change in serenity.properties, the headless.mode=false**) and the definitions for "pear" and "apple" are searched.

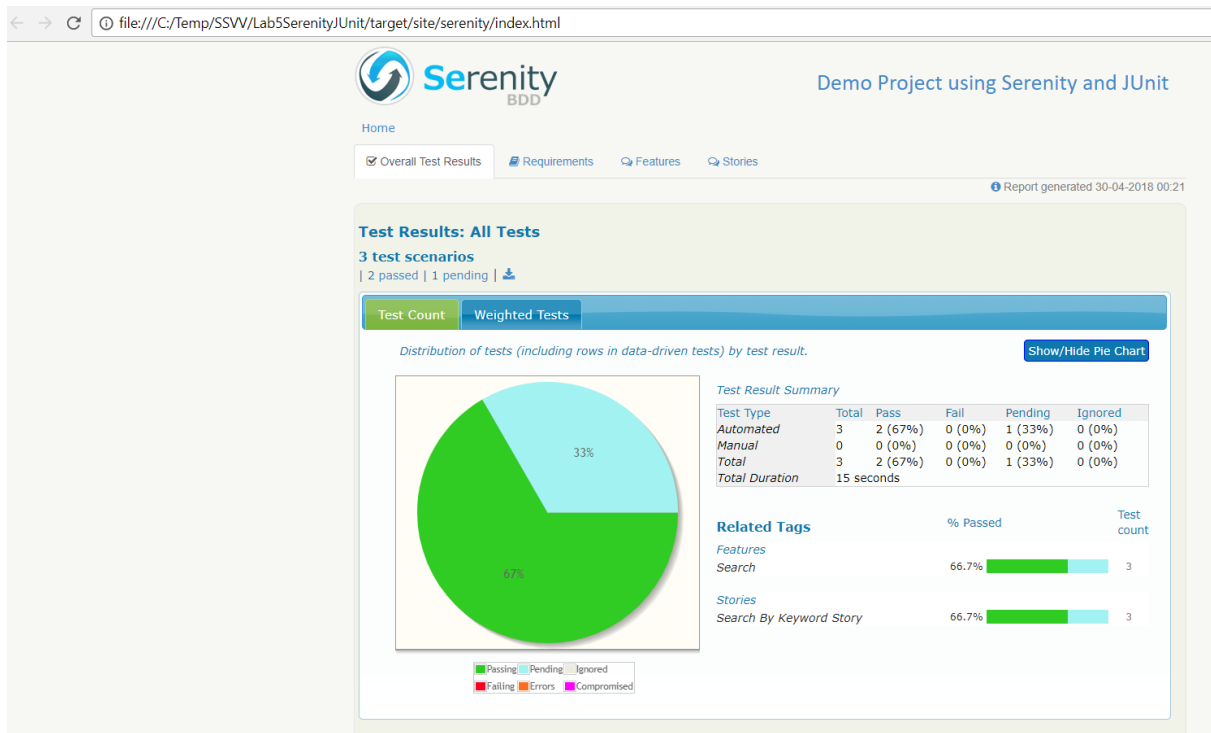


3. Obtaining the documentation for the executed test cases

- **IntelliJ → View → Tool Windows → Maven Projects**
- Select *Lifecycle* → the "verify" option
- the generated report will be saved in the project folder in \target\ site\serenity;

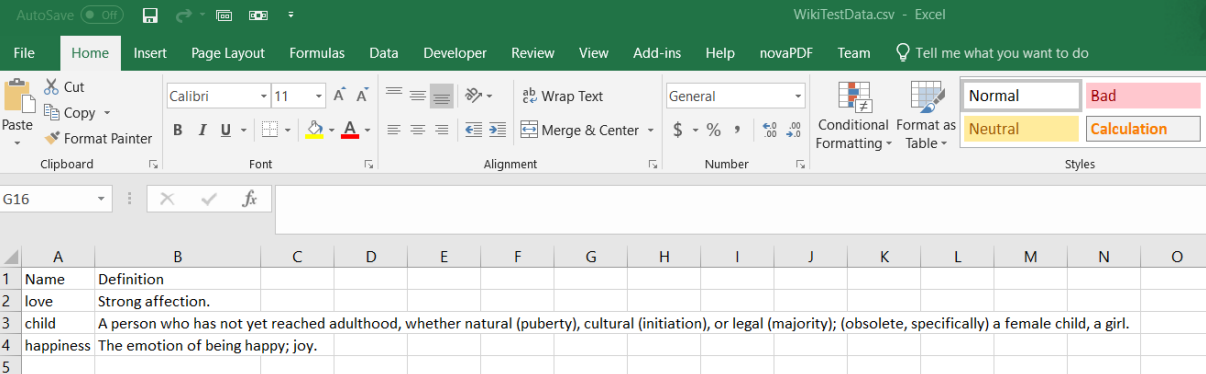
4. Viewing the Serenity report

- in the project directory ...\\target\\site\\serenity\\index.html



5. Test Data Driven - data for test from csv file

- create the csv file *WikiTestData.csv* with the content:
 - first line indicate the structure of the table with input data
- next lines contain input data for individual test cases.



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Name	Definition													
2	love	Strong affection.													
3	child	A person who has not yet reached adulthood, whether natural (puberty), cultural (initiation), or legal (majority); (obsolete, specifically) a female child, a girl.													
4	happiness	The emotion of being happy; joy.													
5															

- add the csv file to the src/test/resources directory
- add a new class to run with Ddt with Parameterized Runner (see the class below)
- run (see Section 3 of the current document)
- obtaining documentation (see Section 4 of the current document)
- view the serenity report (see Section 5 of the current document)

```
package WikiExampleGroup.features.search;

import net.serenitybdd.junit.runners.SerenityParameterizedRunner;
import net.thucydides.core.annotations.Issue;
import net.thucydides.core.annotations.Managed;
import net.thucydides.core.annotations.ManagedPages;
import net.thucydides.core.annotations.Steps;
import net.thucydides.core.pages.Pages;
import net.thucydides.junit.annotations.Qualifier;
import net.thucydides.junit.annotations.UseTestDataFrom;

import org.junit.Test;
import org.junit.runner.RunWith;
import org.openqa.selenium.WebDriver;

import Lab5SerenityJUnitPrj.steps.serenity.EndUserSteps;

@RunWith(SerenityParameterizedRunner.class)
@UseTestDataFrom("src/test/resources/WikiTestData.csv")
public class SearchByKeywordStoryDdt {

    @Managed(uniqueSession = true)
    public WebDriver webdriver;

    @ManagedPages(defaultUrl = "http://en.wiktionary.org/wiki/Wiktionary")
    public Pages pages;

    public String name;
    public String definition;

    @Qualifier
    public String getQualifier() {
        return name;
    }

    @Steps
    public EndUserSteps endUser;
```

```
@Issue("#WIKI-1")
@Test
public void searchWikiByKeywordTestDDT() {
    endUser.is_the_home_page();
    endUser.looks_for(getName());
    endUser.should_see_definition(getDefinition());
}

public String getName() {
    return name;
}

public void setName(String name) {
    this.name = name;
}

public String getDefinition() {
    return definition;
}

public void setDefinition(String definition) {
    this.definition = definition;
}
}
```

Test case class that is parametrized using a csv file