

12. Java_QA (Selenide)

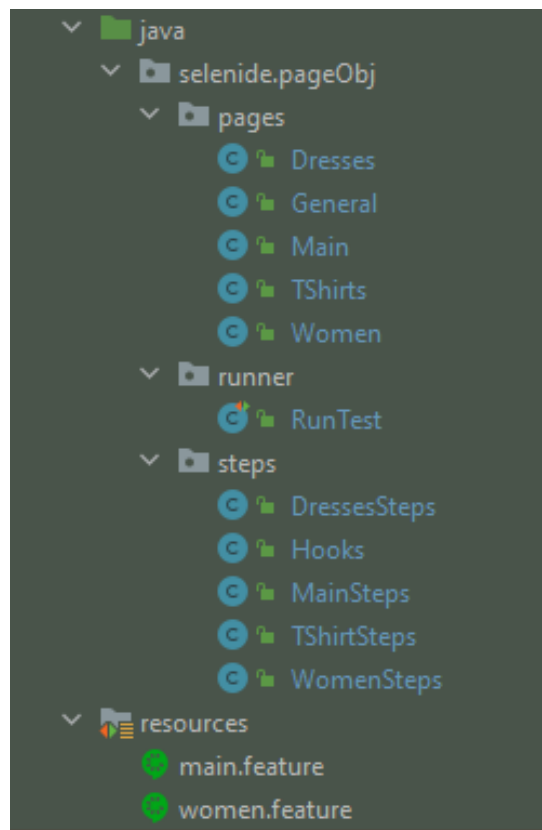
- Построение тестового фреймворка с использованием библиотеки Selenide

Сценарий: тестирование магазина одежды

Добавление зависимостей Pom.xml:

```
<dependency>
  <groupId>com.codeborne</groupId>
  <artifactId>selenide</artifactId>
  <version>5.13.1</version>
</dependency>
```

Структура проекта (модель Page Object, Cucumber):



page:

class Main: (главная страница магазина с адресом)

```
public class Main {
  public void open() {
    Selenide.open("http://automationpractice.com");
  }
}
```

class General: (содержит метод выбора элемента)

```
public class General {  
  
    public General openTab(String tabName) {  
        element(By.linkText(tabName)).click();  
        return this;  
    }  
}
```

class Dresses: (категория с платьями, содержит адрес, и метод проверки shouldHave() библиотеки Selenide)

```
public Dresses open() {  
  
    Selenide.open("http://automationpractice.com/index.php?id_category=8&controller=category");  
    return this;  
}  
  
public void iAmOnDressesPage() {  
  
    element(By.xpath("//h2[@class='title_block']")).shouldHave(text("DRESSES"));  
}
```

class Women: (категория женской одежды)

```
public class Women {  
    public Women open() {  
  
        Selenide.open("http://automationpractice.com/index.php?id_category=3&controller=category");  
        return this;  
    }  
  
    public void iAmOnWomenPage() {  
  
        element(By.xpath("//h2[@class='title_block']")).shouldHave(text("WOMEN"));  
    }  
  
    public void subCategories() {  
  
        elements(By.xpath("//div[@id='subcategories']/ul/li")).shouldHave(exactTexts("TOPS", "DRESSES"));  
    }  
}
```

class Tshirts: (категория футболок)

```
public class TShirts {  
  
    public TShirts open() {  
        Selenide.open("http://automationpractice.com/index.php?id_category=5&controller=category");  
        return this;  
    }  
  
    public void iAmOnTShirtsPage() {  
        element(By.className("category-name")).shouldHave(text("T-shirts"));  
    }  
}
```

Описание сценариев main.feature:

```
Feature: I want to make some actions on main page

Scenario: Open Women Page
  Given I am on main page
  When I click "Women" tab
  Then I am on women page

Scenario: Open Dresses Page
  Given I am on main page
  When I click "DRESSES" tab
  Then I am on dresses page

Scenario: Open T-shirts Page
  Given I am on main page
  When I click "T-SHIRTS" tab
  Then I am on t-shirts page
```

Описание сценариев women.feature:

```
Feature: I want to make some actions on Women page

Scenario: Open women and check subcategories
  When I open women page
  Then I see two subcategories
```

steps: (связывание сценариев с методами)

class Hooks: (конфигурация браузера)

```
public class Hooks {
    @Before
    public void start() {
        Configuration.startMaximized = true;

        // Just to show some configuration examples
        // Configuration.timeout = 5000;
        // Configuration.headless = true;
        // Configuration.baseUrl = "www.example.com";
        // Configuration.browser = "firefox";
        // Configuration.downloadsFolder = "src/test/resources/download";
    }
}
```

class Main:

```
public class MainSteps {
    Main main = new Main();
    General general = new General();

    @Given("I am on main page")
    public void iAmOnMainPage() {
        main.open();
    }

    @When("I click {string} tab")
    public void iClickTab(String tabName) {
```

```
        general.openTab(tabName);  
    }
```

class DressesSteps:

```
public class DressesSteps {  
    Dresses dresses = new Dresses();  
  
    @Then("I am on dresses page")  
    public void iAmOnDressesPage() {  
        dresses.iAmOnDressesPage();  
    }  
}
```

class TshirtsSteps:

```
public class TShirtSteps {  
    TShirts tShirts = new TShirts();  
  
    @Then("I am on t-shirts page")  
    public void iAmOnTShirtsPage() {  
        tShirts.iAmOnTShirtsPage();  
    }  
}
```

class WomenSteps:

```
public class WomenSteps {  
    Women women = new Women();  
  
    @Then("I am on women page")  
    public void iAmOnWomenPage() {  
        women.iAmOnWomenPage();  
    }  
  
    @Given("I open women page")  
    public void iOpenWomenPage() {  
        women.open();  
    }  
  
    @Then("I see two subcategories")  
    public void iSeeTwoSubcategories() {  
        women.subCategories();  
    }  
}
```

class RunTest: (запуск сценариев)

```
@RunWith(Cucumber.class)  
@CucumberOptions(features = {"src/test/resources"},  
    glue = {"selenide/pageObj/steps"}, plugin = {"pretty"})  
public class RunTest {  
}
```

Результат:

✓	selenide.pageObj.runner.RunT	30 s 846 ms
✓	I want to make some action	28 s 314 ms
✓	Open Women Page	18 s 665 ms
✓	Open Dresses Page	5 s 158 ms
✓	Open T-shirts Page	4 s 491 ms
✓	I want to make some action	2 s 532 ms
✓	Open women and check	2 s 532 ms