

9. Java_QA (Allure reports)

- Создание отчётов средствами Allure
- Структура отчётов

Pom.xml : (добавление зависимости Allure, и конфигурация плагина)

```
<build>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-surefire-plugin</artifactId>
      <version>2.22.2</version>
      <configuration>
        <useSystemClassLoader>>false</useSystemClassLoader>
        <argLine>
          -
          javaagent:"${settings.localRepository}/org/aspectj/aspectjweaver/1.8.10/aspectjweaver-1.8.10.jar"
        </argLine>
        <properties>
          <property>
            <name>listener</name>
            <value>io.gameta.allure.junit5.AllureJUnit5</value>
          </property>
        </properties>
        <systemProperties>
          <property>
            <name>allure.results.directory</name>
            <value>${project.build.directory}/allure-
results</value>
          </property>
        </systemProperties>
      </configuration>
    </plugin>
    <plugin>
      <groupId>io.gameta.allure</groupId>
      <artifactId>allure-maven</artifactId>
      <version>2.10.0</version>
    </plugin>
  </plugins>
</build>

<dependencies>
  <dependency>
    <artifactId>allure-junit5</artifactId>
    <version>2.13.1</version>
    <scope>test</scope>
  </dependency>
</dependencies>
```

Сценарий тестирования: авторизация на сайте с корректными и некорректными данными

Структура тестового класса SimpleCase:

Аннотация @Step – описание шагов

```
@Step(value = "Fill in login with {0}")    // {0} - считывает значение Login
----> 1,2,3.....
public void fillInLogin(String login) {
    driver.findElement(By.id("LoginForm__username")).sendKeys(login);
}

@Step(value = "Fill in password with {0}")
public void fillInPassword(String password) {
    driver.findElement(By.id("LoginForm__password")).sendKeys(password);
}

@Step(value = "Click button Login")
public void loginButtonClick() {
    driver.findElement(By.id("LoginForm_save")).click();
}

@Step(value = "Choose task 6 on main page")
public void chooseTaskSix() throws InterruptedException {
    driver.findElement(By.linkText("Zadanie 6")).click();
    Thread.sleep(1500);
}

@Step(value = "Login was successful")
public void isLoginSuccessful() {
    assertTrue(driver.findElement(By.linkText("Pobierz
plik")).isDisplayed());
}

@Step(value = "Login was unsuccessful")
public void isLoginUnsuccessful() {
    assertTrue(driver.findElements(By.linkText("Pobierz plik")).isEmpty());
}
```

Задание структуры отчёта, блок скриншота, название, описание и подробная характеристика, критерий важности:

```
@Attachment(value = "Failed test screenshot")
public byte[] attachScreenshot() {
    return ((TakesScreenshot) driver).getScreenshotAs(OutputType.BYTES);
}

@Epic("TESTING FOR https://testingcup.pgs-soft.com/ tasks")
@Feature(value = "Tests for task 6")
@Severity(SeverityLevel.MINOR)
@Description("In this test we will login with correct credentials. When we
logged we see link for file.")
@Story(value = "Test for login with correct credentials")
```

Тестовый метод авторизации с корректными данными:

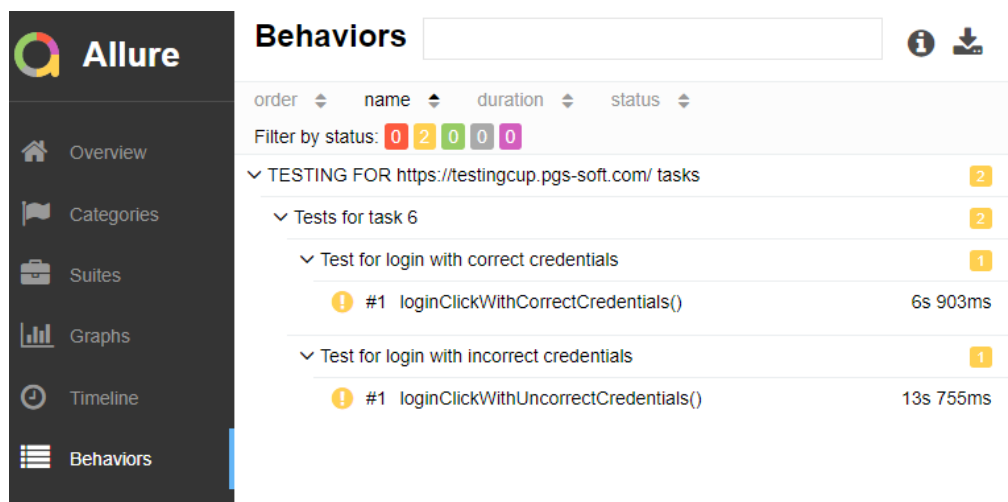
```
@Test
public void loginClickWithCorrectCredentials() throws InterruptedException {
    chooseTaskSix();
    fillInLogin("tester");
    fillInPassword("123-xyz");
    loginButtonClick();
    attachScreenshot();
    isLoginSuccessful();
}
```

Аналогично для некорректной авторизации:

```
@Test
public void loginClickWithUncorrectCredentials() throws InterruptedException
{
    chooseTaskSix();
    fillInLogin("tester");
    fillInPassword("12345");
    loginButtonClick();
    isLoginUnsuccessful();
}
```

Запуск кейса и генерация отчёта командой “mvn allure:serve”

Готовый отчёт:



The screenshot displays the Allure Behaviors report. The left sidebar contains navigation links: Overview, Categories, Suites, Graphs, Timeline, and Behaviors. The main content area shows a table of test behaviors. The table has columns for order, name, duration, and status. The status column uses colored icons to represent different outcomes: red for failed, yellow for passed, green for skipped, and purple for not executed. The table shows a hierarchy of test results, starting with 'TESTING FOR https://testingcup.pgs-soft.com/ tasks' (2 passed), followed by 'Tests for task 6' (2 passed), and then two specific test cases: 'Test for login with correct credentials' (1 passed, 6s 903ms) and 'Test for login with incorrect credentials' (1 passed, 13s 755ms). The test case for incorrect credentials is highlighted with a yellow icon, indicating it was the focus of the test run.

order	name	duration	status
Filter by status: 0 2 0 0 0			
✓	TESTING FOR https://testingcup.pgs-soft.com/ tasks		2
✓	Tests for task 6		2
✓	Test for login with correct credentials		1
!	#1 loginClickWithCorrectCredentials()	6s 903ms	
✓	Test for login with incorrect credentials		1
!	#1 loginClickWithUncorrectCredentials()	13s 755ms	