

QA Pro Final Project

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QA Automation Tester

Java Postman Selenium Selenide Playwright Cucumber
Jira Jenkins Allure MySQL MongoDB



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NOCODE UNIVERSITY

A Student Portal is a centralized platform designed to help students manage their academic lives.

Project plan

1) Testing the first version of the site:

- overview the features and the system
- create mind map, test plan, manual test cases, bug reports
- automate some of the created manual test cases
- create a link to the documentation on Google Drive and automated tests code on GitHub

2) Testing the second version of the site:

- verify that the issues found are actually fixed
- create a list of verified issues

Implementation

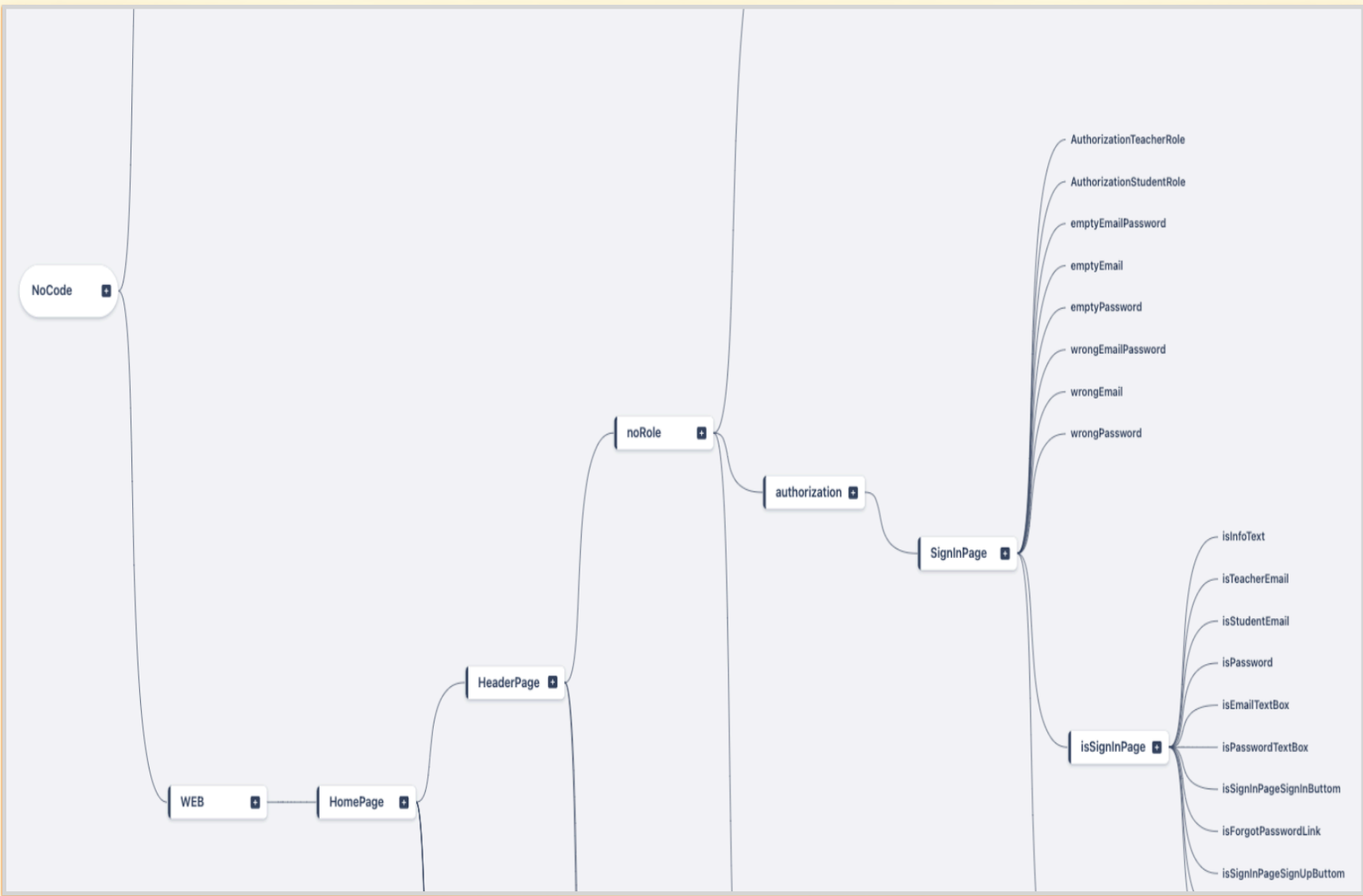
- programming language - Java
- frameworks - Selenide, TestNG, Rest-Assured, Lombok, Allure
- development tools - IntelliJ IDEA, Postman, Qase

Mind map

Test plan

Test cases

Bug reports



IEEE 829 Test Plan Template

Test Plan Identifier

PR-1.1

Introduction

Тестируем версию 1.4.1
Браузеры: Chrome/Safari/Firefox
Тестирование будет осуществляться методом черного ящика

Test Items

Версия приложения 1.4.1

Раздел авторизации

- Форма авторизации
- Восстановление пароля
- Регистрация

Test Case ID: 0.1.1

Title	API: successful user creation
Test Priority	High
Smoke	Yes
Module	API Tests
Automated	Yes (https://drive.google.com/drive/folders/11XjSDmUlg-xmwK1p34RFQj6nMW1H845v?usp=sharing)
Pre-conditions	-
Post-conditions	API: successful user deleting

Execution Steps

N	Step	Test data	Expected result
1	Make a POST request to create a user	Endpoint: {(baseUrl)}/v1/api/users baseUrl: https://studio-api.softr.io Request Headers: SoftR-API-Key: khIbAyJIU5Cluh1oDuBRx1s49 SoftR-Domain: jere237.softr.app Content-Type: application/json Request body: { "full_name": "John Richardson", "email": "johnr@gmail.com", "password": "12345678", "generate_magic_link": false }	Status: 200 OK Response body: { "full_name": "John Richardson", "email": "johnr@gmail.com", "magic_link": null, "created": "yyyy-mm-dd hh:mm:ss", "updated": "yyyy-mm-dd hh:mm:ss" } yyyy-mm-dd hh:mm:ss - current time format, for example: "2023-02-25 13:22:16"

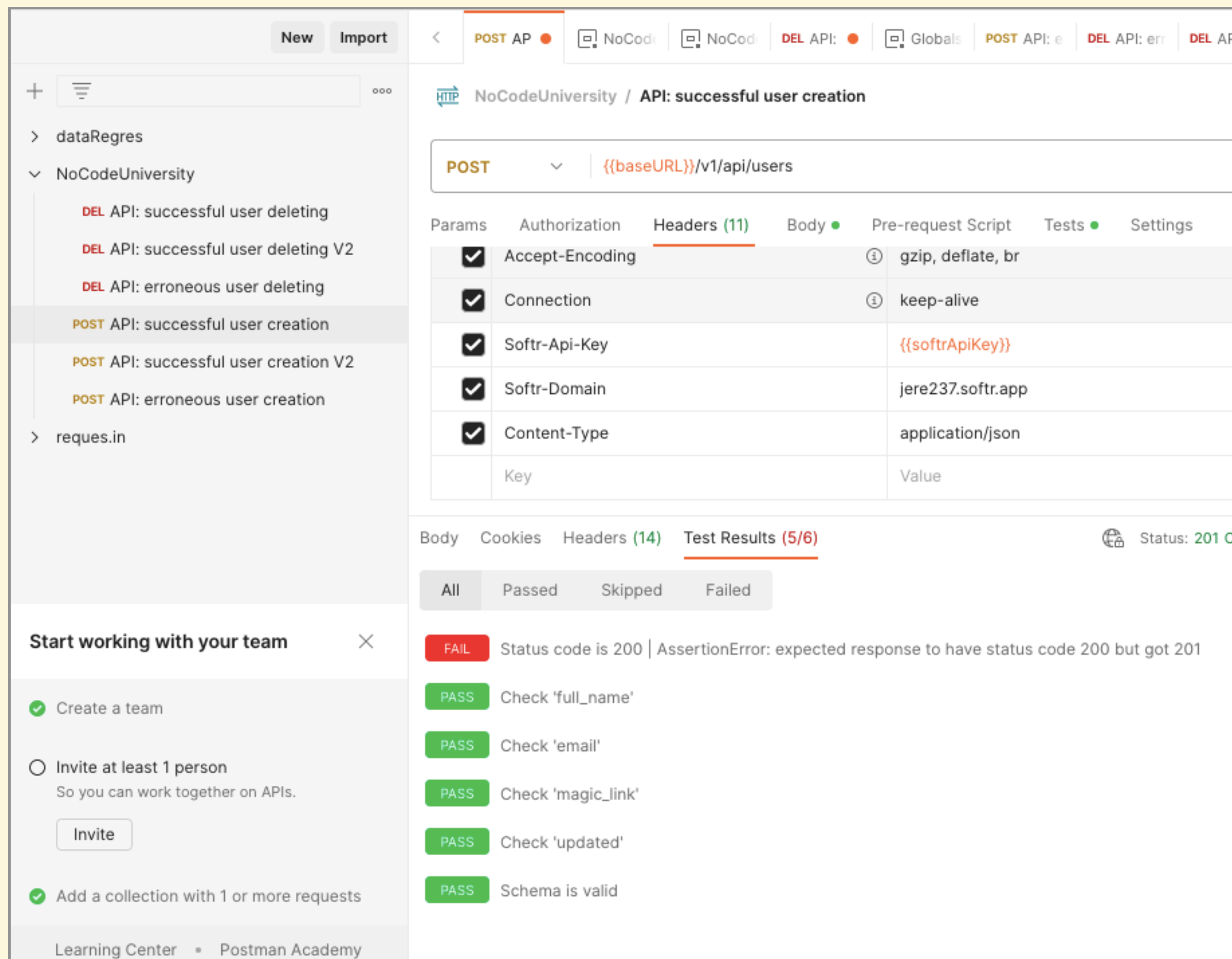
Defect ID: [0.1.1.1]

Summary	erroneous success status when creating a user in API
Found by Test Case	0.1.1
Severity	Minor
Version	1.4.1
Module	API Tests
Pre-conditions	

Steps to Reproduce

N	Step	Test data	Expected result	Actual results
1	Make a POST request to create a user (baseUrl: https://studio-api.softr.io)	24.05.2023	Status: 200 OK Response body: { "full_name": "John Richardson", "email": "johnr@gmail.com", "magic_link": null, "created": "yyyy-mm-dd hh:mm:ss", "updated": "yyyy-mm-dd hh:mm:ss" } yyyy-mm-dd hh:mm:ss - current time format, for example: "2023-02-25 13:22:16"	Status: 201 Created Response body: { "full_name": "John Richardson", "email": "johnr@gmail.com", "magic_link": null, "created": "2023-05-24 14:38:03", "updated": "2023-05-24 14:38:03" } See enclosed 0_1_1.pdf

Postman



The Postman interface displays a REST client setup for a POST request. The left sidebar shows a collection named "NoCodeUniversity" with several API endpoints. The main panel shows the request details for "POST {{baseUrl}}/v1/api/users". The "Headers" tab is selected, showing 11 headers including "Accept-Encoding", "Connection", "Softr-API-Key", "Softr-Domain", and "Content-Type". The "Body" tab is also visible, showing a "Key" and "Value" field. The "Test Results" tab shows a failed test with the message "Status code is 200 | AssertionError: expected response to have status code 200 but got 201".

POST {{baseUrl}}/v1/api/users

Params Authorization Headers (11) Body Pre-request Script Tests Settings

Accept-Encoding gzip, deflate, br

Connection keep-alive

Softr-API-Key {{softrApiKey}}

Softr-Domain jere237.softr.app

Content-Type application/json

Key Value

Body Cookies Headers (14) Test Results (5/6) Status: 201 OK

FAIL Status code is 200 | AssertionError: expected response to have status code 200 but got 201

PASS Check 'full_name'

PASS Check 'email'

PASS Check 'magic_link'

PASS Check 'updated'

PASS Schema is valid

Start working with your team

Create a team

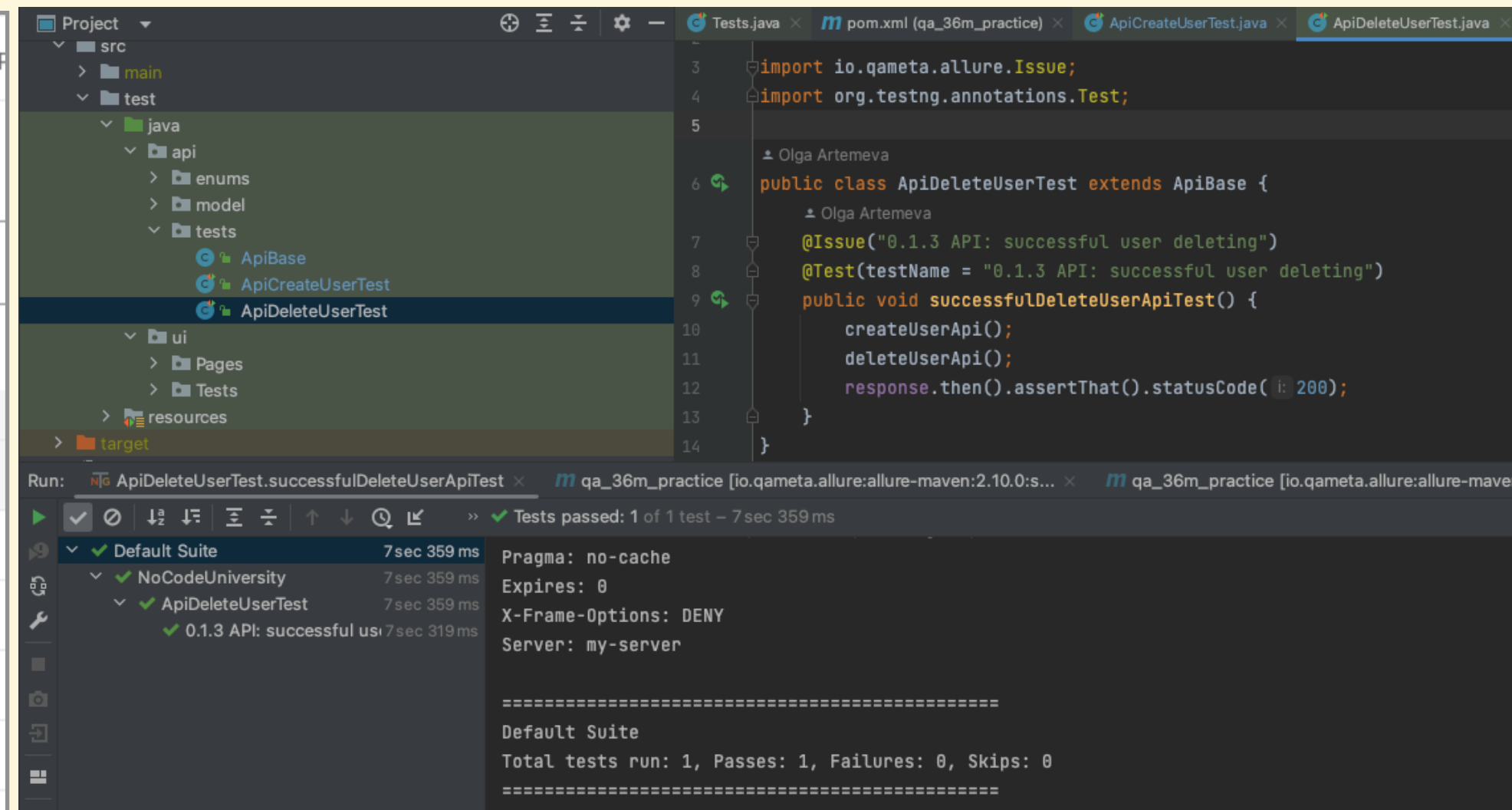
Invite at least 1 person

Invite

Add a collection with 1 or more requests

Learning Center • Postman Academy

IntelliJ IDEA



The IntelliJ IDEA interface shows a Java test class named "ApiDeleteUserTest" in the "tests" directory. The code includes imports for "io.qameta.allure.Issue" and "org.testng.annotations.Test". The test class extends "ApiBase" and contains a test method "successfulDeleteUserApiTest". The "Run" button is highlighted, and the "Run" output window shows the test results, including the test name, duration, and status.

```
import io.qameta.allure.Issue;
import org.testng.annotations.Test;

public class ApiDeleteUserTest extends ApiBase {
    @Issue("0.1.3 API: successful user deleting")
    @Test(testName = "0.1.3 API: successful user deleting")
    public void successfulDeleteUserApiTest() {
        createUserApi();
        deleteUserApi();
        response.then().assertThat().statusCode(200);
    }
}
```

Run: ApiDeleteUserTest.successfulDeleteUserApiTest

Tests passed: 1 of 1 test - 7 sec 359 ms

Pragma: no-cache

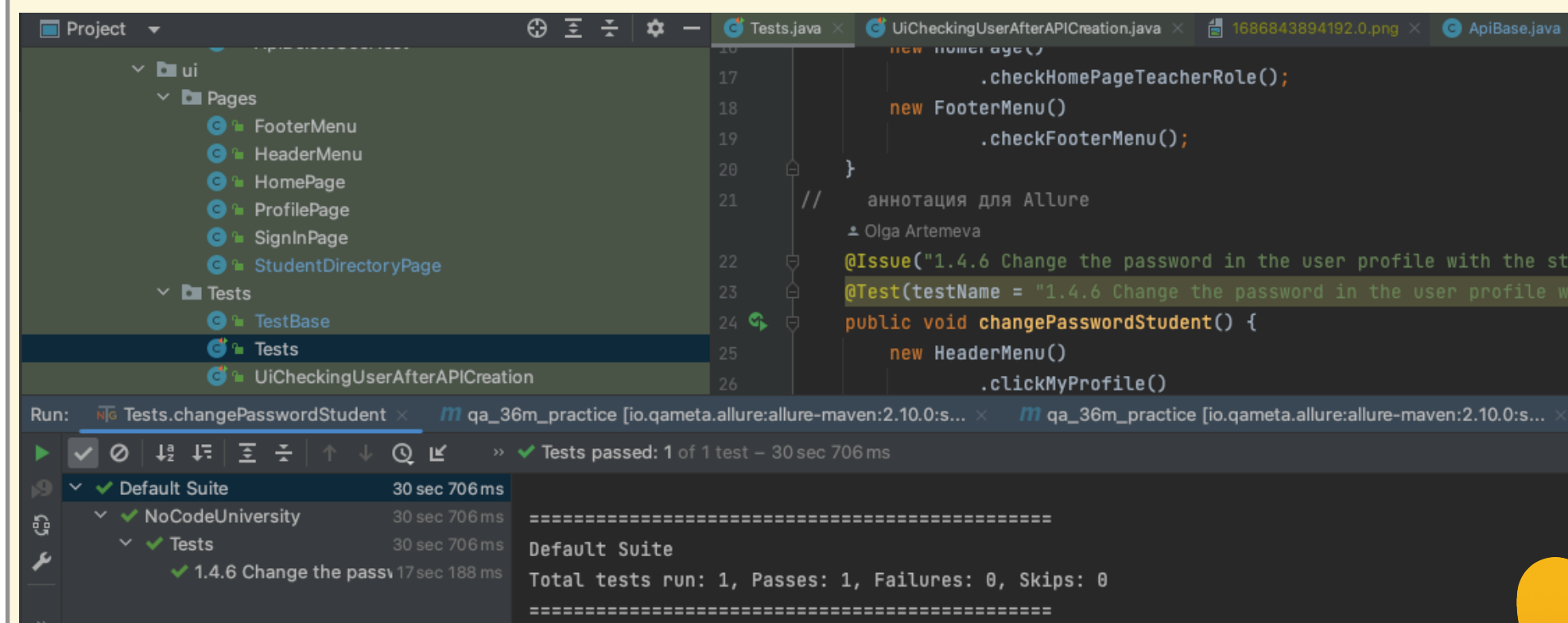
Expires: 0

X-Frame-Options: DENY

Server: my-server

Default Suite

Total tests run: 1, Passes: 1, Failures: 0, Skips: 0



The IntelliJ IDEA interface shows a Java test class named "UiCheckingUserAfterAPICreation" in the "Tests" directory. The code includes imports for "io.qameta.allure.Issue" and "org.testng.annotations.Test". The test class extends "TestBase" and contains a test method "changePasswordStudent". The "Run" button is highlighted, and the "Run" output window shows the test results, including the test name, duration, and status.

```
new HomePage()
    .checkHomePageTeacherRole();
new FooterMenu()
    .checkFooterMenu();
}

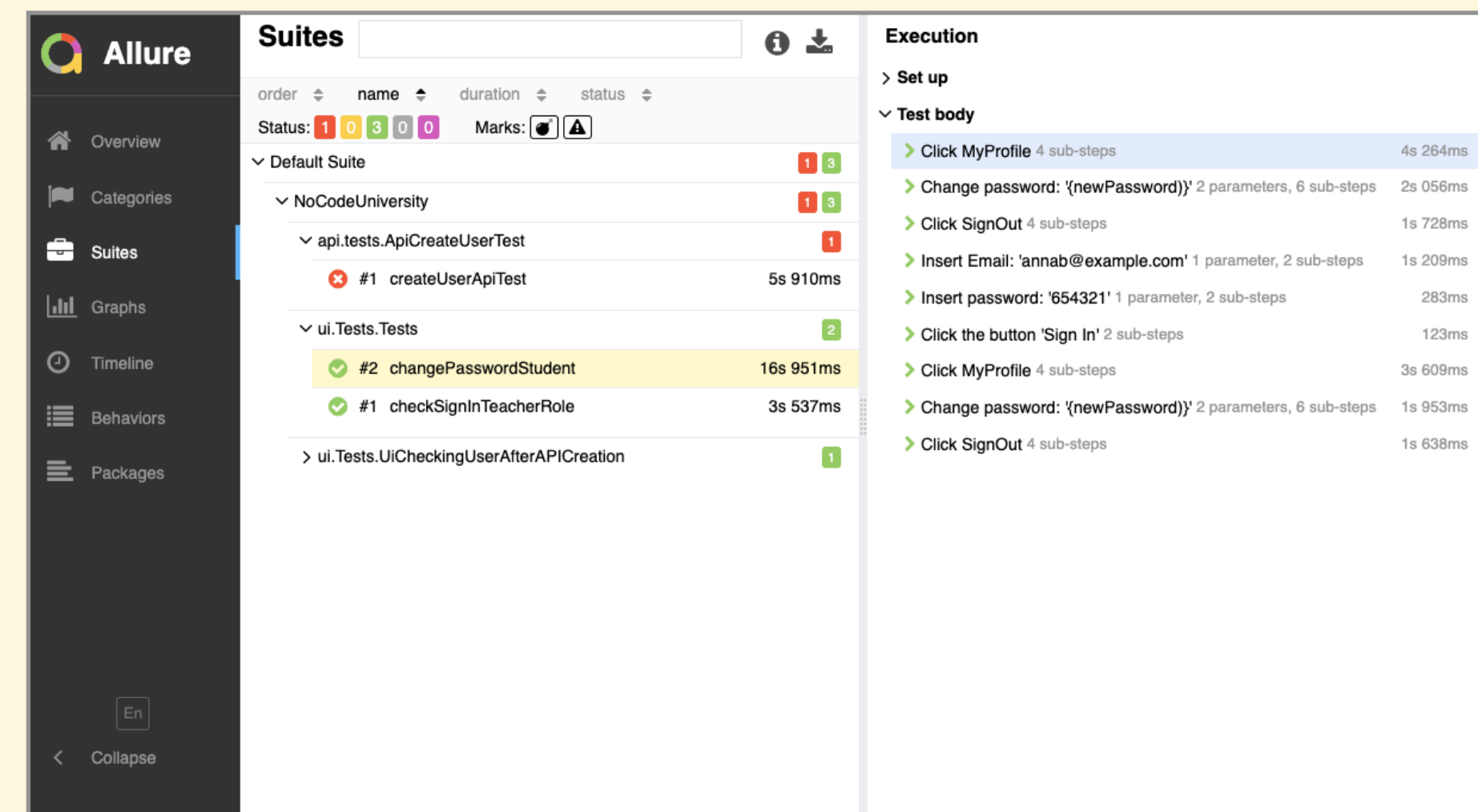
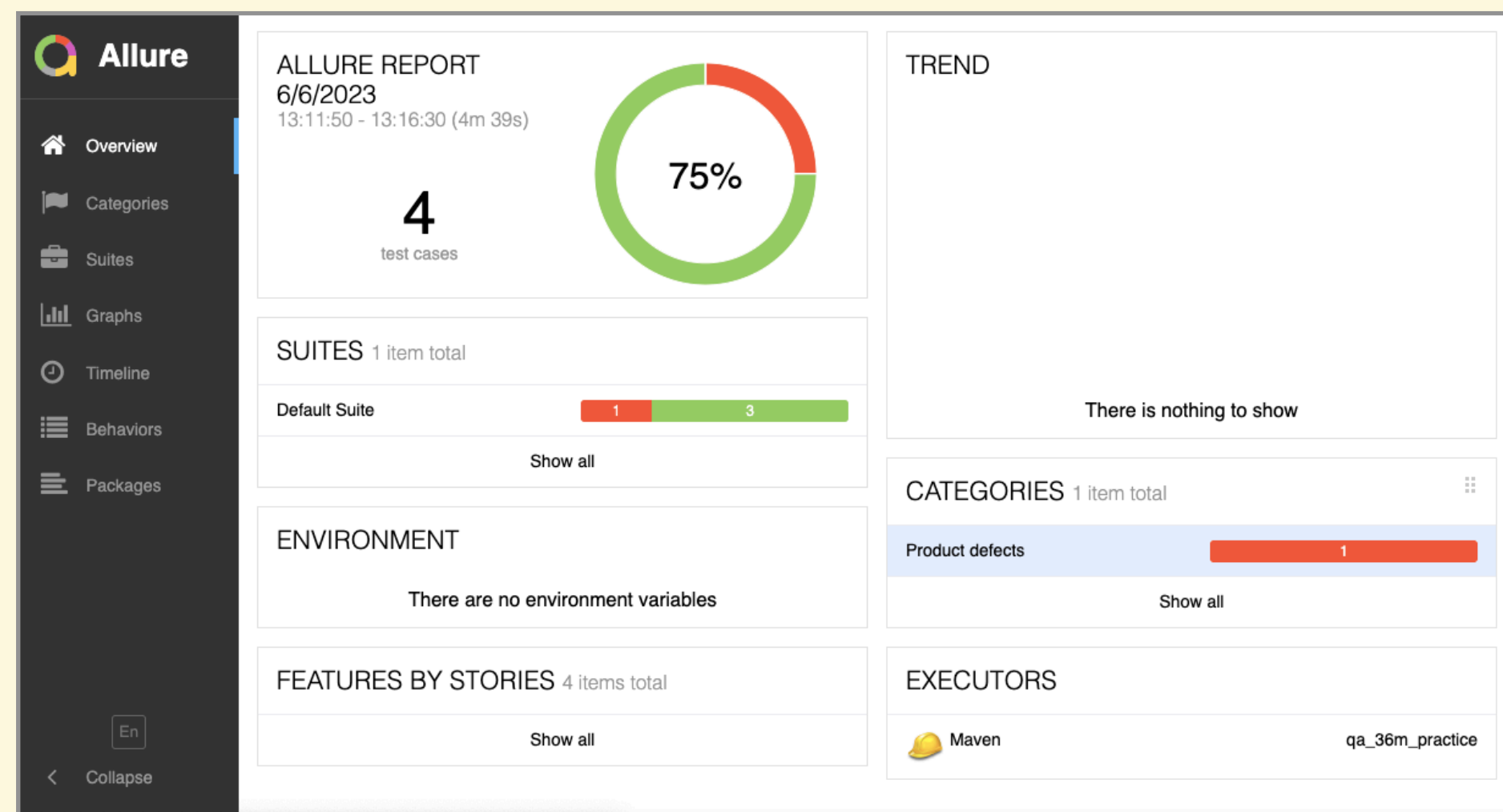
// аннотация для Allure
@Issue("1.4.6 Change the password in the user profile with the stu")
@Test(testName = "1.4.6 Change the password in the user profile wi")
public void changePasswordStudent() {
    new HeaderMenu()
        .clickMyProfile()
}
```

Run: Tests.changePasswordStudent

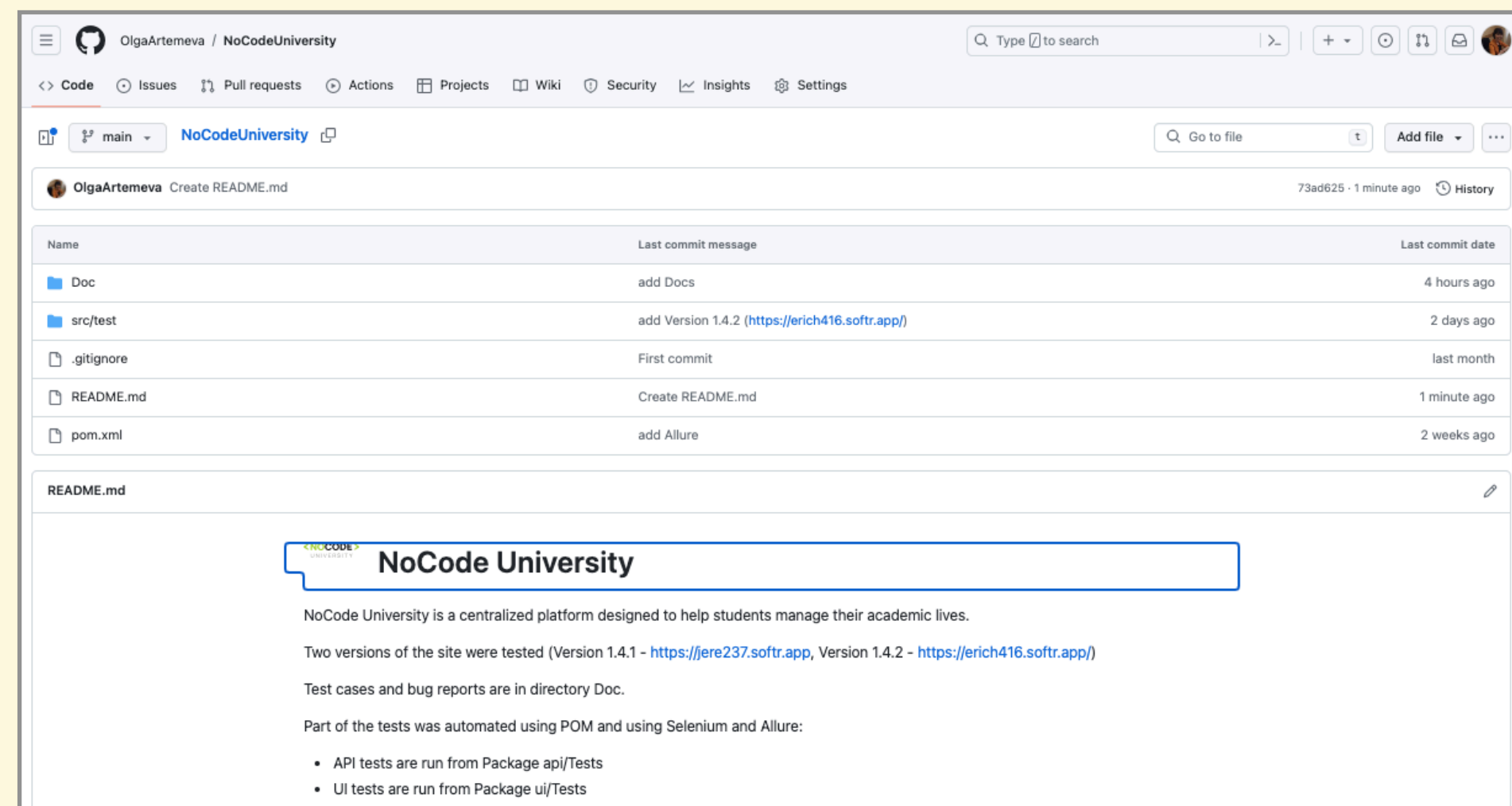
Tests passed: 1 of 1 test - 30 sec 706 ms

Default Suite

Total tests run: 1, Passes: 1, Failures: 0, Skips: 0



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bit.ly/42sSKR7

