# TAF-TRELLO

TEST AUTOMATION FRAMEWORK (TAF) UI AND API TESTING

https://trello.com/

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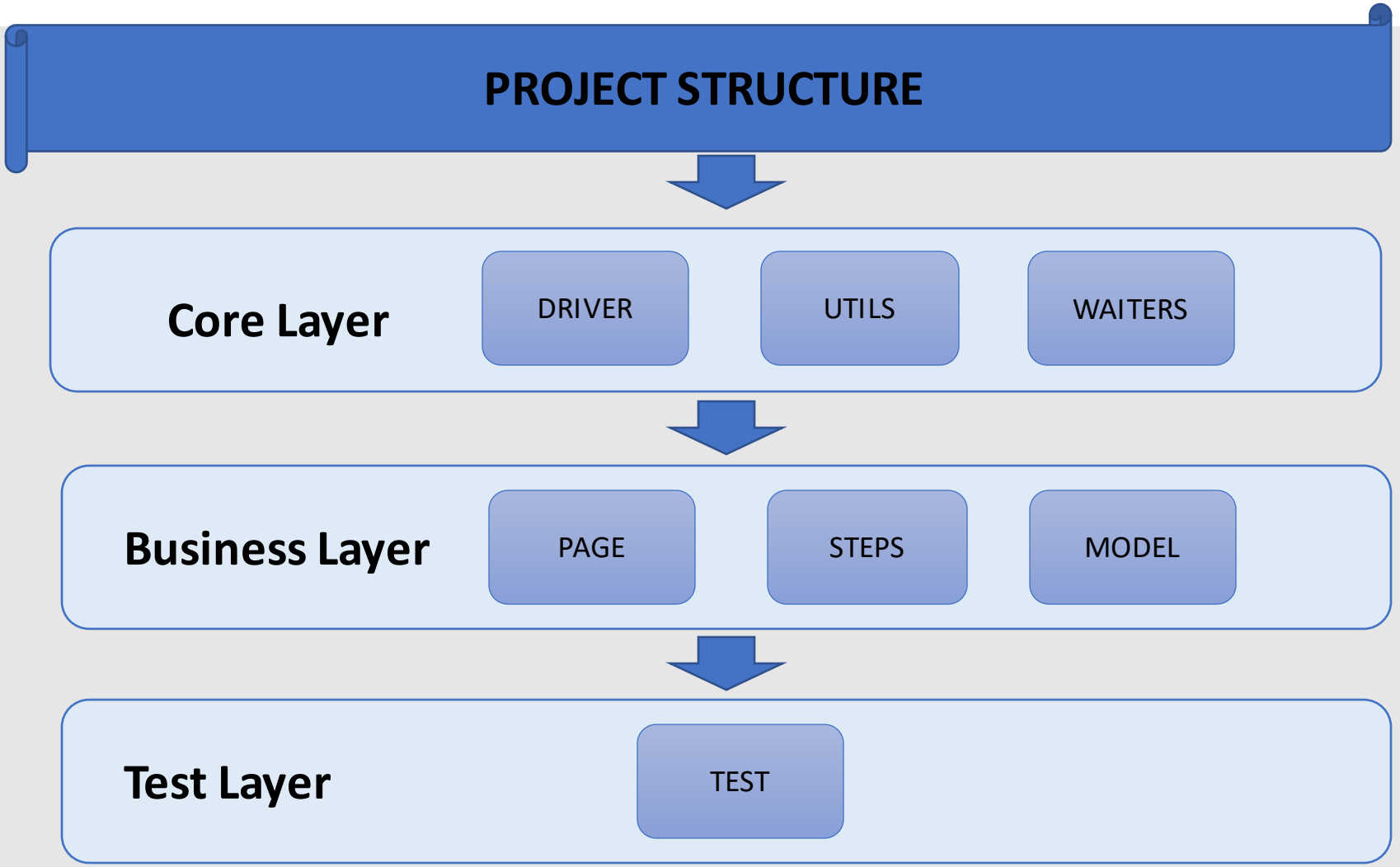

PROJECT STRUCTURE
Core Layer
DRIVER
UTILS
WAITERS
Business Layer
PAGE
STEPS
MODEL
Test Layer
TEST

**BUILD TOOL**: "MAVEN"
**CI/CD**: "JENKINS"

**FRAMEWORKS & LIBRARIES**:

"TESTNG" , "REST-ASSURED" ,"SELENIUM" ,
"LOG4J","ALLURE", "LOMBOK" ,
"JACKSON" ,"MOCKNEAT"

# UI TESTING

Property file for storage user date

Webdriver singleton

```
public static WebDriver getInstance()
```

Internationalization In Selenium WebDriver

```
opt.addArguments("--lang=en-US")
```

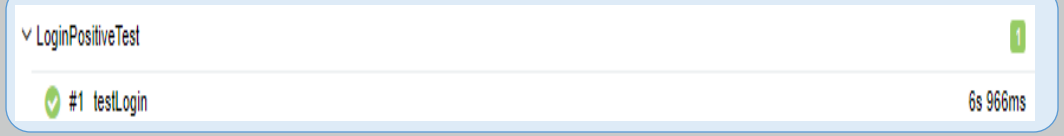
Page Factory

```
@FindBy(id = "user")
private WebElement fieldEmail;
```

Use in tests: Data Provider

```
@DataProvider(name =
"testLogInWithIncorrectPassword")
```

Creating allure reports in testng




Log messages

```
@Test
void testLogin() {
 log.info("Test login");
```

# API TESTING

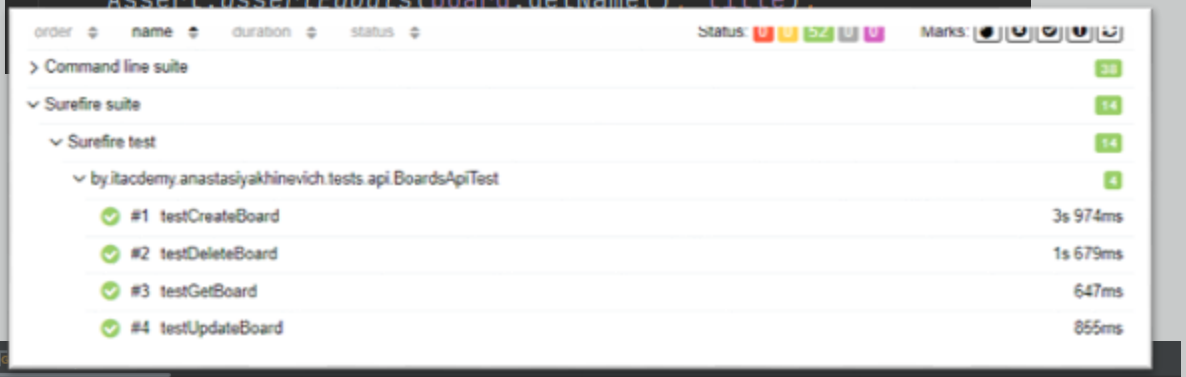
Property file for storage api key and token

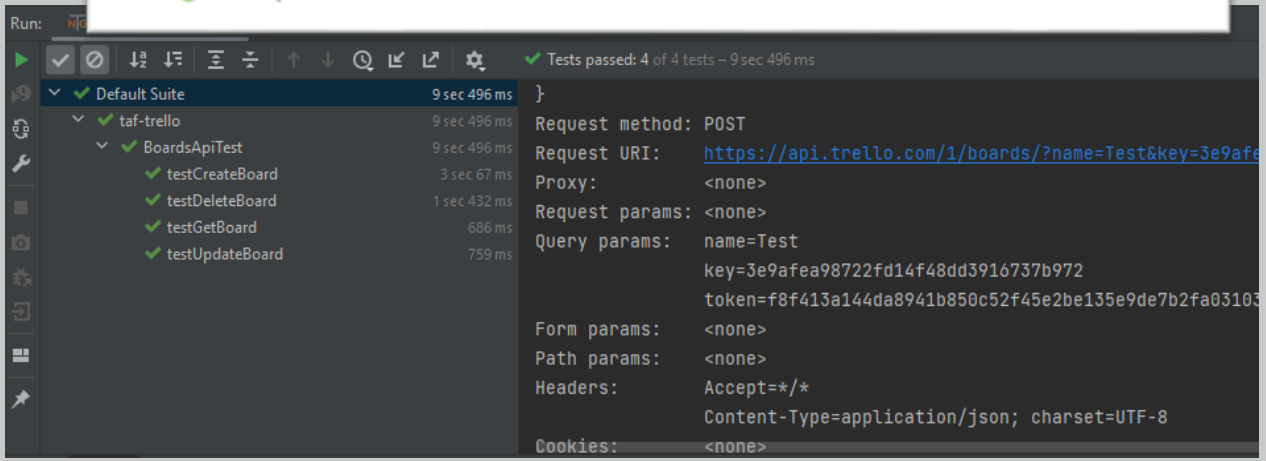
Deserialize json response in pojo

Creating allure reports

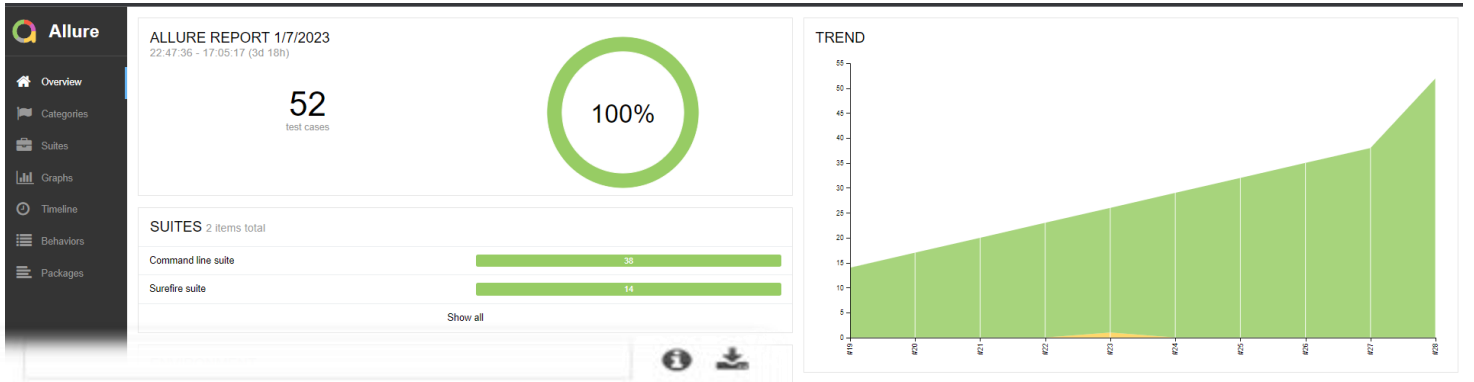
Log messages

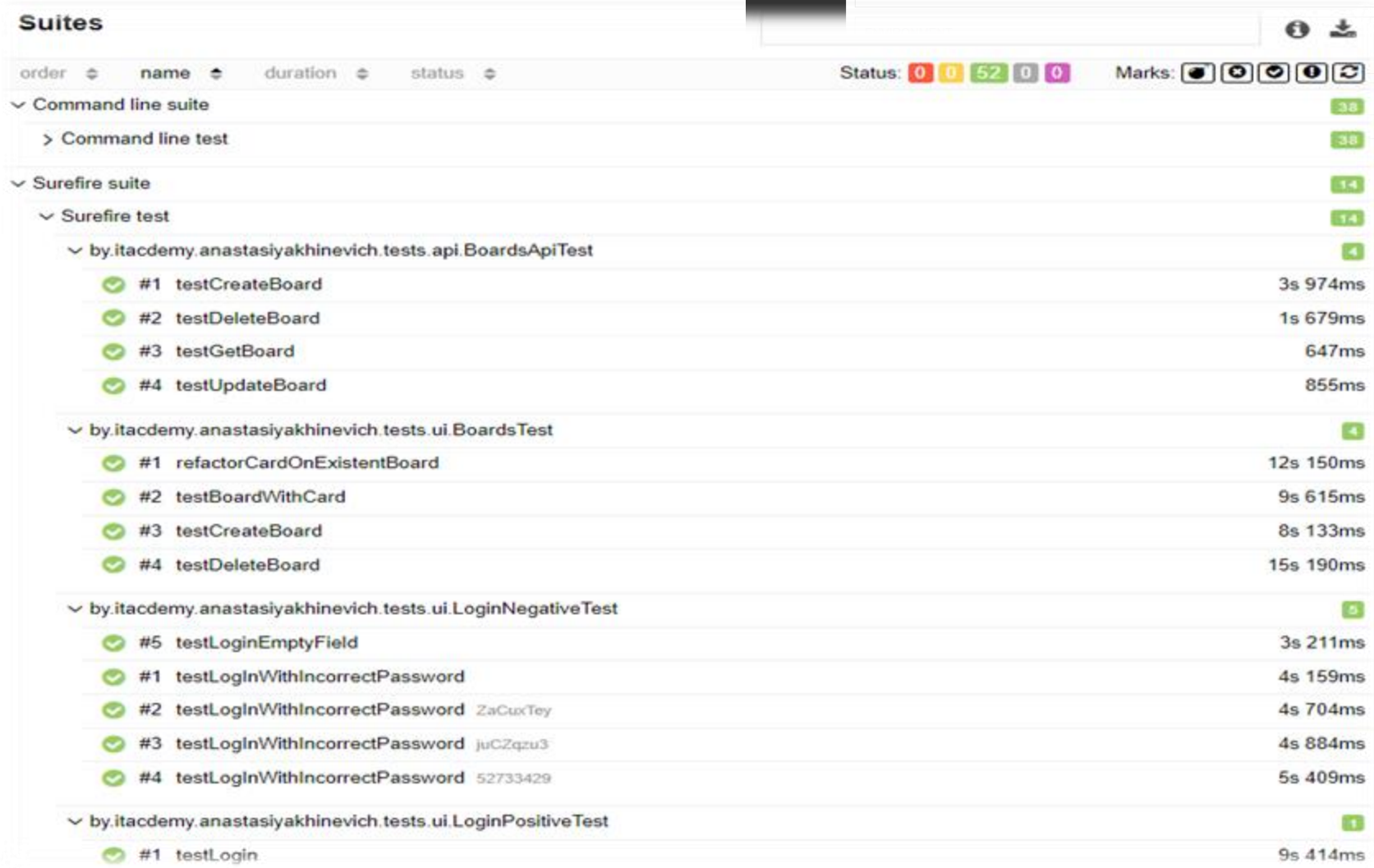
```
@Test
public void testGetBoard() {
    apiSteps = new ApiSteps();
    response = apiSteps.createBoard(author, title);
    board = response.as(Board.class);

    apiSteps.getBoard(author, board);

    Assert.assertEquals(response.statusCode(), expected: 200);
    Assert.assertEquals(board.getName(), title);
```

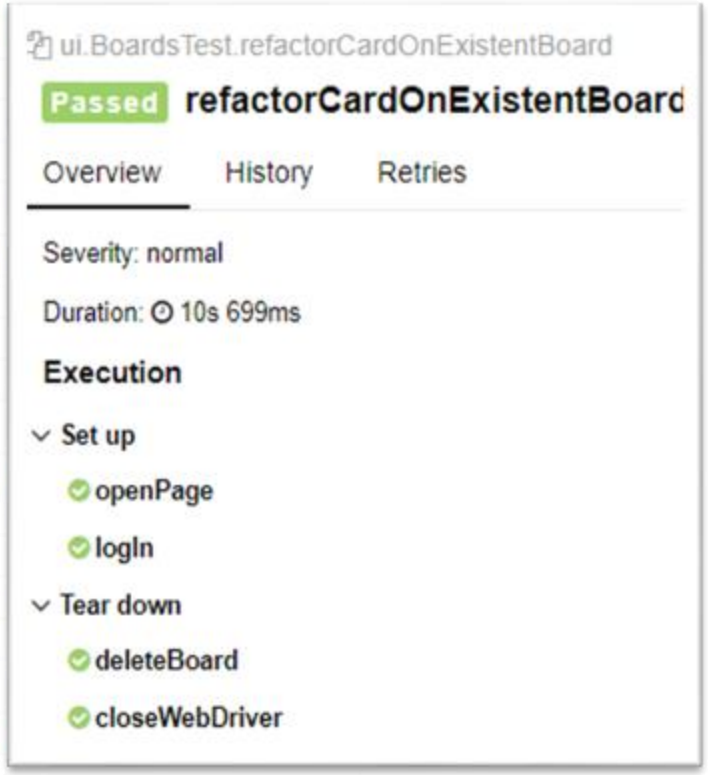


# REPORT


Allure
Overview
Categories
Suites
Graphs
Timeline
Behaviors
Packages
ALLURE REPORT 1/7/2023
22:47:36 - 17:05:17 (3d 18h)
52
test cases
100%
SUITES 2 items total
Command line suite
38
Surefire suite
14
Show all
TREND
CATEGORIES 0 items total
Show all
EXECUTORS
Jenkins
Trello #28


Suites
order
name
duration
status
Status: 0 0 52 0 0
Marks:
Command line suite 38
Command line test 38
Surefire suite 14
Surefire test 14
by.itacdemy.anastasiyakhinevich.tests.api.BoardsApiTest 4
#1 testCreateBoard 3s 974ms
#2 testDeleteBoard 1s 679ms
#3 testGetBoard 647ms
#4 testUpdateBoard 855ms
by.itacdemy.anastasiyakhinevich.tests.ui.BoardsTest 4
#1 refactorCardOnExistentBoard 12s 150ms
#2 testBoardWithCard 9s 615ms
#3 testCreateBoard 8s 133ms
#4 testDeleteBoard 15s 190ms
by.itacdemy.anastasiyakhinevich.tests.ui.LoginNegativeTest 5
#5 testLoginEmptyField 3s 211ms
#1 testLogInWithIncorrectPassword 4s 159ms
#2 testLogInWithIncorrectPassword ZaCuxTey 4s 704ms
#3 testLogInWithIncorrectPassword juCZqzu3 4s 884ms
#4 testLogInWithIncorrectPassword 52733429 5s 409ms
by.itacdemy.anastasiyakhinevich.tests.ui.LoginPositiveTest 1
#1 testLogin 9s 414ms


ui.BoardsTest.refactorCardOnExistentBoard
Passed
refactorCardOnExistentBoard
Overview
History
Retries
Severity: normal
Duration: 10s 699ms
Execution
Set up
openPage
logIn
Tear down
deleteBoard
closeWebDriver

**Thank you for your time :)**