# **Building and Running Tests: REST API**

In this lesson, we will learn how to build and run the REST API tests using Gradle.

#### We'll cover the following



- Building the project
- Commands to run the test files from the command line
  - Sample tests for reference
- Generated report paths
- How to open an Allure report from the command line

# Building the project #

Go to the project root to run the following commands:

./gradlew clean build -x test

## Commands to run the test files from the command line #

Go to the project root to run the command.

Sample tests for reference #

## **GET request test**

./gradlew clean build test --tests "io.educative.api.tests.TestGET"

## **POST request test**

./gradlew clean build test --tests "io.educative.api.tests.TestPOST"

## **DELETE request test**

./gradlew clean build test --tests "io.educative.api.tests.TestDelete"

#### **Basic authentication test**

./gradlew clean build test --tests "io.educative.api.tests.TestAuthentication"

#### Hamcrest matchers test

./gradlew clean build test --tests "io.educative.api.tests.TestHamcrestMatchers"  $\ensuremath{\mathsf{s}}$ 

#### **Async API test**

./gradlew clean build test --tests "io.educative.api.tests.TestAsyncAPI"

### Generated report paths

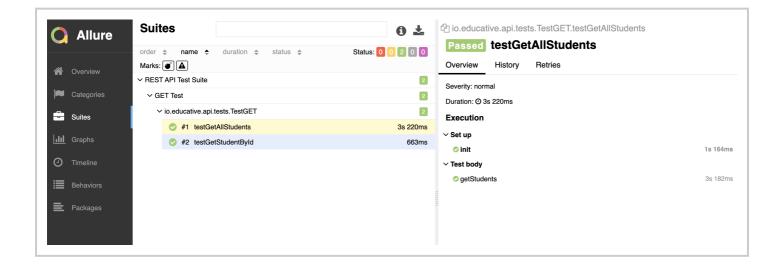
- **TestNG** ./build/test-results/test/
- Allure ./build/reports/test-output/allure-reports/index.html
- **Gradle** ./build/reports/tests/test/index.html

## How to open an Allure report from the command line #

Once the test execution is complete, please go to the project root and run the command below to open the Allure report:

./gradlew allureServe

The command above will open a report similar to the following one:



Now you can play around with the framework test code. In the next lesson, we will

learn about the SOAP API test framework.