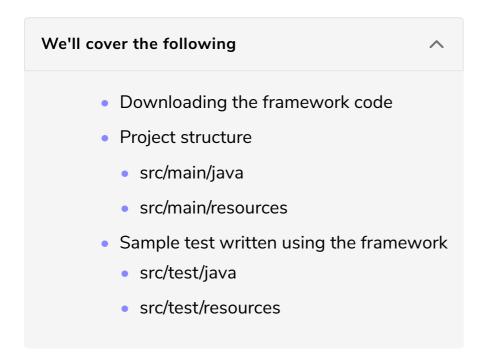
Download the REST API Test Framework

In this lesson, we will download and understand the framework structure.



Downloading the framework code

This is a sample framework that can be extended and reused for any REST API testing requirement. It can be downloaded here.

Project structure

```
build.gradle
    gradle
    └─ wrapper
          — gradle-wrapper.jar
          — gradle-wrapper.properties
    gradlew
    gradlew.bat
   settings.gradle
  - src
      – main
           - iava
            └─ io
                   - educative
                     L— api

    constants

                             └─ Endpoints.java
                            helpers
                             StudentServiceHelper.java
                           - model
                             └─ Student.java
                            utils
                             └─ ConfigManager.java
            resources
            logback.xml
        test
          — java
            └─ io
                 └─ educative
                     └─ api
                          — tests
                               — TestAsyncAPI.java
                               - TestAuthentication.java
                               TestDelete.java
                               - TestGET.java

    TestHamcrestMatchers.java

                               — TestPOST.java
            resources
               config.properties
              testng.xml
20 directories, 19 files
```

src/main/java

- io.educative.api.constants.Endpoints a constant class for resource paths
- io.educative.api.helpers.StudentServiceHelper a class for writing helper

methods used in making a request

- io.educative.api.model.Student a POJO class used for serialization and deserialization of data
- io.educative.api.utils.ConfigManager a class for configuration management that takes configuration parameters from project-specific config.properties and can be overridden by a JVM argument

src/main/resources

• logback.xml – the configuration for logback

Sample test written using the framework

src/test/java

- io.educative.api.tests.TestGET a test for demonstrating a GET request
- io.educative.api.tests.TestPOST a test for demonstrating a POST request
- io.educative.api.tests.TestDelete a test for demonstrating a DELETE request
- io.educative.api.tests.TestAuthentication a test for demonstrating a basic authentication for a GET request
- io.educative.api.tests.TestHamcrestMatchers a test for demonstrating Hamcrest matchers usage.
- io.educative.api.tests.TestAsyncAPI a test for handling an async request src/test/resources #
 - config.properties a property file that holds the project-specific configuration parameters and can be read using ConfigManager
 - testng.xml a suite of TestNG tests

Now, we are familiar with the framework code structure. In the next lesson, we will learn to build, run, and experiment with the downloaded tests.