WIREMOCK IN SPRING BOOT

WireMock is a library for mocking web services.

It constructs an HTTP server that we can connect to as we would to an actual web service.

When a WireMock server is in action, we can set up expectations, call the service and then verify its behaviours.

Dependency

<dependency>

<groupId>com.github.tomakehurst</groupId>

<artifactId>wiremock</artifactId>

<version>1.58</version>

<scope>test</scope>

</dependency>

Server Setup

*// instantiate a WireMock server*

*WireMockServer wireMockServer = new WireMockServer(String host, int port);*

*// start server*

*wireMockServer.start();*

*// configure a stub for an endpoint*

*configureFor("localhost", 8080);*

*stubFor(get(urlEqualTo("/baeldung")).willReturn(aResponse().withBody("Welcome to Baeldung!")));*

*// test using a client*

*CloseableHttpClient httpClient = HttpClients.createDefault();*

*HttpGet request = new HttpGet("http://localhost:8080/baeldung");*

*HttpResponse httpResponse = httpClient.execute(request);*

*// response from WireMock stub*

*String responseString = convertResponseToString(httpResponse);*

*private String convertResponseToString(HttpResponse response) throws IOException {*

*InputStream responseStream = response.getEntity().getContent();*

*Scanner scanner = new Scanner(responseStream, "UTF-8");*

*String responseString = scanner.useDelimiter("\\Z").next();*

*scanner.close();*

*return responseString;*

*}*

*// assertion*

*verify(getRequestedFor(urlEqualTo("/baeldung")));*

*assertEquals("Welcome to Baeldung!", stringResponse);*

*// stop server*

*wireMockServer.stop();*