National University of Computer and Emerging Sciences Chiniot-Faisalabad Campus



**metabase**

Software Quality Engineering

### Semester Project

### Phase 2

### BS (SE) 5A

## Team Name: zzwave-testing

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# **Automation Test Cases of API: -**

**Create Dashboard**

**import** io.restassured.RestAssured;

**import** io.restassured.http.ContentType;

**import** io.restassured.response.Response;

**import** org.testng.annotations.BeforeClass;

**import** org.testng.annotations.Test;

**import** **static** io.restassured.RestAssured.*given*;

**import** **static** org.testng.Assert.*assertEquals*;

**public** **class** MetabaseAPITest {

**private** **static** **final** String ***BASE\_URL*** = "http://localhost:3000/";

@BeforeClass

**public** **void** setUp() {

RestAssured.*baseURI* = ***BASE\_URL***;

}

@Test

**public** **void** testGetDashboards() {

Response response = *given*()

.contentType(ContentType.***JSON***)

.when()

.get("/dashboards");

*assertEquals*(response.getStatusCode(), 200);

// You can add additional assertions to validate the response body, headers, etc.

}

@Test

**public** **void** testCreateDashboard() {

String createDashboardPayload = "{\n" +

" \"name\": \"Dashboard\",\n" +

" \"parameters\": [],\n" +

" \"ordered\_cards\": [],\n" +

" \"archived\": false\n" +

"}";

Response response = *given*()

.contentType(ContentType.***JSON***)

.body(createDashboardPayload)

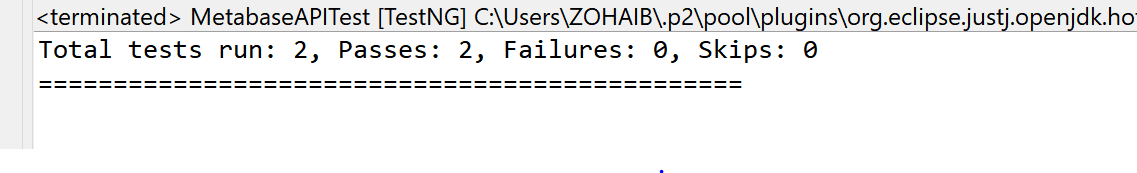
.when()

.post("/dashboard");

*assertEquals*(response.getStatusCode(), 200);

}

}



**Check dashboard**

import io.restassured.RestAssured;

import io.restassured.http.ContentType;

import io.restassured.response.Response;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.Test;

import static io.restassured.RestAssured.given;

import static org.testng.Assert.assertEquals;

public class MetabaseAPITest {

private static final String BASE\_URL = "http://localhost:3000/";

@BeforeClass

public void setUp() {

RestAssured.baseURI = BASE\_URL;

}

@Test

public void testGetDashboard() {

Response response = given()

.contentType(ContentType.JSON)

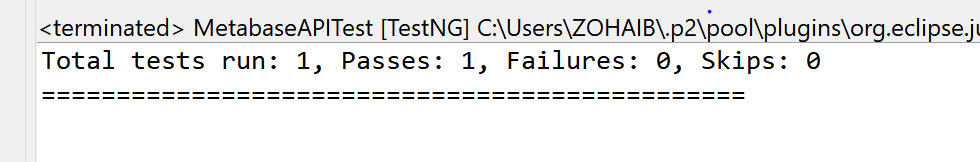
.when()

.get("/dashboard/1-talibaan");

assertEquals(response.getStatusCode(), 200);

}

}



**Update Dashboard**

**import** io.restassured.RestAssured;

**import** io.restassured.http.ContentType;

**import** io.restassured.response.Response;

**import** org.testng.annotations.BeforeClass;

**import** org.testng.annotations.Test;

**import** **static** io.restassured.RestAssured.*given*;

**import** **static** org.testng.Assert.*assertEquals*;

**public** **class** MetabaseAPITest {

**private** **static** **final** String ***BASE\_URL*** = "http://localhost:3000/";

@BeforeClass

**public** **void** setUp() {

RestAssured.*baseURI* = ***BASE\_URL***;

}

@Test

**public** **void** testGetDashboard() {

Response response = *given*()

.contentType(ContentType.***JSON***)

.when()

.get("/dashboard/1-talibaan");

*assertEquals*(response.getStatusCode(), 200);

}

@Test

**public** **void** testUpdateDashboard() {

String updateDashboardPayload = "{\n" +

" \"name\": \"taliban\",\n" +

" \"archived\": false,\n" +

" \"parameters\": []\n" +

"}";

Response response = *given*()

.contentType(ContentType.***JSON***)

.body(updateDashboardPayload)

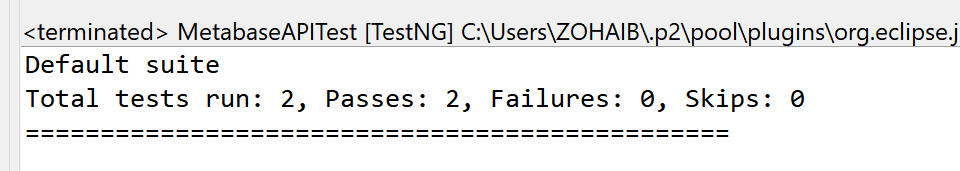
.when()

.put("/dashboard/1-taliban");

*assertEquals*(response.getStatusCode(), 200);

}

}



**Archive Dashboard**

**import** io.restassured.RestAssured;

**import** io.restassured.http.ContentType;

**import** io.restassured.response.Response;

**import** org.testng.annotations.BeforeClass;

**import** org.testng.annotations.Test;

**import** **static** io.restassured.RestAssured.*given*;

**import** **static** org.testng.Assert.*assertEquals*;

**public** **class** MetabaseAPITest {

**private** **static** **final** String ***BASE\_URL*** = "http://localhost:3000/";

@BeforeClass

**public** **void** setUp() {

RestAssured.*baseURI* = ***BASE\_URL***;

}

@Test

**public** **void** testArchiveDashboard() {

String createDashboardPayload = "{\n" +

" \"name\": \"talibaan\",\n" +

" \"parameters\": [],\n" +

" \"ordered\_cards\": [],\n" +

" \"archived\": false\n" +

"}";

Response createResponse = *given*()

.contentType(ContentType.***JSON***)

.body(createDashboardPayload)

.when()

.post("/dashboard");

*assertEquals*(createResponse.getStatusCode(), 200);

**int** dashboardId = createResponse.path("/dashboard/1-talibaan");

// Now, archive the created dashboard

String archiveDashboardPayload = "{\n" +

" \"archived\": true\n" +

"}";

Response archiveResponse = *given*()

.contentType(ContentType.***JSON***)

.body(archiveDashboardPayload)

.when()

.put("/dashboard/" + dashboardId);

*assertEquals*(archiveResponse.getStatusCode(), 200);

}

}

