PhaseEndProject

===

Assigment1:

```java
package CourseEndProject;


import java.io.File;


import org.apache.logging.log4j.LogManager;

import org.apache.logging.log4j.Logger;

import org.hamcrest.Matchers;

import org.testng.annotations.Test;


import io.restassured.RestAssured;

import io.restassured.http.ContentType;


public class Assignment001Demo {


    Logger logger = LogManager.getLogger(Assignment001Demo.class);


    @Test(priority='1')

    public void assignment001Post()

    {

        logger.info("Course End project - Assignment001 - POST request");

        File file = new File("resources/data.json");

        int id = RestAssured.given()
```

```java
            .baseUri("https://petstore.swagger.io/v2/pet")

            .contentType(ContentType.JSON)

            .body(file)

            .when().post()

            .then()

            .statusCode(200)

            .log().all()

            .body("name", Matchers.equalTo("duck")).extract().path("id");
    logger.trace("The status code is checked");


    System.out.println(id);


    logger.trace("Id has been captured and validated");


    }


    @Test(priority='2',dependsOnMethods="assignment001Post")

    public void assignment001Get()

    {


            logger.info("Course End project - Assignment001 - GET request");

    int id = RestAssured.given()

            .baseUri("https://petstore.swagger.io/v2/pet/987")

            .when()

            .get()

            .then()

            .statusCode(200)

            .log().all()

            .body("status",
Matchers.equalTo("available")).extract().path("category.id");
```

```java
        System.out.println(id); // 0

        logger.trace("Id and status has been captured and validated");

    }


    @Test(priority='3',dependsOnMethods="assignment001Get")

    public void assignment001Delete()

    {

            logger.info("Course End project - Assignment001 - Delete request");

RestAssured.given()

            .baseUri("https://petstore.swagger.io/v2/pet/987")

            .when()

            .delete()

            .then()

            .statusCode(200)

            .log().all()

            .body("code", Matchers.equalTo(200))

            .body("type", Matchers.equalTo("unknown"))

            .body("message", Matchers.equalTo("987"));




    }
```

}

===

output of assigment1:

[RemoteTestNG] detected TestNG version 7.7.1

SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".

SLF4J: Defaulting to no-operation (NOP) logger implementation

SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.

[INFO] 2023-11-10 12:03:07.943 [main] Assignment001Demo - Course End project - Assignment001 - POST request

HTTP/1.1 200 OK

Date: Fri, 10 Nov 2023 06:33:12 GMT

Content-Type: application/json

Transfer-Encoding: chunked

Connection: keep-alive

Access-Control-Allow-Origin: *

Access-Control-Allow-Methods: GET, POST, DELETE, PUT

Access-Control-Allow-Headers: Content-Type, api_key, Authorization

Server: Jetty(9.2.9.v20150224)

{

    "id": 987,

    "category": {

        "id": 0,

        "name": "string"

    },

    "name": "duck",

    "photoUrls": [

        "string"

    ],

    "tags": [

```
        {

            "id": 0,

            "name": "string"

        }

    ],

    "status": "available"

}
```

987

[INFO] 2023-11-10 12:03:11.853 [main] Assignment001Demo - Course End project - Assignment001 - GET request

HTTP/1.1 200 OK

Date: Fri, 10 Nov 2023 06:33:14 GMT

Content-Type: application/json

Transfer-Encoding: chunked

Connection: keep-alive

Access-Control-Allow-Origin: *

Access-Control-Allow-Methods: GET, POST, DELETE, PUT

Access-Control-Allow-Headers: Content-Type, api_key, Authorization

Server: Jetty(9.2.9.v20150224)

```
{

    "id": 987,

    "category": {

        "id": 0,

        "name": "string"

    },

    "name": "duck",

    "photoUrls": [

        "string"

    ],
```

```
    "tags": [

        {

            "id": 0,

            "name": "string"

        }

    ],

    "status": "available"

}

0
```

[INFO] 2023-11-10 12:03:13.295 [main] Assignment001Demo - Course End project - Assignment001 - Delete request

HTTP/1.1 200 OK

Date: Fri, 10 Nov 2023 06:33:16 GMT

Content-Type: application/json

Transfer-Encoding: chunked

Connection: keep-alive

Access-Control-Allow-Origin: *

Access-Control-Allow-Methods: GET, POST, DELETE, PUT

Access-Control-Allow-Headers: Content-Type, api_key, Authorization

Server: Jetty(9.2.9.v20150224)

```
{

    "code": 200,

    "type": "unknown",

    "message": "987"

}
```

PASSED: CourseEndProject.Assignment001Demo.assignment001Delete

PASSED: CourseEndProject.Assignment001Demo.assignment001Post

PASSED: CourseEndProject.Assignment001Demo.assignment001Get

```
============================================

    Default test

    Tests run: 3, Failures: 0, Skips: 0

============================================




============================================

Default suite

Total tests run: 3, Passes: 3, Failures: 0, Skips: 0

============================================

=================================================================
```

Assigment2:

```java
package CourseEndProject;


import java.io.File;


import org.apache.logging.log4j.LogManager;

import org.apache.logging.log4j.Logger;

import org.hamcrest.Matchers;

import org.testng.annotations.Test;


import io.restassured.RestAssured;

import io.restassured.http.ContentType;


public class Assignment002 {


    Logger logger = LogManager.getLogger(Assignment002.class);


    @Test(priority='1')
```

```java
public void assignment002Post()

{

        logger.info("Course End project - Assignment002 - POST request");

        File file = new File("resources/data.json");

        int id = RestAssured.given()

        .baseUri("https://petstore.swagger.io/v2/pet")

        .contentType(ContentType.JSON)

        .body(file)

        .when().post()

        .then()

        .statusCode(200)

        .log().all()

        .body("name", Matchers.equalTo("duck")).extract().path("id");

logger.trace("The status code is checked");


System.out.println(id);


logger.trace("Id has been captured and validated");


}




@Test(priority='2',dependsOnMethods = "assignment002Post")

public void assignment002Put()

{

        File file = new File("resources/dataput.json");

int id = RestAssured.given()

        .baseUri("https://petstore.swagger.io/v2/pet/")

        .contentType(ContentType.JSON)
```

```java
            .body(file)

            .when()

            .post()

            .then()

            .statusCode(200)

            .log().all()

            .body("status",
Matchers.equalTo("available_QA")).extract().path("id");


        System.out.println(id);




    }

}
```

===

output:

[RemoteTestNG] detected TestNG version 7.7.1

SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".

SLF4J: Defaulting to no-operation (NOP) logger implementation

SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.

[INFO] 2023-11-10 12:21:12.124 [main] Assignment002 - Course End project -
Assignment002 - POST request

HTTP/1.1 200 OK

Date: Fri, 10 Nov 2023 06:51:16 GMT

Content-Type: application/json

Transfer-Encoding: chunked

Connection: keep-alive

Access-Control-Allow-Origin: *

Access-Control-Allow-Methods: GET, POST, DELETE, PUT

Access-Control-Allow-Headers: Content-Type, api_key, Authorization

Server: Jetty(9.2.9.v20150224)


```
{
    "id": 987,
    "category": {
        "id": 0,
        "name": "string"
    },
    "name": "duck",
    "photoUrls": [
        "string"
    ],
    "tags": [
        {
            "id": 0,
            "name": "string"
        }
    ],
    "status": "available"
}
```
987
HTTP/1.1 200 OK

Date: Fri, 10 Nov 2023 06:51:18 GMT

Content-Type: application/json

Transfer-Encoding: chunked

Connection: keep-alive

Access-Control-Allow-Origin: *

Access-Control-Allow-Methods: GET, POST, DELETE, PUT

Access-Control-Allow-Headers: Content-Type, api_key, Authorization

Server: Jetty(9.2.9.v20150224)

```
{
    "id": 987,
    "category": {
        "id": 0,
        "name": "string"
    },
    "name": "duck",
    "photoUrls": [
        "string"
    ],
    "tags": [
        {
            "id": 0,
            "name": "string"
        }
    ],
    "status": "available_QA"
}
```
987

PASSED: CourseEndProject.Assignment002.assignment002Put

PASSED: CourseEndProject.Assignment002.assignment002Post

===

    Default test

    Tests run: 2, Failures: 0, Skips: 0

===

```
================================================
Default suite

Total tests run: 2, Passes: 2, Failures: 0, Skips: 0

================================================
```

==

Assigment3&4:

package CourseEndProject;

import org.hamcrest.Matchers;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class Assignment003004Demo {

    @Test(priority='1')

    public void assignment003User()

    {

        RestAssured.given()

        .baseUri("https://petstore.swagger.io/v2/user/Uname001")

        .when()

        .get()

        .then()

        .statusCode(200)

        .log().all()

```java
        .body("username", Matchers.equalTo("Uname001"))

        .body("email", Matchers.equalTo("Positive@Attitude.com"))

        .body("userStatus", Matchers.equalTo(1))

        ;




}




@Test(priority='2')

public void assignment004login()

{

        RestAssured.given()

        .baseUri("https://petstore.swagger.io/v2/user/login")

        .auth().preemptive().basic("Uname001", "@tt!tude")

        .when()

        .get()

        .then()

        .statusCode(200)

        .log().all()

        .body("message", Matchers.anything());




}
```

}

==

output:

[RemoteTestNG] detected TestNG version 7.7.1

HTTP/1.1 200 OK

Date: Fri, 10 Nov 2023 07:05:59 GMT

Content-Type: application/json

Transfer-Encoding: chunked

Connection: keep-alive

Access-Control-Allow-Origin: *

Access-Control-Allow-Methods: GET, POST, DELETE, PUT

Access-Control-Allow-Headers: Content-Type, api_key, Authorization

Server: Jetty(9.2.9.v20150224)

{

    "id": 9223372036854743098,

    "username": "Uname001",

    "email": "Positive@Attitude.com",

    "password": "123456",

    "phone": "987965425",

    "userStatus": 1

}

HTTP/1.1 200 OK

Date: Fri, 10 Nov 2023 07:06:01 GMT

Content-Type: application/json

Transfer-Encoding: chunked

Connection: keep-alive

Access-Control-Allow-Origin: *

Access-Control-Allow-Methods: GET, POST, DELETE, PUT

Access-Control-Allow-Headers: Content-Type, api_key, Authorization

X-Expires-After: Fri Nov 10 08:06:01 UTC 2023

X-Rate-Limit: 5000

Server: Jetty(9.2.9.v20150224)

```
{

    "code": 200,

    "type": "unknown",

    "message": "logged in user session:1699599961982"

}
```

PASSED: CourseEndProject.Assignment003004Demo.assignment004login

PASSED: CourseEndProject.Assignment003004Demo.assignment003User

===

    Default test

    Tests run: 2, Failures: 0, Skips: 0

===

===

Default suite

Total tests run: 2, Passes: 2, Failures: 0, Skips: 0

===

===

Assigment5:

```java
package CourseEndProject;

import org.hamcrest.Matchers;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class Assignment005Demo {

    @Test(priority='1')
    public void assignment005FindByStatus()
    {
        RestAssured.given()
        .baseUri("https://petstore.swagger.io/v2/pet/findByStatus")
        //.queryParam("status", "available")
        //.queryParam("status", "pending")
        .queryParam("status", "sold")
        .when()
        .get()
        .then()
        .statusCode(200)
        .log().all()

        ;

    }
```

```java
@Test(priority='2')

public void assignment006Logout()

{

        RestAssured.given()

        .baseUri("https://petstore.swagger.io/v2/user/logout")

        .when()

        .get()

        .then()

        .statusCode(200)

        .log().all()

        .body("code", Matchers.equalTo(200))

        .body("type", Matchers.equalTo("unknown"))

        .body("message", Matchers.equalTo("ok"))

        ;



}



}
```

==

output:

[RemoteTestNG] detected TestNG version 7.7.1

SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".

SLF4J: Defaulting to no-operation (NOP) logger implementation

```
HTTP/1.1 200 OK

Date: Fri, 10 Nov 2023 07:08:13 GMT

Content-Type: application/json

Transfer-Encoding: chunked

Connection: keep-alive

Access-Control-Allow-Origin: *

Access-Control-Allow-Methods: GET, POST, DELETE, PUT

Access-Control-Allow-Headers: Content-Type, api_key, Authorization

Server: Jetty(9.2.9.v20150224)
```

```
[
    {
        "id": 9223372036854775000,
        "name": "Z2I8RG",
        "photoUrls": [

        ],
        "tags": [

        ],
        "status": "sold"
    },
    {
        "id": 9223372036854775057,
        "category": {
            "id": -34705574,
            "name": "consectetur ea fugiat"
        },
```

```
            "name": "doggie",

            "photoUrls": [

                "cillum qui pariatur incididunt",

                "laboris re"

            ],

            "tags": [

                {

                    "id": 8890229,

                    "name": "eu"

                },

                {

                    "id": 19670278,

                    "name": "ipsum Duis anim veniam"

                }

            ],

            "status": "sold"

        },

        {

            "id": 53365508111126,

            "category": {

                "id": 0,

                "name": "string"

            },

            "name": "fish",

            "photoUrls": [

                "string"

            ],

            "tags": [

                {

                    "id": 0,
```

```json
            "name": "string"
        }
    ],
    "status": "sold"
},
{
    "id": 9223372016900018000,
    "category": {
        "id": 0,
        "name": "string"
    },
    "name": "doggie",
    "photoUrls": [
        "string"
    ],
    "tags": [
        {
            "id": 0,
            "name": "string"
        }
    ],
    "status": "sold"
}
]
```
HTTP/1.1 200 OK

Date: Fri, 10 Nov 2023 07:08:14 GMT

Content-Type: application/json

Transfer-Encoding: chunked

Connection: keep-alive

Access-Control-Allow-Origin: *

Access-Control-Allow-Methods: GET, POST, DELETE, PUT

Access-Control-Allow-Headers: Content-Type, api_key, Authorization

Server: Jetty(9.2.9.v20150224)

```
{

    "code": 200,

    "type": "unknown",

    "message": "ok"

}
```

PASSED: CourseEndProject.Assignment005Demo.assignment005FindByStatus

PASSED: CourseEndProject.Assignment005Demo.assignment006Logout


```
===============================================

    Default test

    Tests run: 2, Failures: 0, Skips: 0

===============================================
```



```
===============================================

Default suite

Total tests run: 2, Passes: 2, Failures: 0, Skips: 0

=======================================================================
```

data.json


```
{

    "id": 987,

    "category": {

      "id": 0,

      "name": "string"
```

```
    },

    "name": "duck",

    "photoUrls": [

        "string"

    ],

    "tags": [

        {

            "id": 0,

            "name": "string"

        }

    ],

    "status": "available"

  }
```

===

dataoutput:

```
{

    "id": 987,

    "category": {

        "id": 0,

        "name": "string"

    },

    "name": "duck",

    "photoUrls": [

        "string"

    ],

    "tags": [

        {

            "id": 0,
```

          "name": "string"

        }

      ],

      "status": "available_QA"

    }

===