Code of Non-Functional Testing Using Postman, REST Assured, and JMeter:

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CODE OF RestAssured:
package phaseEndproject;
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;
import testHTTPmethods.Log4J2Demo;
public class Assignment001Post {
      Logger logger = LogManager.getLogger(Assignment001Post.class);
      @Test(priority='1')
      public void assignment001post()
      {
            logger.info(" pahse End project - Assignment001- Post Request");
            File file = new File("resources/data1.json");
            int id = RestAssured.given()
            .baseUri("https://petstore.swagger.io/v2/pet")
            .contentType(ContentType.JSON)
            .body(file)
            .when().post()
            .then().statusCode(200)
            .log().all()
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.body("name", Matchers.equalTo("doggie")).extract().path("id");
      logger.debug(" The status code is checked");
      System.out.println(id);
      logger.info("Id has been captured and printed.");
}
@Test(priority='2',dependsOnMethods= {"assignment001post"})
public void assignment001Get()
{
      String url = "https://petstore.swagger.io/v2/pet/947";
      RestAssured.given()
      .baseUri(url)
      .when().get()
      .then().statusCode(200)
      .log().all()
      .body("status", Matchers.equalTo("available"))
      .body("id", Matchers.equalTo(947));
}
@Test(priority='3',dependsOnMethods= {"assignment001post"})
public void assignment001Delete()
{
      String url = "https://petstore.swagger.io/v2/pet/947";
      RestAssured.given()
      .baseUri(url)
      .when().delete()
      .then().statusCode(200)
      .log().all()
```

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.body("code", Matchers.equalTo(200))
         .body("message", Matchers.equalTo("947"));
    }
}
ASSIGNEMENT002 CODE:
package phaseEndproject;
import java.io.File;
import org.hamcrest.Matchers;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
import io.restassured.http.ContentType;
public class Assignment002
    @Test
    public void post status available()
         File file = new File("resources/data1.json");
         int id = RestAssured.given()
    .baseUri("https://petstore.swagger.io/v2/pet")
                  .contentType (ContentType.JSON)
                  .body(file)
                  .when().post()
                  .then().statusCode(200)
                  .body("name",
Matchers.equalTo("doggie")).extract().path("id");
         System.out.println(id);
    }
    @Test(priority='2')
    public void put status available Dev()
         File file = new File("resources/data-
dev.json");
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int id = RestAssured.given()
    .baseUri("https://petstore.swagger.io/v2/pet")
                  .contentType (ContentType. JSON)
                  .body(file)
                  .when().put()
                  .then().statusCode(200)
                  .body("status",
Matchers.equalTo("available DEV")).extract().path("id
");
         System.out.println(id);
    }
    @Test(priority='3')
    public void put status available QA()
         File file = new File("resources/data-
qa.json");
         int id = RestAssured.given()
    .baseUri("https://petstore.swagger.io/v2/pet")
                  .contentType (ContentType. JSON)
                  .body(file)
                  .when().put()
                  .then().statusCode(200)
                  .body("status",
Matchers.equalTo("available QA")).extract().path("id"
);
         System.out.println(id);
    }
    @Test(priority='4')
    public void put status available Prod()
         File file = new File("resources/data-
prod.json");
         int id = RestAssured.given()
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.baseUri("https://petstore.swagger.io/v2/pet")
                      .contentType (ContentType. JSON)
                      .body(file)
                      .when().put()
                      .then().statusCode(200)
                      .body("status",
Matchers.equalTo("available PROD")).extract().path("i
d");
           System.out.println(id);
     }
ASSIGNEMENT003004005006 CODE:
package phaseEndproject;
import org.hamcrest.Matchers;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
public class Assignement003004005006 {
     //@Test
     public void assignment003()
     {
          String url = "https://petstore.swagger.io/v2/user/user123";
          RestAssured.given()
           .baseUri(url)
          .when().get()
           .then().statusCode(200)
          .log().all()
           .body("username", Matchers.equalTo("user123"))
           .body("email", Matchers.equalTo("user@gmail.com"))
           .body("userStatus", Matchers.equalTo(0));
```

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}
//@Test
public void assignment004()
{
      String url = "https://petstore.swagger.io/v2/user/login";
      RestAssured.given()
      .baseUri(url)
      .auth().preemptive().basic("user123", "user@123")
      .when().get()
      .then().statusCode(200)
      .log().all()
      .body("message", Matchers.anything());
}
//@Test
public void assignment005_available()
{
      String url = "https://petstore.swagger.io/v2/pet/findByStatus";
      RestAssured.given()
      .baseUri(url)
      .queryParam("status", "available")
      .when().get()
      .then().statusCode(200)
      .log().all();
}
//@Test
```

```
public void assignment005_pending()
{
       String url = "https://petstore.swagger.io/v2/pet/findByStatus";
       RestAssured.given()
       .baseUri(url)
       .queryParam("status", "pending")
       .when().get()
       .then().statusCode(200)
       .log().all();
}
//@Test
public void assignment005_sold()
{
       String url = "https://petstore.swagger.io/v2/pet/findByStatus";
       RestAssured.given()
       .baseUri(url)
       .queryParam("status", "sold")
       .when().get()
       .then().statusCode(200)
       .log().all();
}
@Test
public void assignment006()
{
       String url = "https://petstore.swagger.io/v2/user/logout";
       RestAssured.given()
       .baseUri(url)
```

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.when().get()
           .then().statusCode(200)
           .log().all();
     }
}
CODE OF POSTMAN:
POST https://petstore.swagger.io/v2/pet/
"id": 2003,
"category": {
"id": 0,
"name": "string"
},
"name": "Doggie",
"photoUrls": [
"string"
],
"tags": [
 "id": 0,
 "name": "string"
 }
],
"status": "available"
}
PUT CODE <a href="https://petstore.swagger.io/v2/pet/">https://petstore.swagger.io/v2/pet/</a>
  "id": 344,
  "category": {
   "id": 0,
   "name": "string"
  },
  "name": "Doggie",
  "photoUrls": [
   "string"
  ],
  "tags": [
    "id": 0,
    "name": "string"
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         "status": "available DEV"
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