**How to POST Complex request**

Using POJO class we can post complex request

**There are 4 ways we can post a Request**

1. Using JSON-Object we can post Request
2. Using HASHMAP we can post Request
3. Using JSON-File we can post Request
4. Using POJO-class we can post Request
5. Using JSON-Object we can post Request

* In order to post JSONObject in the request Body, make sure “Json-simple & Jackson” dependency should be available in POM.xml

@Test

**public** **void** createProject() {

JSONObject jObject= **new** JSONObject();

jObject.put("createdBy", "deepak");

jObject.put("projectName", "zoho-2");

jObject.put("status", "Created");

jObject.put("teamSize", 10);

*given*()

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

.body(jObject)

.when()

.post("http://localhost:8084/addProject")

.then()

.log().all()

.assertThat().statusCode(201)

.assertThat().contentType(ContentType.***JSON***);

}

1. Using HASH-MAP we can post Request

* In order to post HashMap in the request Body, make sure “jackson” dependency available in POM.xml.

@Test

**public** **void** createProject() {

HashMap map= **new** HashMap();

map.put("createdBy", "deepak");

map.put("projectName", "zoho-2");

map.put("status", "Created");

map.put("teamSize", 10);

*given*()

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

.body(map)

.when()

.post("http://localhost:8084/addProject")

.then()

.log().all()

.assertThat().statusCode(201)

.assertThat().contentType(ContentType.***JSON***);

}

1. Using JSONFile we can post Request

@Test

**public** **void** createProject() {

File fileNAme = **new** File("./Project.json");

*given*()

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

.body(fileNAme)

.when()

.post("http://localhost:8084/addProject")

.then()

.log().all();

}

1. Using POJO-Class we can post Request

POJO [Plan Old Java Object] class is a java service engine where Rest API properties are defined making use of annotations, using POJO class we can achieve sterilization & dieselization (Parsing)

@Test

**public** **void** createProject() {

Project pobj = **new** Project("deepak","MicroSoft-1","Completed",10);

*given*()

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

.body(pobj)

.when()

.post("http://localhost:8084/addProject")

.then()

.log().all();

}