04/22/2018  
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Warm up task:  
Given Content type is Json  
And Limit is 10  
When I send request to Rest API url:  
http://34.223.219.142:1212/ords/hr/regions  
Then I should see following data:  
1 Europe  
2 Americas  
3 Asia  
4 Middle East and Africa  
------------------------------------------------

{  
"items": [  
{  
"region\_id": 1,  
"region\_name": "Europe",  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/regions/1"  
}  
]  
},  
{  
"region\_id": 2,  
"region\_name": "Americas",  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/regions/2"  
}  
]  
},  
{  
"region\_id": 3,  
"region\_name": "Asia",  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/regions/3"  
}  
]  
},  
{  
"region\_id": 4,  
"region\_name": "Middle East and Africa",  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/regions/4"  
}  
]  
}  
],  
"hasMore": false,  
"limit": 25,  
"offset": 0,  
"count": 4,  
"links": [  
{  
"rel": "self",  
"href": "http://34.223.219.142:1212/ords/hr/regions/"  
},  
{  
"rel": "edit",  
"href": "http://34.223.219.142:1212/ords/hr/regions/"  
},  
{  
"rel": "describedby",  
"href": "http://34.223.219.142:1212/ords/hr/metadata-catalog/regions/"  
},  
{  
"rel": "first",  
"href": "http://34.223.219.142:1212/ords/hr/regions/"  
}  
]  
}  
====================================

HTTP METHODS:  
GET -> READ  
POST -> CREATE  
PUT -> UPDATE  
DELETE -> REMOVE

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{  
"region\_id" : 5,  
"region\_name" : "murodil's region"  
}

POST SCENARIO:

given content type is Json  
And Accept type is Json  
When I send POST request to   
http://34.223.219.142:1212/ords/hr/regions  
with request body :  
{  
"region\_id" : 5,  
"region\_name" : "murodil's region"  
}  
Then status code should be 200  
And response body should match request body

{"region\_id" : 5,"region\_name" : "murodil's region"}  
======================

Map requestMap = new HashMap<>();  
requestMap.put("region\_id", 555);  
requestMap.put("region\_name", "murodil's region");

Response response = given().accept(ContentType.JSON)  
.and().contentType(ContentType.JSON)  
.and().body(requestMap)  
.when().post(url);

System.out.println(response.statusLine());  
response.prettyPrint();

MAP -> JAVA OBJECT  
When we send post request , what do we send in request body?

JSON request body.

JAVA OBJECT --> JSON

HASHMAP -> JSON  
Serialization

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During regression/smoke testing we post everytime, if some some unique value id is already used how to we re-run our tests?

1) RUN POST TEST AND DELETE AT THE END WHATEVER YOU POSTED  
2) RANDOMLY GENERATE UNIQUE VALUES FOR THE TEST  
3) DELETE FROM DATABASE FIRST USING SQL THEN RUN POST TESTS  
3) DELETE FROM DATABASE FIRST USING DELETE API METHOD THEN RUN POST TESTS  
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CUSTOM JAVA CLASSES TO MATCH OUR JSON REQUEST AND RESPONSE.

POJO -> Plain Old Java Object  
BEANS is another name

{  
"region\_id" : 5,  
"region\_name" : "murodil's region"  
}

public class Region{  
private int region\_id;  
private String region\_name;

public void setRegion\_id(int region\_id) {  
this.region\_id = region\_id;  
}

public void setRegion\_name(String region\_name) {  
this.region\_name = region\_name;  
}

public int getRegion\_id(){  
return region\_id;  
}  
public String getRegion\_name() {  
return region\_name;  
}

}

REGION CLASS -> REQUEST JSON BODY

REGIONRESPONSE CLASS -> RESPONSE JSON BODY

given content type is Json  
And Accept type is Json  
When I send POST request to   
http://34.223.219.142:1212/ords/hr/countries/  
with request body :  
{  
"country\_id": "AR",  
"country\_name": "Argentina",  
"region\_id": 2  
}

Then status code should be 200  
And response body should match request body  
=======================