



BE QA Automation - Exercise:

1. Create new Java project based on Maven and TestNG
2. For each of the following API's please print the request and response (body and headers)
3. Call for the following API requests using JSON (HTTP request with any HTTP client library) :

Request:

Post: https://api.frs1.ott.kaltura.com/api_v3/service/ottuser/action/register

```
{
  "apiVersion": "6.0.0",
  "partnerId": 3197,
  "user": {
    "objectType": "KalturaOTTUser",
    "username": "QATest_15851304173132",
    "firstName": "ott_user_IWkiwzTJJGYI",
    "lastName": "1585130417330",
    "email": "QATest_1585130417313@mailinator.com",
    "address": "ott_user_IWkiwzTJJGYI fake address",
    "city": "ott_user_IWkiwzTJJGYI fake city",
    "countryId": 5,
    "externalId": "3164004122"
  },
  "password": "password_SILVWDLI"
}
```

Valid Response:

```
{
  "executionTime": 0.0251053,
  "result": {
    "objectType": "KalturaOTTUser",
    "firstName": "ott_user_IWkiwzTJJGYI",
    "id": "1297449",
    "lastName": "1585130417330",
    "username": "QATest_15851304173132",
    "address": "ott_user_IWkiwzTJJGYI fake address",
    "city": "ott_user_IWkiwzTJJGYI fake city",
    "country": {
      "objectType": "KalturaCountry",
      "code": "",
      "id": 5,

```

```

        "name": ""
    },
    "countryId": 5,
    "createDate": 0,
    "dynamicData": {},
    "email": "QATest_1585130417313@mailinator.com",
    "externalId": "3164004121",
    "failedLoginCount": 0,
    "householdId": 0,
    "isHouseholdMaster": false,
    "lastLoginDate": -62135596800,
    "roleIds": "1",
    "suspensionState": "NOT_SUSPENDED",
    "suspensionState": "not_suspended",
    "updateDate": 0,
    "userState": "user_with_no_household",
    "userType": {
        "objectType": "KalturaOTTUserType",
        "description": ""
    }
}
}
}

```

4. This API creates a new user in the BE.

Please print the following in the output console :

- API request/response body and headers
- Assertion of existence of any response header (pick one)
- Assertion if "Id" field exist and if it is of type string
- Assertion if "countryId" field exist and if it is of type integer

5. Call for additional API request for login

Please use the following parameters :

Username = username from the previous register request

Password = password from the previous register request

Request:

Post: https://api.frs1.ott.kaltura.com/api_v3/service/ottuser/action/login

```
{
  "apiVersion": "6.0.0",
  "partnerId": 3197,
  "username": "",
  "password": "",
  "extraParams": {}
}
```

Valid Response:

```
{
  "executionTime": 0.2358778,
  "result": {
    "objectType": "KalturaLoginResponse",
    "loginSession": {
      "objectType": "KalturaLoginSession",
      "expiry": 1586708550,
      "ks": "djJ8MzE5N3yijDIgREVOH-ruNBTdmrRczsFtEAQuWqpN3LzPs7m-L9_u3XqcfZ_ecIlg7uW-
tjIOlykTFgundkcfvU6D6LrkJ3TjqlvL3WmrOD895b1HPW03E2qLZAE3xhgIVJ-2-
cXOkAFh6ruiX6qUFsKGxufct0pda5LYbjrgzdfm7KZ2KZ9lzVI5MMvWLZyPO8whpqBc149WVViMNTvv8ILnCG
9FEn_gAgbnwFECm39kZTsj1kzj80DoN0vw9bQXmATAt15vgg3dGJytVo7Y6A4BBHYmayHerbFOop7vtz3qhkbeF
8KYx_b035HfjUv5EXSGsM10jesX2PI7y0JsY9Nh7A",
      "refreshToken": "93b5d327cdb94f0e8aa40bb9d5efe5f8"
    },
    "user": {
      "objectType": "KalturaOTTUser",
      "firstName": "ott_user_IWkiwzTJJGYI",
      "id": "1297449",
      "lastName": "1585130417330",
      "username": "QATest_15851304173131",
      "address": "ott_user_IWkiwzTJJGYI fake address",
      "affiliateCode": "",
      "city": "ott_user_IWkiwzTJJGYI fake city",
      "country": {
        "objectType": "KalturaCountry",
        "code": "BM",
        "id": 5,
        "name": "Bermuda"
      },
      "countryId": 5,
      "createDate": 1586077720,
      "dynamicData": {}
    }
  }
}
```

```

    "email": "QATest_1585130417313@mailinator.com",
    "externalId": "3164004121",
    "facebookId": "",
    "facebookImage": "",
    "facebookToken": "",
    "failedLoginCount": 0,
    "householdId": 0,
    "isHouseholdMaster": false,
    "lastLoginDate": 1586101043,
    "phone": "",
    "roleIds": "1",
    "suspensionState": "NOT_SUSPENDED",
    "suspentionState": "not_suspended",
    "updateDate": 1586077720,
    "userState": "ok",
    "userType": {
      "objectType": "KalturaOTTUserType",
      "description": ""
    },
    "zip": ""
  }
}

```

6. Please print the following in the output console :
 - API request/response body and headers
 - Assertion if "lastLoginDate" exist and present it as valid Date value (any format)
7. Call for ottuser/action/register API again with the same parameters
 Please print the following in the output console :
 - API request/response body and headers
 - Catch the error and print it

Feel free to contact me for any question: tomer.rabinowicz@kaltura.com