

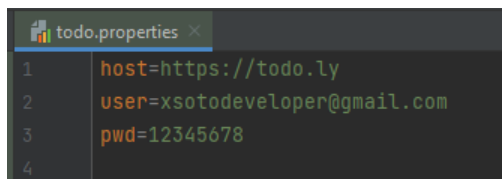
AUTOMATIZACION II / REST API

EJERCICIO 2

1. Crear un documento PDF con capturas de pantalla realizando paso a paso la automatización
 - a. Utilizar el api de todo.ly <http://todo.ly/apiwiki/?items>
 - b. Realizar creación, lectura, actualización y eliminación utilizando restassured

Solución. -

1. Archivo de configuración. - En el archivo *todo.properties* se realiza la configuración de la URL del API, así como también las credenciales de acceso para el consumo de los métodos expertos.
 - HOST API
 - Credenciales de acceso
 - User
 - Password



```
1 host=https://todo.ly
2 user=xsotodeveloper@gmail.com
3 pwd=12345678
4
```

2. En la clase *ItemTest* ubicado en el paquete *testClean*, se desarrolla la creación, lectura, actualización y eliminación del ITEM utilizando restassured

a. Creación

```
25 // CREATE ITEM (creación)
26 body.put(ApiConfiguration.CONTENT,ApiConfiguration.NEW.concat(now));
27 requestInfo.setUrl(ApiConfiguration.CREATE_ITEM);
28 requestInfo.setBody(body.toString());
29 response= FactoryRequest.make(ApiConfiguration.POST).send(requestInfo);
30 response.then().body(ApiConfiguration.CONTENT,equalTo(body.get(ApiConfiguration.CONTENT))).statusCode(200);
```

b. Actualización

```
32 // UPDATE ITEM (actualización)
33 int idItem =response.then().extract().path("Id");
34 body.put(ApiConfiguration.CONTENT,ApiConfiguration.UPDATE.concat(now));
35 requestInfo.setUrl(String.format(ApiConfiguration.UPDATE_ITEM,idItem));
36 requestInfo.setBody(body.toString());
37 response= FactoryRequest.make(ApiConfiguration.PUT).send(requestInfo);
38 response.then().body(ApiConfiguration.CONTENT,equalTo(body.get(ApiConfiguration.CONTENT))).statusCode(200);
```

c. Lectura

```
40 // READ ITEM (lectura)
41 requestInfo.setUrl(String.format(ApiConfiguration.READ_ITEM,idItem));
42 requestInfo.setBody(body.toString());
43 response= FactoryRequest.make(ApiConfiguration.GET).send(requestInfo);
44 response.then().body(ApiConfiguration.CONTENT,equalTo(body.get(ApiConfiguration.CONTENT))).statusCode(200);
```

d. Eliminación

```
46 // DELETE ITEM (eliminación)
47 requestInfo.setUrl(String.format(ApiConfiguration.DELETE_ITEM,idItem));
48 requestInfo.setBody(body.toString());
49 response= FactoryRequest.make(ApiConfiguration.DELETE).send(requestInfo);
50 response.then().body(ApiConfiguration.CONTENT,equalTo(body.get(ApiConfiguration.CONTENT))).statusCode(200);
```

e. Ejecución del Test

```
ItemTest.verifyCRUDItem (1)
Tests passed: 1 of 1 test - 14 sec 474 ms
Test Results 14 sec 474 ms
Request method: POST
Request URI: https://todo.ly/api/items.json
Proxy: <none>
Request params: <none>
Query params: <none>
Form params: <none>
Path params: <none>
Headers: Authorization=Basic eHNvdG9kZXZlbG9wZXJAZ21haWwY29tOjEyMzQ1Njc4
Accept=/*/*
Content-Type=text/plain; charset=ISO-8859-1
Cookies: <none>
Multiparts: <none>
Body: {"Content":"newItemFactory->221016225257"}
HTTP/1.1 200 OK
Cache-Control: no-cache, no-store, must-revalidate
Pragma: no-cache
Content-Type: application/json; charset=utf-8
Expires: -1
Server: Microsoft-IIS/8.0
Set-Cookie: ASP.NET_SessionId=uvpl14un1oex4fvdqlmfryn0; path=/; HttpOnly; SameSite=Lax
X-AspNetMvc-Version: 2.0
X-AspNet-Version: 4.0.30319
X-Powered-By: ASP.NET
```

```
ItemTest.verifyCRUDItem (1)
Tests passed: 1 of 1 test - 14 sec 474 ms
Test Results 14 sec 474 ms
Request method: PUT
Request URI: https://todo.ly/api/items/11067843.json
Proxy: <none>
Request params: <none>
Query params: <none>
Form params: <none>
Path params: <none>
Headers: Authorization=Basic eHNvdG9kZXZlbG9wZXJAZ21haWwY29tOjEyMzQ1Njc4
Accept=/*/*
Content-Type=text/plain; charset=ISO-8859-1
Cookies: <none>
Multiparts: <none>
Body: {"Content":"updateItemFactory->221016225257"}
HTTP/1.1 200 OK
Cache-Control: no-cache, no-store, must-revalidate
Pragma: no-cache
Content-Type: application/json; charset=utf-8
Expires: -1
Server: Microsoft-IIS/8.0
Set-Cookie: ASP.NET_SessionId=ttn13rs2wkgpdmL23zioujp; path=/; HttpOnly; SameSite=Lax
X-AspNetMvc-Version: 2.0
X-AspNet-Version: 4.0.30319
X-Powered-By: ASP.NET
```

```
ItemTest.verifyCRUDItem (1)
Tests passed: 1 of 1 test - 14 sec 474 ms
Test Results 14 sec 474 ms
Request method: GET
Request URI: https://todo.ly/api/items/11067843.json
Proxy: <none>
Request params: <none>
Query params: <none>
Form params: <none>
Path params: <none>
Headers: Authorization=Basic eHNvdG9kZXZlbG9wZXJAZ21haWwY29tOjEyMzQ1Njc4
Accept=/*/*
Cookies: <none>
Multiparts: <none>
Body: <none>
HTTP/1.1 200 OK
Cache-Control: no-cache, no-store, must-revalidate
Pragma: no-cache
Content-Type: application/json; charset=utf-8
Expires: -1
Server: Microsoft-IIS/8.0
Set-Cookie: ASP.NET_SessionId=u5pwfugafoqepxr0xpxlahno; path=/; HttpOnly; SameSite=Lax
X-AspNetMvc-Version: 2.0
X-AspNet-Version: 4.0.30319
X-Powered-By: ASP.NET
Date: Mon, 17 Oct 2022 02:52:57 GMT
Content-Length: 557
```

```
ItemTest.verifyCRUDItem (1) x
Tests passed: 1 of 1 test - 14 sec 474 ms
Test Results 14 sec 474 ms
Request method: DELETE
Request URI: https://todo.ly/api/items/11067843.json
Proxy: <none>
Request params: <none>
Query params: <none>
Form params: <none>
Path params: <none>
Headers: Authorization=Basic eHNvdG9kZXZlbG9wZXJAZ21haWwvY29tOjEyMzQ1Njc4
Accept= */*
Cookies: <none>
Multiparts: <none>
Body: <none>
HTTP/1.1 200 OK
Cache-Control: no-cache, no-store, must-revalidate
Pragma: no-cache
Content-Type: application/json; charset=utf-8
Expires: -1
Server: Microsoft-IIS/8.0
Set-Cookie: ASP.NET_SessionId=xez4nzgfbgpn3kvsyy5yyiqx; path=/; HttpOnly; SameSite=Lax
X-AspNetMvc-Version: 2.0
X-AspNet-Version: 4.0.30319
X-Powered-By: ASP.NET
Date: Mon, 17 Oct 2022 02:52:59 GMT
Content-Length: 556
```

```
ItemTest.verifyCRUDItem (1) x
Tests passed: 1 of 1 test - 14 sec 474 ms
Test Results 14 sec 474 ms
{
  "DateString": null,
  "DateStringPriority": 0,
  "DueDate": "",
  "Recurrence": null,
  "ItemOrder": null,
  "Priority": 4,
  "LastSyncedDateTime": "/Date(1665975179140)/",
  "Children": [
  ],
  "DueDateTime": null,
  "CreatedDate": "/Date(1665975173230)/",
  "LastCheckedDate": null,
  "LastUpdatedDate": "/Date(1665975179140)/",
  "Deleted": true,
  "Notes": "",
  "InHistory": false,
  "SyncClientCreationId": null,
  "DueTimeSpecified": true,
  "OwnerId": 705831
}
BUILD SUCCESSFUL in 34s
3 actionable tasks: 3 executed
22:53:12: Execution finished 'test --tests "testClean.ItemTest.verifyCRUDItem"'
```

f. Listado de Ítems generados

iPhone App | Upgrade to Pro | Settings | Logout

Todo.ly

Filters

Inbox

31

Today

Next

Projects

Work

5

Sub Project

Home

Study

Personal

Shopping List

Add New Project

Recycle Bin

3

Inbox

31

NewItem

NewItem

UpdateItem-221016183513-0400

ITEM-JSON-SCHEMA2

XIM-JSON

ITEM-JSON-SCHEMA

ITEM-JSON-SCHEMA1

NewItem-221016184414-0400

updateItemFactory-221016195204

newItemFactory-221016195515

Set Due Date

updateItemFactory->221016195721

updateItemFactory-221016194725-0400

UpdateItem-221016184635-0400

UpdateItem-factory-221016192756-0400

updateItemFactory-221016194327-0400

XIM-JSON

Xime verify JSON .P

Sunday, October 16, 2022 | 10:38 PM

Refresh

Print

Sort By: Order | Notes: Hidden

2. Subir el código a un repositorio de versionador de código o comprimir u subir el proyecto

El código fuente se encuentra versionado en la siguiente dirección:

- o <https://github.com/xsoto-developer/apiAutomation>