**The repository Automation\_Jan2021 contains folder structure as follows-**

**1. Resources**

I) Resources.robot

( Libraries , Variables, Keywords )

**2. TestCases\_GET** (Contains the Test cases)

The folder contains the following Test Suites and Test Cases.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr No.** | **Test Suite** | **Test Case** | **Test Case Execution Command** |
| 1 | TC\_POSTS |  | robot TC\_POSTS.robot |
| 1.1 |  | TC\_01\_Validate\_Headers | robot -t TC\_01\_Validate\_Headers TC\_POSTS.robot |
| 1.2 |  | TC\_02\_Validate\_Status\_Code | robot -t TC\_02\_Validate\_Status\_Code TC\_POSTS.robot |
| 1.3 |  | TC\_03\_Validate\_Cookies | robot -t TC\_03\_Validate\_Cookies TC\_POSTS.robot |
| 1.4 |  | TC\_04\_Validate\_Response | robot -t TC\_04\_Validate\_Response TC\_POSTS.robot |
|  |  |  |  |
| 2 | TC\_POSTS\_1 |  | robot TC\_POSTS\_1.robot |
| 2.1 |  | TC\_05\_Validate\_Headers | robot -t TC\_05\_Validate\_Headers TC\_POSTS\_1.robot |
| 2.2 |  | TC\_06\_Validate\_Status\_Code | robot -t TC\_06\_Validate\_Status\_Code TC\_POSTS\_1.robot |
| 2.3 |  | TC\_07\_Validate\_Cookies | robot -t TC\_07\_Validate\_Cookies TC\_POSTS\_1.robot |
| 2.4 |  | TC\_08\_Validate\_Response | robot -t TC\_08\_Validate\_Response TC\_POSTS\_1.robot |
|  |  |  |  |
| 3 | TC\_POSTS\_1\_COMMENTS |  | robot TC\_POSTS\_1\_COMMENTS.robot |
| 3.1. |  | TC\_09\_Validate\_Headers | robot -t TC\_09\_Validate\_Headers TC\_POSTS\_1\_COMMENTS.robot |
| 3.2 |  | TC\_10\_Validate\_Status\_Code | robot -t TC\_10\_Validate\_Status\_Code TC\_POSTS\_1\_COMMENTS.robot |
| 3.3 |  | TC\_11\_Validate\_Cookies | robot -t TC\_11\_Validate\_Cookies TC\_POSTS\_1\_COMMENTS.robot |
| 3.4 |  | TC\_12\_Validate\_Response | robot -t TC\_12\_Validate\_Response TC\_POSTS\_1\_COMMENTS.robot |
|  |  |  |  |
| 4 | TC\_COMMENTS\_POST\_ID |  | robot TC\_COMMENTS\_POST\_ID.robot |
| 4.1 |  | TC\_13\_Validate\_Headers | robot -t TC\_13\_Validate\_Headers TC\_COMMENTS\_POST\_ID.robot |
| 4.2 |  | TC\_14\_Validate\_Status\_Code | robot -t TC\_14\_Validate\_Status\_Code TC\_COMMENTS\_POST\_ID.robot |
| 4.3 |  | TC\_15\_Validate\_Cookies | robot -t TC\_15\_Validate\_Cookies TC\_COMMENTS\_POST\_ID.robot |
| 4.4 |  | TC\_16\_Validate\_Response | robot -t TC\_16\_Validate\_Response TC\_COMMENTS\_POST\_ID.robot |

1. **Report**

The Report folder contains the Report.html file for the test run for all the 16 test cases.

**Command used:**  robot -r ./Report/Report.html -i APIValidation TestCases\_GET

**For running all the test cases in all the suites, the execution command with the Force Tags can be used as-**

robot -i APIValidation TestCases\_GET

**Validations done in Test cases are -**

1) Validating the header as Content-Type = application/json.

2) Validating the status code as 200.

3) Validating Cookie as "\_\_cfduid"

4) Validating the response contents as number keys present in each element and the values for the keys should not be Empty.

Validations are done for HTTP GET requests against the end points mentioned in the POSTS routes of <http://jsonplaceholder.typicode.com>

1. /posts
2. /posts/1
3. /posts/1/comments
4. /comments?postId=1