

API Test Automation - Coding challenge

Rules

1. Choose any coding language of your choice
2. Automate tests to run across all platforms
3. Push your code to Github and share repository url
4. README.md with all steps to execute the tests
5. Expecting clean code with comments
6. Generate user friendly HTML test report

APIs need to be automated

GET service

<https://jsonplaceholder.typicode.com/posts>

- verify that status code is 200
- verify the schema
- verify that API returns at least 100 records

<https://jsonplaceholder.typicode.com/posts/1>

- verify that status code is 200
- verify the schema
- verify that API returns only one record
- verify that id in response matches the input (1)

<https://jsonplaceholder.typicode.com/invalidposts>

- verify that status code is 404
- log the complete request and response details for troubleshooting

POST service

<https://jsonplaceholder.typicode.com/posts>

```
body = {  
  "title": "foo",  
  "body": "bar",  
  "userId": 1  
}
```

send body as string

- verify that status code is 201

- verify the schema
- verify the record created

PUT service

<https://jsonplaceholder.typicode.com/posts/1>

```
body = {  
  "id": 1,  
  "title": "abc",  
  "body": "xyz",  
  "userId": 1  
}
```

send body as JSON

- verify that status code is 200
- verify the schema
- verify the record updated

DELETE service

<https://jsonplaceholder.typicode.com/posts/1>

- verify that status code is 200
- verify the response

Note: for all requests use following headers

content/type = application/json

charset = UTF-8

Reference:

<https://jsonplaceholder.typicode.com/>