

## Software Test Automation Engineer Task

This is a simple REST API for testing and prototyping: <https://jsonplaceholder.typicode.com/guide/>  
It supports following resources:

<a href="https://jsonplaceholder.typicode.com/posts">https://jsonplaceholder.typicode.com/posts</a>	100 posts
<a href="https://jsonplaceholder.typicode.com/comments">https://jsonplaceholder.typicode.com/comments</a>	500 comments
<a href="https://jsonplaceholder.typicode.com/albums">https://jsonplaceholder.typicode.com/albums</a>	100 albums
<a href="https://jsonplaceholder.typicode.com/photos">https://jsonplaceholder.typicode.com/photos</a>	5000 photos
<a href="https://jsonplaceholder.typicode.com/todos">https://jsonplaceholder.typicode.com/todos</a>	200 todos
<a href="https://jsonplaceholder.typicode.com/users">https://jsonplaceholder.typicode.com/users</a>	10 users

All HTTP methods are supported. You can use http or https for your requests.

Method	Example
GET	<a href="https://jsonplaceholder.typicode.com/posts">https://jsonplaceholder.typicode.com/posts</a>
GET	<a href="https://jsonplaceholder.typicode.com/posts/1">https://jsonplaceholder.typicode.com/posts/1</a>
GET	<a href="https://jsonplaceholder.typicode.com/posts/1/comments">https://jsonplaceholder.typicode.com/posts/1/comments</a>
GET	<a href="https://jsonplaceholder.typicode.com/comments?postId=1">https://jsonplaceholder.typicode.com/comments?postId=1</a>
POST	<a href="https://jsonplaceholder.typicode.com/posts">https://jsonplaceholder.typicode.com/posts</a> Sample Request Body: {"title":"foo","body":"bar","userId":1}
PUT	<a href="https://jsonplaceholder.typicode.com/posts/1">https://jsonplaceholder.typicode.com/posts/1</a> Sample Request Body: {"id":1,"title":"foo","body":"bar","userId":1}
PATCH	<a href="https://jsonplaceholder.typicode.com/posts/1">https://jsonplaceholder.typicode.com/posts/1</a> Sample Request Body: {"title":"foo1"}
DELETE	<a href="https://jsonplaceholder.typicode.com/posts/1">https://jsonplaceholder.typicode.com/posts/1</a>

The available nested routes are:

<https://jsonplaceholder.typicode.com/posts/1/comments>  
<https://jsonplaceholder.typicode.com/albums/1/photos>  
<https://jsonplaceholder.typicode.com/users/1/albums>  
<https://jsonplaceholder.typicode.com/users/1/todos>  
<https://jsonplaceholder.typicode.com/users/1/posts>

You can find more information here: <https://jsonplaceholder.typicode.com> and  
<https://github.com/typicode/jsonplaceholder>

### Instructions:

- Write test scripts to validate the API for all supported methods in your preferred programming language.
- Tests should cover all possible metrics for API validation. (ex. status code, response body etc.)
- You can choose any test framework that you are comfortable with.
- You can choose any tool to generate final test reports.
- The source code and the results need to be saved in a shareable repository. You can choose any free version control software (ex. GitHub, Bitbucket, Perforce, Subversion etc.)

### Expected output

- A summary of testing - how did you approach the solution and what all was considered
- Test scripts
- Test/Bug Report

Please complete the task within a week. In case you need more time, please let us know feel free to contact us if you have any questions.