

[En] Level 2. REST API (GET/POST)

Goal	Getting basic practical skills for Rest API Automation		
Programming language	Java, C#, Python, JS		
Required skills	Communication		
Estimate, h	11		
Task description	API - https://jsonplaceholder.typicode.com .		
	#	Step	Expected results
			Example
1	Send GET Request to get all posts [/posts].	Status code is 200. The list in response body is json. Posts are sorted ascending [by id].	<pre>[{ "userId": 1, "id": 1, "title": "sunt aut facere repellat provident occaecati exceptu ", "body": "quia et suscipit\nsuscipit recusandae consequuntur ex ", }, { "userId": 1, "id": 2, "title": "qui est esse", "body": "est rerum tempore vitae\nsequi sint nihil reprehender ", }, { "userId": 1, "id": 3, "title": "ea molestias quasi exercitationem repellat qui ipsa ", "body": "et iusto sed quo iure\nvoluptatem occaecati omnis eli ", }, { "userId": 1, "id": 4, "title": "eum et est occaecati", "body": "ullam et saepe reiciendis voluptatem adipisci\nsit am ", }, }</pre>
2	Send GET request to get post with id=99 [/posts/99].	Status code is 200. Post information is correct: userId is 10, id is 99, title and body aren't empty.	<pre>{ "userId": 10, "id": 99, "title": "temporibus sit alias delectus eligendi possimus magni", "body": "quo deleniti praesentium dicta non quod\naut est molestias "</pre>
3	Send GET request to get post with id=150 [/posts/150].	Status code is 404. Response body is empty.	<pre>{}</pre>

4	Send POST request to create post with userId=1 and random body and random title (/posts).	Status code is 201. Post information is correct: title, body, userId match data from request, id is present in response.	<pre>{ "title": "AlexExample", "body": "example_body", "userId": 1, "id": 101 }</pre>
5	Send GET request to get users (/users).	Status code is 200. The list in response body is json. User (id=5) data equals to: name: Chelsey Dietrich username: Kamren email: Lucio_Hettinger@annie.ca address: { street: Skiles Walks suite: Suite 351 city: Roscoeview zipcode: 33263 geo: { lat: -31.8129 lng: 62.5342 } }, phone: (254)954-1289 website: demarco.info company: { name: Keebler LLC catchPhrase: User-centric fault-tolerant solution bs: revolutionize end-to-end systems } },	<pre>{ "id": 5, "name": "Chelsey Dietrich", "username": "Kamren", "email": "Lucio_Hettinger@annie.ca", "address": { "street": "Skiles Walks", "suite": "Suite 351", "city": "Roscoeview", "zipcode": "33263", "geo": { "lat": "-31.8129", "lng": "62.5342" } }, "phone": "(254)954-1289", "website": "demarco.info", "company": { "name": "Keebler LLC", "catchPhrase": "User-centric fault-tolerant solution", "bs": "revolutionize end-to-end systems" } },</pre>

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6	Send GET request to get user with id=5 [/users/5].	Status code is 200 . User data matches with user data in the previous step.	<pre> { "id": 5, "name": "Chelsey Dietrich", "username": "Kamren", "email": "Lucio_Hettinger@annie.ca", "address": { "street": "Skiles Walks", "suite": "Suite 351", "city": "Roscoeview", "zipcode": "33263", "geo": { "lat": "-31.8129", "lng": "62.5342" } }, "phone": "(254)954-1289", "website": "demarco.info", "company": { "name": "Keebler LLC", "catchPhrase": "User-centric fault-tolerant solution", "bs": "revolutionize end-to-end systems" } } </pre>	
Require ments	<ul style="list-style-type: none"> • API Utils classes/methods are universal. • Data isn't hardcoded. • Models are implemented 			
Useful links	API method (routes) description			