

REST API Exploration Activity

Instructions:

1. **Guess the Data:** Before making the request, guess what data you will get back. Be specific about the attributes and the values you expect.
2. **Make the Request:** Use Postman to make the request.
3. **Compare the Data:** Compare the actual data with your guess. Write down the differences and similarities.
4. **Break Down the URL:** Explain what each part of the URL means.
5. **For POST/PUT Requests:** Identify what payload is needed and explain its structure.

Endpoints

Simple GET Requests

1. **Endpoint:** `http://localhost:3000/products`
2. **Endpoint:** `http://localhost:3000/products/1`
3. **Endpoint:** `http://localhost:3000/users`
4. **Endpoint:** `http://localhost:3000/users/2`
5. **Endpoint:** `http://localhost:3000/reviews`
6. **Endpoint:** `http://localhost:3000/reviews/3`
7. **Endpoint:** `http://localhost:3000/orders`
8. **Endpoint:** `http://localhost:3000/orders/1`

GET Requests with Query Parameters

9. **Endpoint:**
`http://localhost:3000/products?category=Kitchen`
10. **Endpoint:**
`http://localhost:3000/products?price_lte=100`
11. **Endpoint:**
`http://localhost:3000/products?_sort=price&_order=asc`
12. **Endpoint:**
`http://localhost:3000/products?category=Electronics&price_gte=100&_sort=price&_order=asc`

13.Endpoint:

`http://localhost:3000/users?email=alice@example.com`

14.Endpoint: `http://localhost:3000/reviews?rating_gte=4`

15.Endpoint: `http://localhost:3000/orders?status=shipped`

POST Requests

18.Endpoint: `http://localhost:3000/products`

- **Task:** Identify the payload needed to add a new product. Make the request and compare the actual response with your expectation.

19.Endpoint: `http://localhost:3000/users`

- **Task:** Identify the payload needed to add a new user. Make the request and compare the actual response with your expectation.

20.Endpoint: `http://localhost:3000/reviews`

- **Task:** Identify the payload needed to add a new review. Make the request and compare the actual response with your expectation.

PUT Requests

21.Endpoint: `http://localhost:3000/products/1`

- **Task:** Identify the payload needed to update the product with `id=1`. Make the request and compare the actual response with your expectation.

22.Endpoint: `http://localhost:3000/users/1`

- **Task:** Identify the payload needed to update the user with `id=1`. Make the request and compare the actual response with your expectation.

23.Endpoint: `http://localhost:3000/reviews/1`

- **Task:** Identify the payload needed to update the review with `id=1`. Make the request and compare the actual response with your expectation.

DELETE Requests

24.Endpoint: `http://localhost:3000/products/1`

- **Task:** Guess what response you will get. Make the request and compare the actual response with your expectation.

25.Endpoint: `http://localhost:3000/users/1`

- **Task:** Guess what response you will get. Make the request and compare the actual response with your expectation.