

- 1) When sending a GET request to the server, I received the following response: "Error: response status is 404". At the top, the curl command used for the HTTP request was displayed. The response body, formatted in JSON, provided additional details about the error. Below this, a section visualized what a successful response would look like (code 200).
- 2) The 404-status code means that the requested resource was not found on the server. In this case, it signifies that the pet with ID 0 does not exist in the database.
- 3) The response body included the following fields:

Code: 1 > represents the error code

Type: error > indicates that this is an error response

Message: pet not found > provides specific details about the error.

- 4) Following the instructions in step 7, I modified the name and status fields to "dog" and "not\_available", respectively.
- 5) As usual, the curl command was used to send a POST request to the Swagger Petstore API, requesting the creation of a new pet entry. However, the response was undocumented - ideally, it should have returned a 201 Created status code instead of 200 OK. Additionally, while the pet was created, the ID changed from 0 to 9223372036854776000, which was automatically generated as a unique ID, replacing the input value of 0. Furthermore, the status value "not\_available" should have caused the server to return a 405 (Invalid Input) error, yet the request was processed successfully, indicating a potential inconsistency in input validation.
- 6) Since I received an HTTP 200 OK response, it confirms that the request was successfully sent, and a response was returned.
- 7) The /pet endpoint is used with the POST and PUT methods:
  - POST /pet → Creates a new pet entry.
  - PUT /pet → Updates an existing pet.

The /pet/{petId} endpoint is used with the GET and DELETE methods:

  - GET /pet/{petId} → Retrieves a specific pet by ID.
  - DELETE /pet/{petId} → Removes a pet from the database.
- 8) It might be caused by multiple factors, including:
  - The requested resource does not exist in the database
  - incorrect URL in the request

- Incorrect HTTP method for the URL
- A server misconfiguration preventing the request from being processed correctly

9) I sent an HTTP request to the /store/order endpoint, which is used to place an order for a pet in the Pet Store API. To process the request, the following details are required:

- Pet ID
- Quantity
- Shipping Date

10) Swagger UI is an excellent tool for API developers as it provides:

- API Documentation
- Interactive Testing
- User-Friendly Interface
- Error Handling insights useful for Debugging Process