Using JSON | Lesson 3

Practice: JSON API Explorer

Instructions

You will add interaction with a public API to the small web application in this https://github.com/LaunchCodeEducation/json-api-explorer Github repo by sending and receiving JSON data using the `fetch()` method in JavaScript. This activity reinforces how to:

- Make HTTP GET and POST requests
- Parse and display JSON responses
- Handle errors and loading states in asynchronous code
- Build user interfaces that reflect dynamic data

Tasks

1. Fetch and Display Posts

- Use `fetch()` to retrieve a list of posts from `https://jsonplaceholder.typicode.com/posts`
- Convert the response to JSON
- Dynamically render the post titles and bodies inside the `#postList` div

2. Create and Send a New Post

- Add a form with `title` and `body` fields
- Use `fetch()` with the POST method to send the data as JSON to the API
- Show a confirmation message with the response data

3. Add Loading and Error States

- Show a “Loading...” message while the fetch is in progress
- Display an error message if the fetch fails

Deliverables:

- A working fetch call that loads and displays posts

- A functional form that submits data via POST
- Error handling and user feedback (e.g., loading spinner or error messages)
- Clean and well-commented JavaScript code

💡 **Extensions**

- Allow users to delete posts using a DELETE request
- Allow users to filter posts by keyword using an input field
    - Use `async/await` instead of `.then()`

Setup

1. As you work on this tasks, you will need to use the free JSONPlaceholder API: https://jsonplaceholder.typicode.com/
    - GET endpoint: `/posts` — Retrieve a list of posts
    - POST endpoint: `/posts` — Submit a new post (mocked — no real data is created)
2. Make sure you follow all of these steps when you complete work in our GitHub repos:
    - Fork the repo.
    - Clone the repository to your local machine.
    - Start working on the code.
    - When you are finished, commit your changes and push them to your fork.

Submission

Submit the url for your GitHub repo in the field below.