

Homework

In this homework we are going to create a basic web application which can send HTTP requests and display their result. For this purpose we are going to use the already familiar REST API: <https://jsonplaceholder.typicode.com/guide/>.

Note: This is only a playground API, your request's response will be properly mocked but you won't modify the actual data on the server. For example if you modify a post's title then the response will contain the modified values, but a list operation after that will return the original list.

Tasks

- Create a new post (also add *UI* — user interface — to the application)
 - Add a text input for the post **title**
 - Add a [textarea](#) for the post **body**
 - Add a **Send** button which should send the HTTP request with the appropriate values
 - Display the created post (at least the **title** and **body** fields)
 - always display only the latest created post
- Modify an existing post (use the PATCH method)
 - Add a new number input field where you can define a **post id**
 - If this field has a value, then update the post with the specified id rather than create a new one
- List posts
 - List only the first 10 posts title
 - Use the [filter](#) function for this purpose
 - Display these posts on the UI
 - Every post should take up a whole line

Extra exercise

- Delete post
 - Add a **Delete** button in the previous list
 - If you click on the button send the delete request
 - Then remove the element from the list
 - **Tip:** If you use an iteration to display the list elements, then add the delete button click listener in another loop
 - **Tip:** You can get an HTML elements parent through the **parentElement** property
- Display the details of five post (title - body (id))
 - Use the get resource by an id endpoint
 - Make the requests parallel with [Promise.all](#)
- Create a native XHR request (it's event based), then try to convert it to use promises (kinda like a custom **fetch** implementation)
 - You don't have to create a UI for this one, just log the result in the console
 - More details on [XHR requests](#)

Useful endpoints

HTTP Method	URL
GET	https://jsonplaceholder.typicode.com/posts
GET	https://jsonplaceholder.typicode.com/posts/\${id}
POST	https://jsonplaceholder.typicode.com/posts
PATCH	https://jsonplaceholder.typicode.com/posts/\${id}
DELETE	https://jsonplaceholder.typicode.com/posts/\${id}

Example output

Post

Title: Cubix
Body: JavaScript course

Posts list

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qui est esse

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Post details

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