

Job Simulation: User Management Table with JSON API

Project Title: Building a Dynamic User Table Using Fetch API and DOM

Intern Role: Front-End Development Intern

Tech Stack: HTML, CSS, JavaScript (no frameworks or libraries)

Project Objective

Design and build a functional user table that retrieves data from a mock JSON API and dynamically displays it on a web page using DOM manipulation. This table will serve as a component of a dashboard-style interface and will allow users to edit or remove data directly from the UI.

The project offers practical experience in working with the Fetch API, handling user interactions, and updating the interface in real time — all without using any frontend libraries or persistent storage.

Task Summary

As part of this simulation, you will:

- Fetch user data from a public API (<https://jsonplaceholder.typicode.com/users>)
 - Display the data in a styled HTML table
 - Provide **Edit** and **Delete** buttons for each user
 - Enable inline editing and live DOM updates when actions are performed
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Functional Requirements

1. Data Handling:

- Use `fetch()` to retrieve user data in JSON format.
- Dynamically create table rows using JavaScript and DOM methods.
- Each row should have two action buttons:
 - **Edit:** Allows inline editing of the row content

- **Delete:** Removes the row from the table

2. Editing:

- Clicking "Edit" should allow users to change data in that row.
- Button label should toggle to “Save” when editing.
- Clicking “Save” confirms the changes and disables editing.

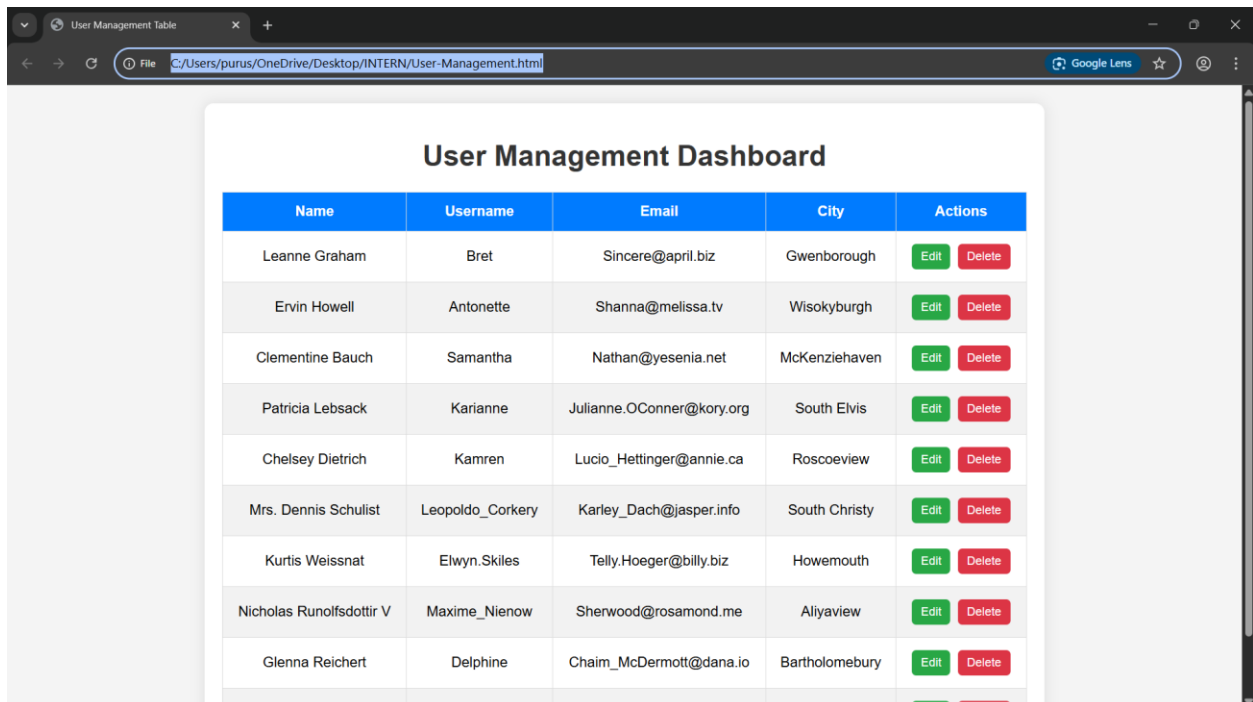
3. Deleting:

- Clicking “Delete” should remove the row from the DOM instantly.

UI and Styling Guidelines

- Use readable fonts and visually distinct colors.
- Apply alternating

Project



The screenshot shows a web browser window with the title 'User Management Table'. The address bar shows the file path 'C:/Users/purus/OneDrive/Desktop/INTERN/User-Management.html'. The main content is a 'User Management Dashboard' featuring a table with the following data:

Name	Username	Email	City	Actions
Leanne Graham	Bret	Sincere@april.biz	Gwenborough	<button>Edit</button> <button>Delete</button>
Ervin Howell	Antonette	Shanna@melissa.tv	Wisokyburgh	<button>Edit</button> <button>Delete</button>
Clementine Bauch	Samantha	Nathan@yesenia.net	McKenziehaven	<button>Edit</button> <button>Delete</button>
Patricia Lebsack	Karianne	Julianne.OConner@kory.org	South Elvis	<button>Edit</button> <button>Delete</button>
Chelsey Dietrich	Kamren	Lucio_Hettinger@annie.ca	Roscoeview	<button>Edit</button> <button>Delete</button>
Mrs. Dennis Schulist	Leopoldo_Corkery	Karley_Dach@jasper.info	South Christy	<button>Edit</button> <button>Delete</button>
Kurtis Weissnat	Elwyn.Skiles	Telly.Hoeger@billy.biz	Howemouth	<button>Edit</button> <button>Delete</button>
Nicholas Runolfsdottir V	Maxime_Nienow	Sherwood@rosamond.me	Aliyaview	<button>Edit</button> <button>Delete</button>
Glenna Reichert	Delphine	Chaim_McDermott@dana.io	Bartholomebury	<button>Edit</button> <button>Delete</button>