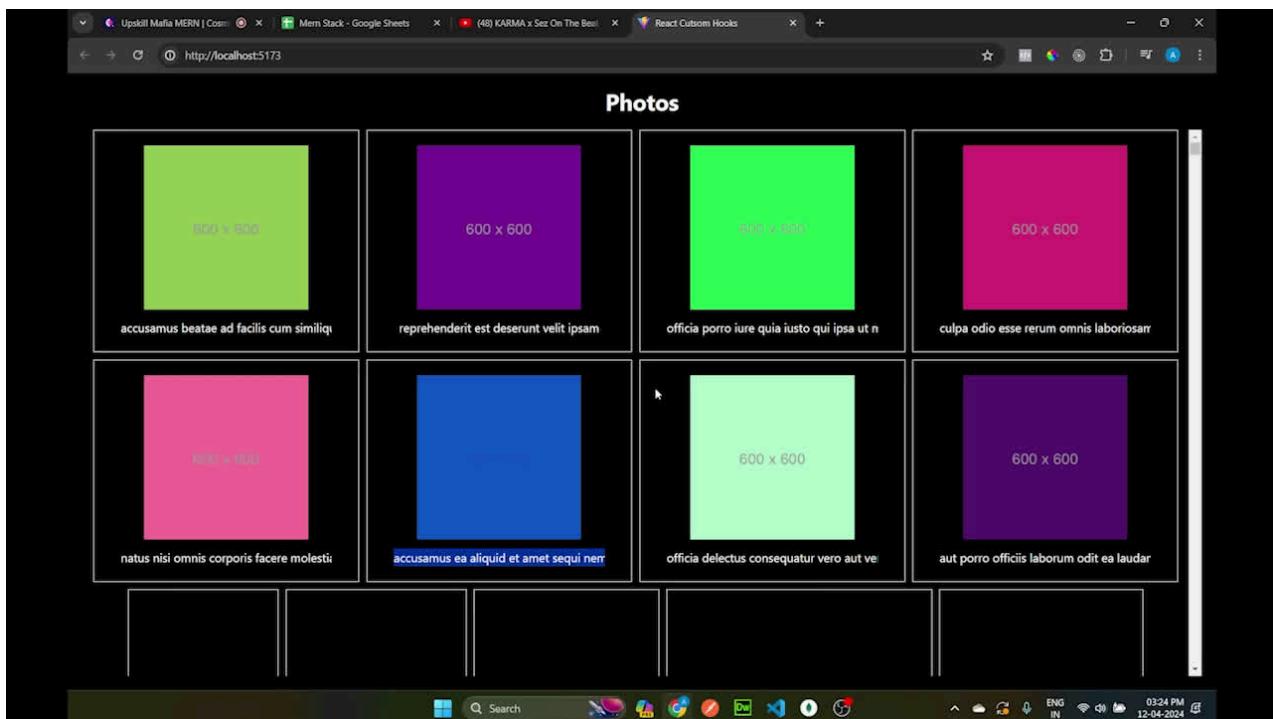


Task 5 : React Custom Hooks



Problem Statement:

The problem statement of this assignment is to create a custom hook in React that simplifies the process of fetching data from an API.

Problem Description:

In this task, you will be introducing custom hooks to ease our commonly used tasks for example we generally do some fetch operations to get data from backend api we will use a dummy api link to fetch data using fetch function of javascript in order to make it smoothly usable we will make a custom hook useFetch. Dummy api provided below in tips.

Requirements:

- Your custom hook should be named useFetch.
- The useFetch hook should accept a URL parameter.
- The hook should handle fetching data from the provided URL using fetch or any other preferred method.
- It should return the following values:
 - data: The fetched data (if any).
 - loading: A boolean indicating whether the data is still loading.
 - error: Any error that occurred during the fetch process.

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- Your hook should handle loading states and error states appropriately.
- Utilize useState, useEffect, and useCallback hooks as necessary.
- Create a simple React component that uses your useFetch hook to fetch data from an API and display it on the screen.
- Style the component as desired using CSS or any preferred styling method.

Tips:

- You can start by creating a new file for your custom hook, for example, useFetch.js.
- Test your hook with different API endpoints to ensure its flexibility and reliability.
- Consider error handling scenarios such as network errors or malformed data.
- You can use a placeholder UI or loading spinner to indicate when data is being fetched.
- Keep your component simple and focused on consuming the useFetch hook. You can expand on it later for more complex scenarios.
- **Example API Endpoint for photos and name**
<https://api.escuelajs.co/api/v1/products>

Submission Guidelines:

- Deploy The Code on Netlify and Provide deployed link in the form.
- Upload the Project on Github. Submit Github link also.
- Provide a brief overview of the decisions made during the enhancement process.