Vue.Js Setup Part 3 :

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**links :**[**https://www.youtube.com/watch?v=MQZ4PQGw-sc&list=PL8p2I9GklV45qwTH-mdzllUuFRJO-euYn&index=22**](https://www.youtube.com/watch?v=MQZ4PQGw-sc&list=PL8p2I9GklV45qwTH-mdzllUuFRJO-euYn&index=22)

**# fetch data from API | axios >>>>**

**install axios and vue-axios**

**make component**

**use mounted life cycle hooks for call api**

**fetch api with axios**

**use v-for for show list of data**

**api url link :** [**http://dummy.restapiexample.com/api/v1/employees**](http://dummy.restapiexample.com/api/v1/employees)

**TodoList.vue >>>>**

<template>

<div>

<h3>Item List</h3>

<!-- Show loading message while data is being fetched -->

<div v-if="loading">

<p>Loading items, please wait...</p>

</div>

<!-- Display error if something goes wrong -->

<div v-if="error">

<p style="color: red;">{{ error }}</p>

</div>

<!-- Display the table once data is fetched -->

<table v-if="!loading && !error" class="item-table">

<thead>

<tr>

<th>ID</th>

<th>Title</th>

<th>Status</th>

</tr>

</thead>

<tbody>

<tr v-for="item in items" :key="item.id">

<td>{{ item.id }}</td>

<td>{{ item.title }}</td>

<td>{{ item.completed ? 'Completed' : 'Pending' }}</td>

</tr>

</tbody>

</table>

</div>

</template>

<script>

import axios from 'axios';

export default {

name: "HomePage",

data() {

return {

items: [], // to store fetched data

loading: false, // to manage loading state

error: null, // to handle errors

};

},

async mounted() {

this.loading = true; // Set loading to true when fetching starts

try {

const response = await axios.get('https://jsonplaceholder.typicode.com/todos');

this.items = response.data; // Assign the fetched data to items

} catch (error) {

this.error = 'Failed to fetch data. Please try again later.'; // Show error message on failure

} finally {

this.loading = false; // Set loading to false when fetching is done

}

}

};

</script>

<style scoped>

.item-table {

width: 100%;

border-collapse: collapse;

margin-top: 20px;

}

.item-table th, .item-table td {

border: 1px solid #ddd;

padding: 8px;

text-align: left;

}

.item-table th {

background-color: #f4f4f4;

font-weight: bold;

}

.item-table tr:nth-child(even) {

background-color: #f9f9f9;

}

.item-table tr:hover {

background-color: #f1f1f1;

}

h3 {

margin-bottom: 20px;

color: #4CAF50;

}

</style>

now we are use axios lib and fetch data & complete to fetch data & show on table and error & fetching list data .

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