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Backend Workshop -8-

Workshop

Subject:

- NodeJS Question

Learning Goals

- Preparing for NodeJS Questions

Introduction

- Preparing for interview questions that may arise during job application processes

Prerequisites

- Answer by discussing among yourselves.

Lets start

1. What is pre-middleware, and how does it work?

Answer: Pre-middleware is a type of Express.js middleware used to preprocess a request. It is used to make changes to a request before or prior to processing it and then pass it to the subsequent middleware or routing function. For example, it can be used to validate incoming data, perform authentication, or restrict the request in some way.

2. What is a simple token-based authentication system in Express.js, and how does it work?

Answer: A simple token-based authentication system in Express.js involves issuing a token to an authenticated user upon login. This token is then sent with subsequent requests to verify the user's identity. The server validates the token and allows or denies access based on its authenticity. It's a straightforward way to secure API endpoints.

3. How do you generate and issue tokens in Express.js for user authentication?

Answer: To generate and issue tokens in Express.js, you can use libraries like jsonwebtoken. When a user logs in, you create a token with user-specific information, sign it with a secret key, and send it to the client. The client includes this token in the header of subsequent requests.

4.What are the advantages of using simple token-based authentication in Express.js over traditional username/password authentication?

Answer: Simple token-based authentication offers several advantages over traditional methods, including better security, scalability, and flexibility. It eliminates the need to store sensitive user passwords on the server, reduces the risk of data breaches, and allows for seamless API access by clients without the need for session management.

5.E: Token-based authentication is a method used to establish secure communication between the client and the server. Users receive a token instead of _____ and _____ to log in, and they authenticate their identity with this token..

Answer: username and password

6.In Express.js, a type of middleware used to check user access permissions for specific resources is referred to as _____ middleware. This middleware inspects the request, checks the user's permissions, and can modify the request _____ or _____ processing.

Answer: permission, before, after

7. A type of middleware used in Express.js to preprocess a request before or after processing is known as _____ middleware. For instance, this middleware can be used to validate incoming data, perform authentication, or restrict the request in some way.

Answer: pre middleware

8. What methods and libraries can you use to send emails using Express.js?

Answer: To send emails using Express.js, you can use the "Nodemailer" library. Nodemailer allows you to connect to an email server, create email messages, and send them.

9.How can you perform file uploading in an Express.js application? Which middleware or libraries are commonly used for this purpose?

Answer: To handle file uploads in Express.js applications, you can use middleware like "Multer." Multer simplifies file uploading and allows you to process incoming files. For example, how do you create and use a file upload endpoint?

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Backend Teamwork -8-

Teamwork

Subject:

- NodeJS Interview Question

Learning Goals

- StockApi Project

Introduction

-Preparing StockApi

Prerequisites

- Answer by discussing among yourselves.

Lets start

In our teamwork , we aim to focus on our StockApi project and talk about the project with your teammates.

☺ **Thanks for Attending** ✍

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