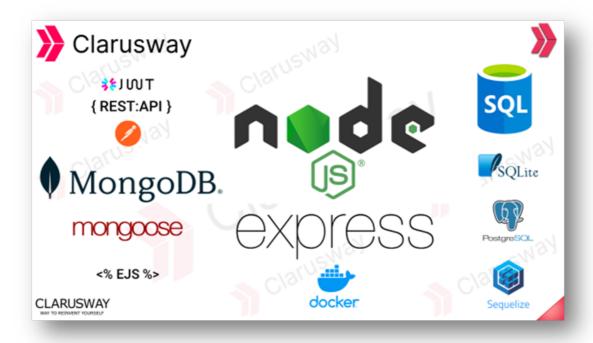Clarusway

Backend
Workshop
-6-

Workshop

Subject:

- Token & Permissions and Logging & Documentation

Learning Goals

- Working on Token & Permissions and Logging & Documentation

Introduction

- In the realm of web and software development, securing user access and facilitating effective communication are pivotal. This document explores Token & Permissions, which govern user authentication and authorization, as well as Logging & Documentation, the cornerstones of monitoring and understanding applications. By the end, you'll be equipped to enhance security and application insights while fostering clear and efficient communication

Prerequisites

- We will use the VSCode.

Lets start

1.What do permissions do in an express.js application?

Answer:

2. Can you explain the concept of middleware in Node.js and how it is employed for managing user permissions using Token?

Answer:

3. What is the purpose of structured logging, and how can it benefit the debugging and monitoring of a Node.js application?

Answer:

4. In the context of Node.js, what logging and documentation practices should be followed to enhance the overall maintainability and collaboration on a project?

Answer:

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Backend
Teamwork
-6-

Teamwork

Subject:

- Express.JS Interview Question

Learning Goals

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

Introduction

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

Prerequisites

- Answer by discussing among yourselves.

Lets start

1.What is the purpose of middleware in Express.js?

- a) To define routes for handling HTTP requests
- b) To render HTML templates
- c) To handle asynchronous operations
- d) To process requests before they reach route handlers

2.Which middleware is commonly used for logging HTTP requests in Express.js?

- a) morgan
- b) body-parser
- c) express-session
- d) cookie-parser

3.In Express.js, how can you restrict access to certain routes based on user permissions?

- a) By using built-in JavaScript functions
- b) By implementing middleware functions
- c) By encrypting route URLs
- d) By setting route parameters

4.What HTTP status code typically indicates that the client does not have permission to access the requested resource?

- a) 200 OK
- b) 401 Unauthorized
- c) 404 Not Found
- d) 500 Internal Server Error

5.Which Express.js method is commonly used for documenting APIs?

- a) app.use()

- b) app.set()

- c) app.get()

- d) app.route()

6.What tool is commonly used for generating API documentation in Express.js?

- a) Swagger
- b) Jest
- c) Postman
- d) Axios

7.Which HTTP method is typically used for retrieving data from a server in Express.js?

- a) GET
- b) POST
- c) PUT
- d) DELETE

8.In Express.js, how can you log custom messages to the console?

- a) Using the console.log() function
- b) Using the morgan middleware
- c) Using the express-logger package
- d) Using the debug module

9.What is the purpose of using environment variables in Express.js applications?

- a) To store sensitive information such as API keys
- b) To define routing paths
- c) To declare middleware functions
- d) To specify HTTP headers

10. Which middleware is commonly used for parsing JSON requests in Express.js?

- a) morgan
- b) body-parser
- c) express-session
- d) cookie-parser

<div align="center">☺ Thanks for Attending ✍</div>

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