

# Express.js

## Chapter 1: Introduction to Express.js

- Introduction to backend and the need for frameworks.
- Understanding Express.js and installing it.
- Creating an initial server with Express.js.

## Chapter 2: Routing and Middleware

- Defining routes and routing in Express.js.
- Utilizing middleware for request processing.
- Creating custom middleware.

## Chapter 3: Building Web APIs

- Introduction to API concepts and RESTful APIs.
- Creating simple APIs with Express.js.
- API documentation.

## Chapter 4: Managing Requests and Responses

- Processing and managing requests and responses.
- Sending JSON responses and handling dynamic data.
- Creating unit tests for the application.

## Chapter 5: Security and Access Management

- Security principles in backend and using HTTPS.

- Managing authentication and authorization.
- Protecting the backend against common attacks.

## Chapter 6: Advanced Topics

- Establishing infinite connections to the website using WebSocket.
- Running code sections concurrently using promises and async/await.
- Backend management and scalability.

## Chapter 7: Developing a Practical Project

- Building a complete backend project using Express.js and a database.
- Implementing APIs, security, and unit testing.
- Deploying and managing the project in a production environment.

## Chapter 8: Participating in the Express.js Community

- Engaging with the Express.js developer community and contributing to open-source projects.
- Utilizing online resources and working on practical projects.

