COURSE SYLLABUS

JavaScript Development with Node, Express, & MongoDB

Learn to build and host web applications with Node, build APIs with Express, and store data with MongoDB. Gain skills in I/O engine, working with npm, file system, API route development, middleware, MongoDB setup, schema development, MongoDB application management, and querying.

For more information, visit
https://www.creativelive.com/classes/node-express-and-mongo-db



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Course Outline

What is an I/O engine?

- Input / Output engine
- File execution
- Creating a basic http server

Working with npm (Node package manager)

- Installing modules
- Assessing node_modules folder
- Creating a package.json file
- Managing your application's assets

Working with the file system

- Reading directories
- Reading and serving image files
- Serving image files
- Streaming data

API route development

- Assessing the main types of HTTP routes
- Hosting express app instance
- Creating simple GET routes

Middleware

- Creating middleware functions
- Request, Response, Next
- Cookie creation

How to set up MongoDB

- Creating a connection string
- Hosting MongoDB
- Authenticating into a DB

Schema development

- Creating the model
- Filtering data

MongoDB application

- Managing documents
- Security measures

Querying

- Filtering documents
- Populations
- Limits
- Paginations