Node & ExpressJS

Learn Back-end with Node & ExpressJS framework, understand concepts when making Back-end and building RESTful API for websites.

**What will you learn?**

* Firmly grasp general theory in web building
* Build websites with Express with practical knowledge
* Master the theory of API and RESTful API
* Grasp the concept of the HTTP protocol
* Learn how to organize code in practice
* Know how to work with Mongoose, MongoDB in NodeJS
* Know how to build APIs according to RESTful API standards
* Share real work experience
* Understand the ideology and operation of the MVC model
* Know how to deploy a website to the internet

**Course contents:**

1. Pre-course advice
2. HTTP protocol
3. SSR & CSR
4. Install Node
5. Install ExpressJS
6. Install Nodemon & inspector
7. Add git repo
8. Install Morgan
9. Template engine (handlebars)
10. Static file & SCSS
11. Use Bootstrap
12. Basic routing
13. GET method
14. Query parameters
15. Form default behavior
16. POST method
17. MVC model
18. [MVC] Routes & Controllers
19. [Windows] Install MongoDB
20. [Ubuntu] Install MongoDB
21. [MacOS] Install MongoDB
22. Prettier - Code formatter
23. [MVC] Model
24. Install JSON viewer extension
25. [CRUD] Read from DB
26. Course detail page
27. [CRUD] Create new course
28. [CRUD] Update course
29. [CRUD] Delete course
30. Soft delete?
31. Deleted count documents
32. "Select all" with checkbox
33. Fix bug
34. Concept of middleware?
35. Sort middleware
36. Autoincrement \_id field

## **Requirement:**

* Have basic knowledge of HTML, CSS and JavaScript
* Master the features in JavaScript ES6
* Have understanding of asynchronous programming in JavaScript
* Own a computer with a Windows, Ubuntu or MacOS internet connection
* High awareness, high responsibility in self-study. Practice again after each lesson

**This course is worth $300**