Section 1: Introduction to NestJS

1. NestJS Masterclass Introduction
2. What will we build in this course
3. What is NestJS???  
     
   NestJS is a nodejs framework – A progressive Node.js framework for building efficient, reliable and scalable server-side applications.

NestJS + TypeScript + NodeJS  
  
Problems with Node – Modularity | Dependency Injection | Scalability | Ready ecosystem  
  
Why we need structure? Scale with team | Consistency of code | Focus on business logic | Maintainability  
  
Out of the box features  
Nest JS –Routing testing middleware documentation exception handling plugins  
  
Express class validator jest typeorm compodoc mongoose  
  
Nest JS – typeorm + mongoose  
  
Applications – Rest API Microservices Web sockets GraphQL MVC apps cli

1. Setting Up the Development Environment  
     
   Requirement – Nodejs node -v npm -v  
   vscode
2. Installing NestJS CLI  
   bun install -g @nestjs/cli 🡪 global install nestjs cli  
   nest --version 🡪 to check version  
   nest --help 🡪   
   nest generate -- help
3. Creating our NestJS Application  
   nest new nestjs-intro -- dry-run
4. Boilerplate code in NestJS
5. Best Learning Path for this course

Section 2: Understanding Modules

1. What are modules?  
   users.module.ts 🡪   
   users.controller.ts 🡪contains routing logic for api routes  
   users.service.ts 🡪logic related to a particular functionality  
   users.entity.ts 🡪database structure for users table  
   users.controllers.spec.ts 🡪 file to write test cases for user controller