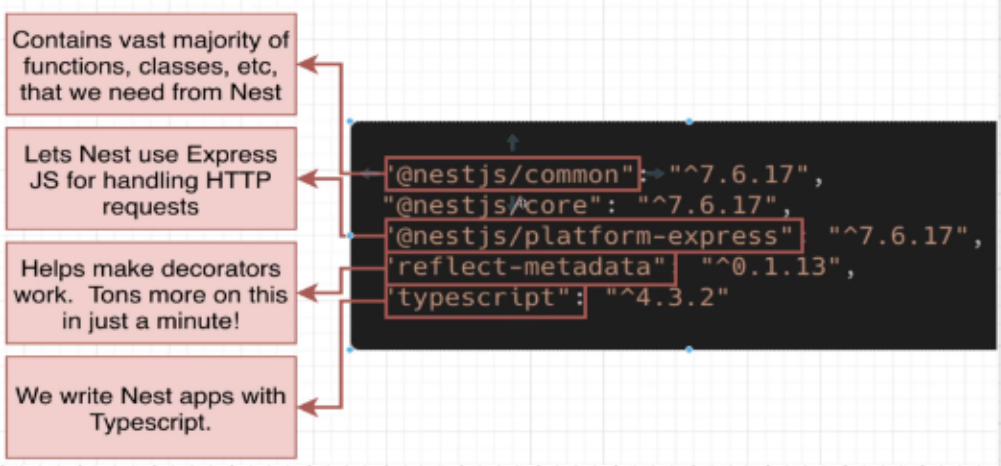
Manually start a Nestjs project

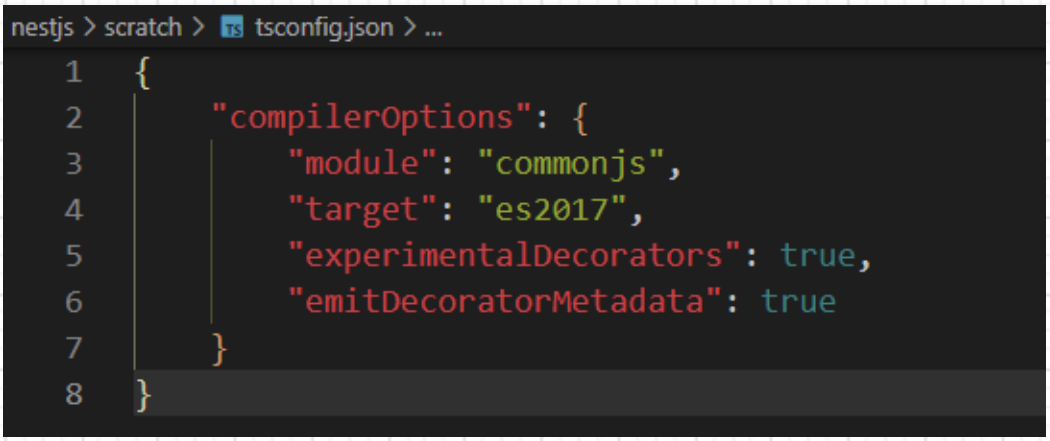
1. Create a project folder

2. Add package.json, cmd: 'npm init -y'

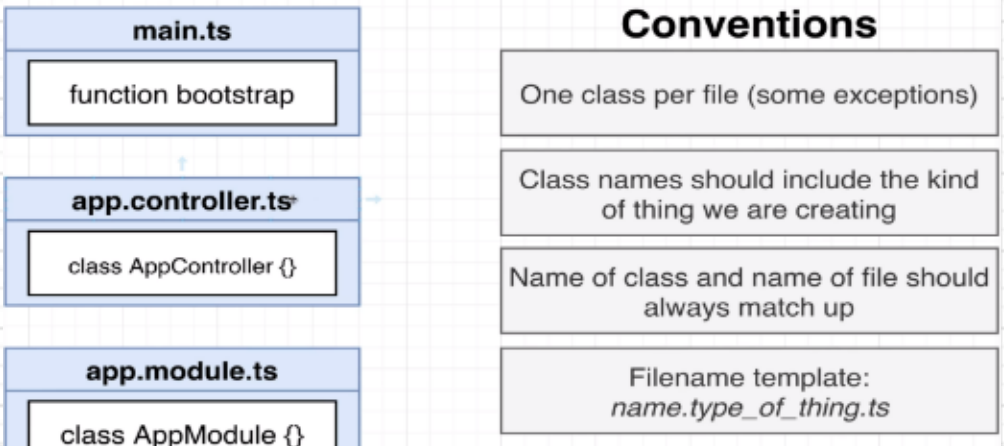
3. Install certain dependecies, cmd: 'npm i @nestjs/common@7.6.17 @nestjs/core@7.6.17 @nestjs/platform-express@7.6.17 reflect-metadata@0.1.13 typescript@4.3.2'



4. Create 'tsconfig.json' and ty enter following:



5. Create a module by:
- Create 'src' folder in root directory
- Create a 'main.ts' file inside 'src'
- Create a controller function using decorator
- Create an async function, normally using 'bootstrap'
- Create an app.controller.ts file with a controller function
- Create an app.module.ts file with the module class



6. Run the app, cmd: 'npx ts-node-dev src/main.ts'

7. Open localhost 3000/app/asdf and it should show 'hi there'

Start a Nestjs project with CLI

1.Create Nestjs project by using CLI

-run cmd: 'npm i -g @nestjs/cli'

-run cmd: 'nest new project', this is the 'messages' project in the folder

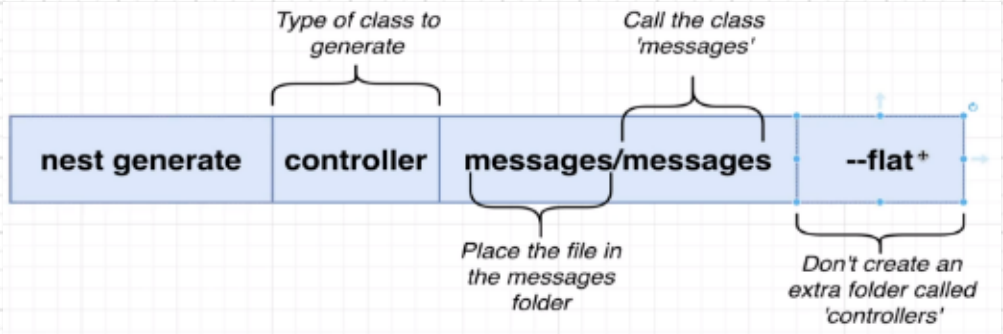
2.After creating the project, use cmd 'npm run start:dev' to run the app in watch mode

3.You can delete the auto-generated the files inside the 'src' folder except the 'main.ts' if you want to build your own files

4.Then run cmd 'nest generate module projectname' to generate your own files

5. A new fodler with projectname will be created inside 'src' with a 'projectname.module.ts' file

6. Create a contoller by using cmd: 'nest generate controller projectname/projectname --flat'



(optional) Use VSCode REST Client Extension to test APIs:

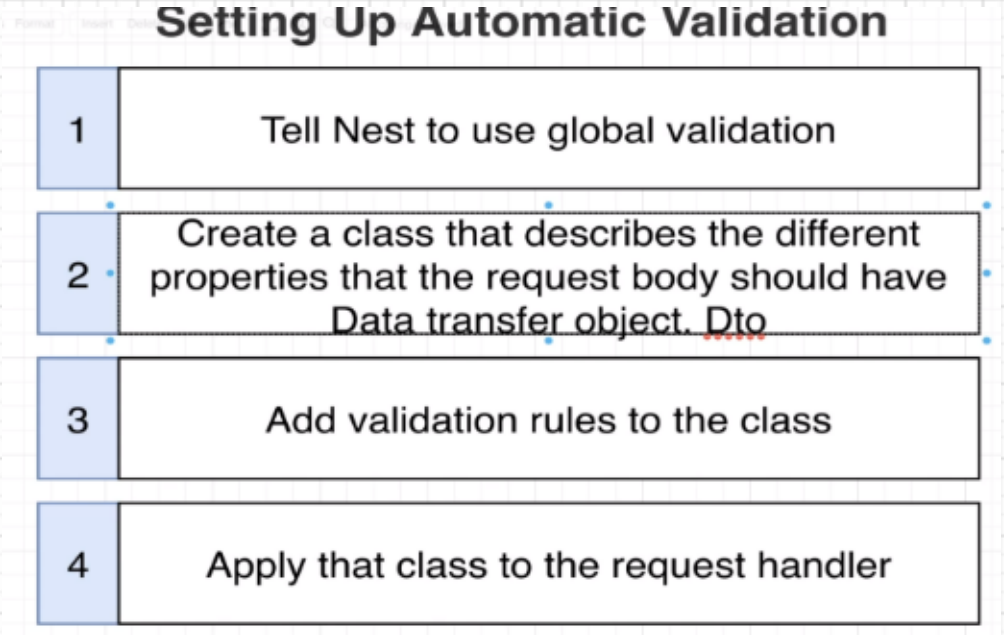
-Install the extenstion in VSCode

-Created a request.html inside root directory and check the content in example folder

Validate request data with pipes:

-Import ValidationPipe in main.ts

-Add corresponding syntax to the 'app'



Create dtos folders under 'src/messages'

Implement a repository

-Create 'projectname.repository.ts' and 'projectname.service.ts'

-Look at the exmaple folder for content in these files

Create repo → Create Service → Create controller

Dependency Injection: Inversion control