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Class: M01

Report Lab 1

Repo lab1: https://github.com/24-25Sem1-Courses/ct313hm01-contactbook-apihoalasama

Step 0: Install node and git

C:\Users\User>node -v v20.14.0

C:\Users\User>git --version
git version 2.42.0.windows.2

C:\Users\User>

Step 1: Create a node project

D:\study\slide\2024-2025 - HK I\dich vu web>git clone https://github.com/24-25Sem1-Courses/ct313hm01-contactbook-api-hoa lasama contactbook-api
Cloning into 'contactbook-api'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (4/4), done.

```
D:\study\slide\2024-2025 - HK I\dich vu web\contactbook-api>npm init -y
Wrote to D:\study\slide\2024-2025 - HK I\dich vu web\contactbook-api\package.json:

{
    "name": "contactbook-api",
    "version": "1.0.0",
    "description": "API backend for the contactbook application.",
    "main": "index.js",
    "scripts": {
        "test": "echo \"Error: no test specified\" && exit 1"
        },
        "keywords": [],
        "author": "",
        "license": "ISC"
}
```

Step 2: Manage the source code with git and GitHub

```
D:\study\slide\2024-2025 - HK I\dich vu web\contactbook-api>npx gitignore no de

Need to install the following packages:
gitignore@0.7.0
Ok to proceed? (y) y

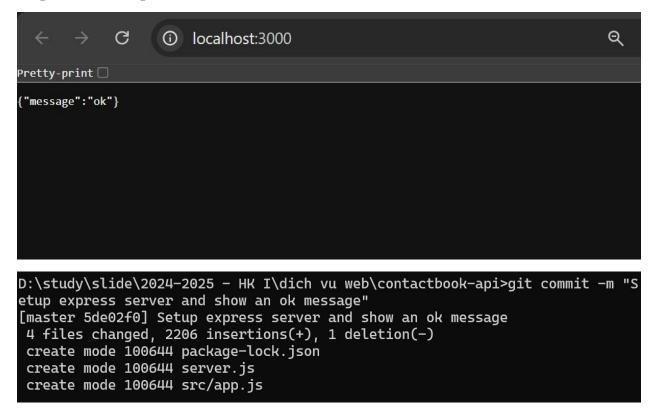
Created .gitignore file for flag type node.
```

```
D:\study\slide\2024-2025 - HK I\dich vu web\contactbook-api>git push origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 20 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 1.46 KiB | 1.46 MiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/24-25Sem1-Courses/ct313hm01-contactbook-api-hoalasama 2d192a6..cf286d8 master -> master
```

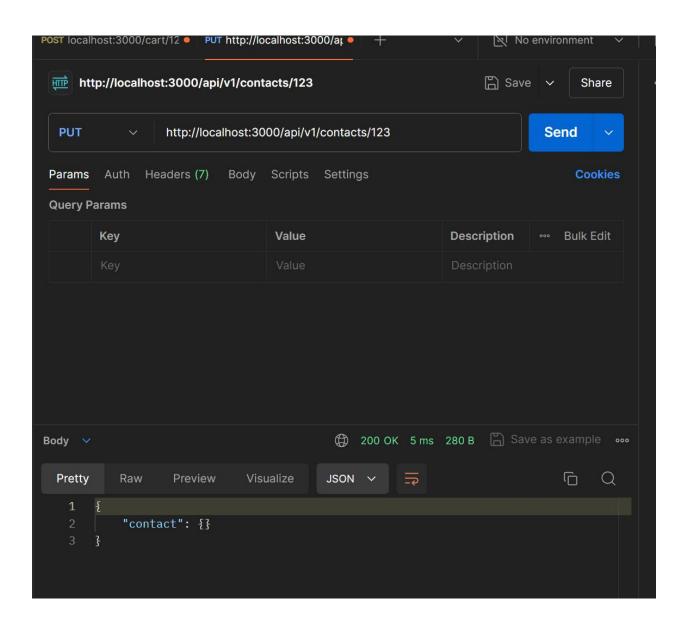
Step 3: Setup Vscode and ESLint and Prettier

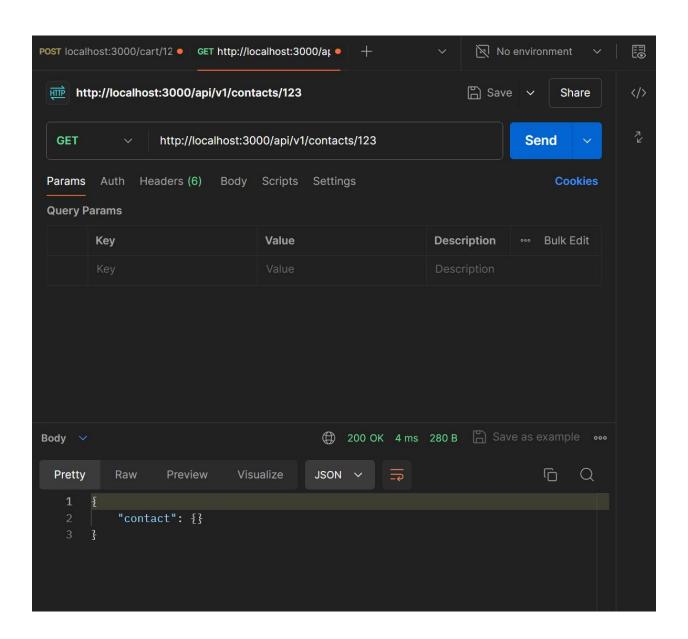
```
D:\study\slide\2024-2025 - HK I\dich vu web\contactbook-api>git commit -m "C onfigure eslint and prettier"
[master b7191e3] Configure eslint and prettier
2 files changed, 14 insertions(+), 1 deletion(-)
create mode 100644 .eslintrc.js
```

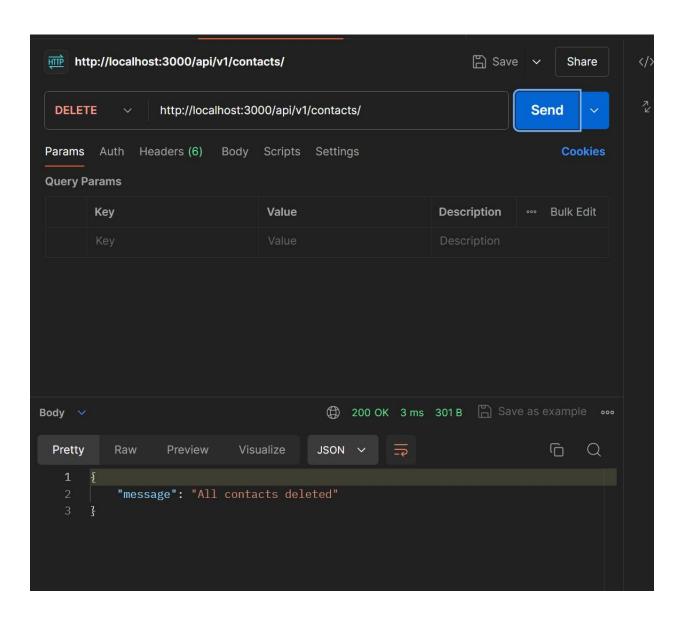
Step 4:Install Express

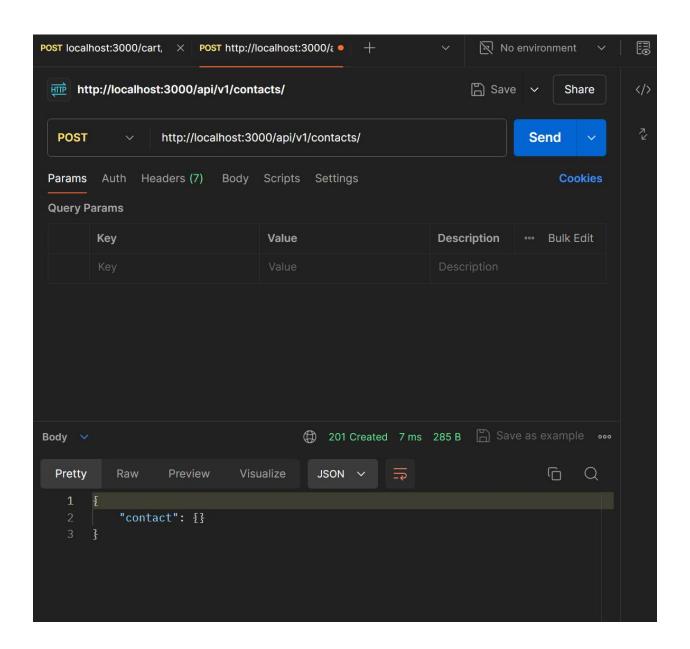


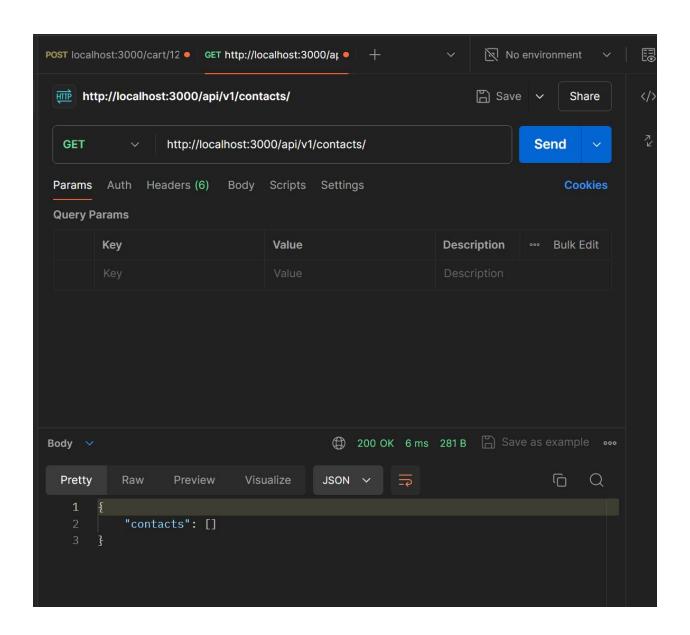
Step 5: Define controller and routes

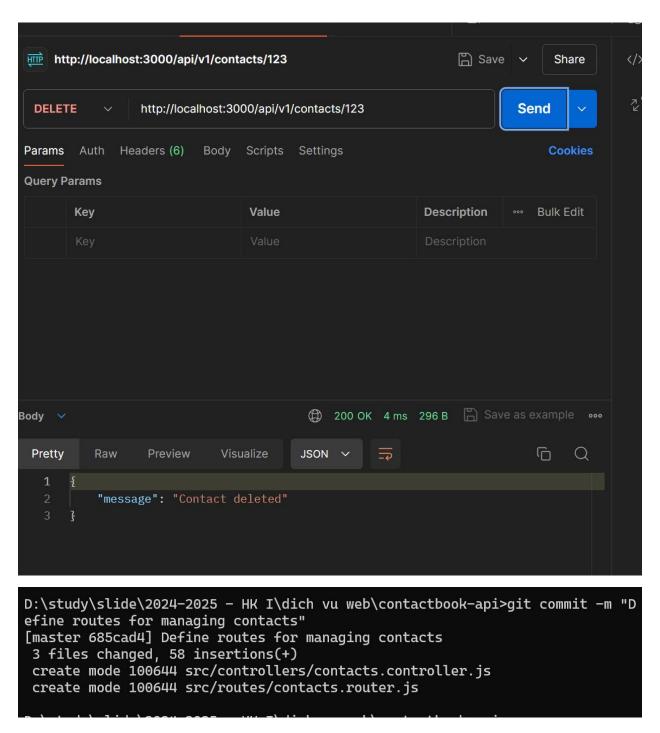




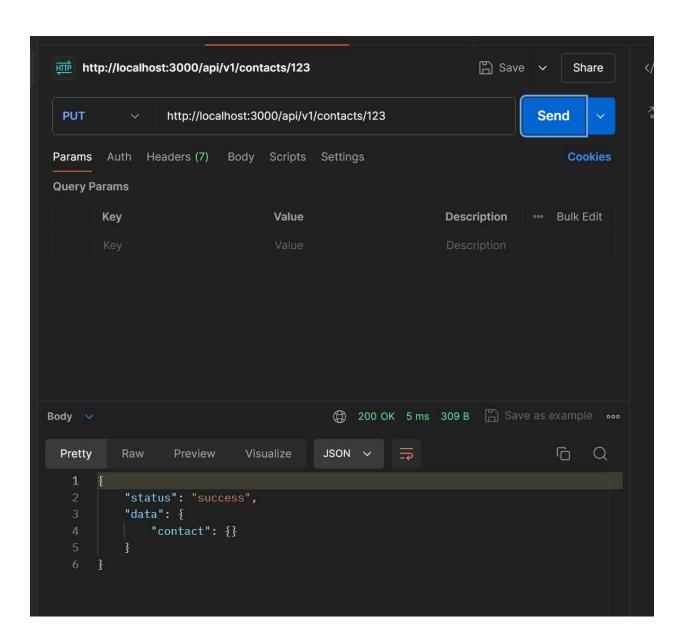


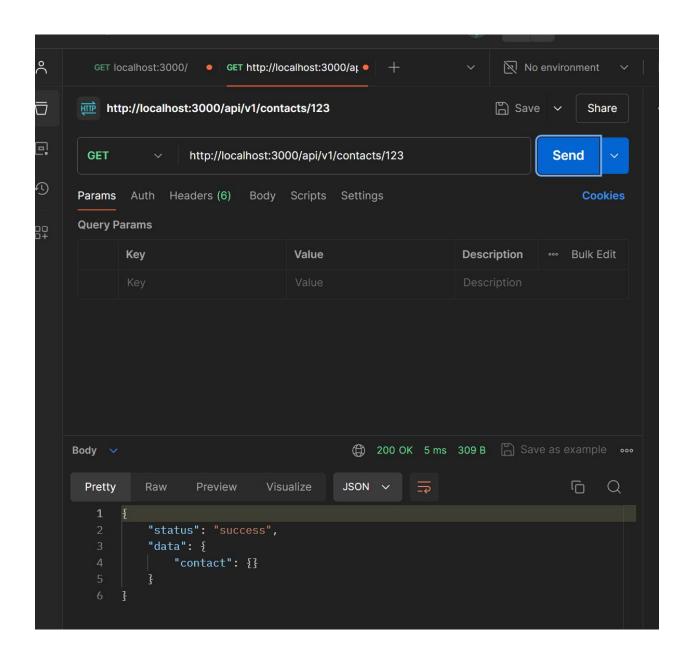


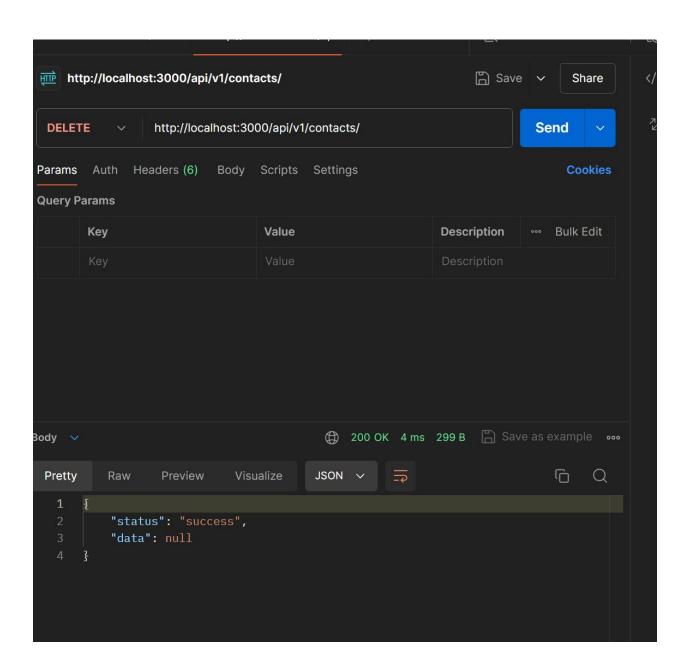


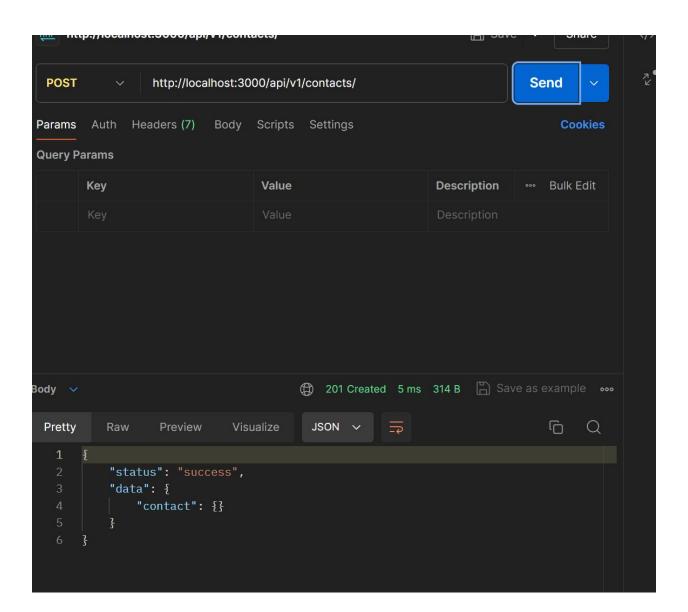


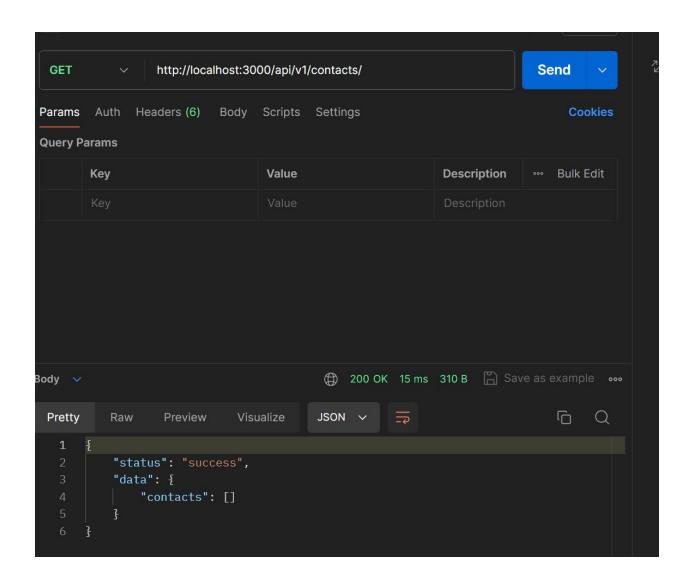
Step 6: Standardize JSON responses with Jsend

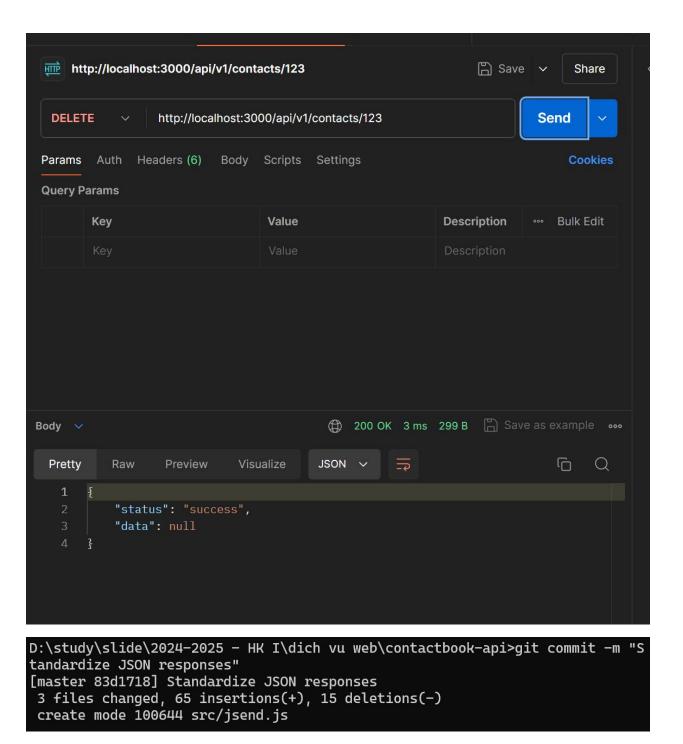




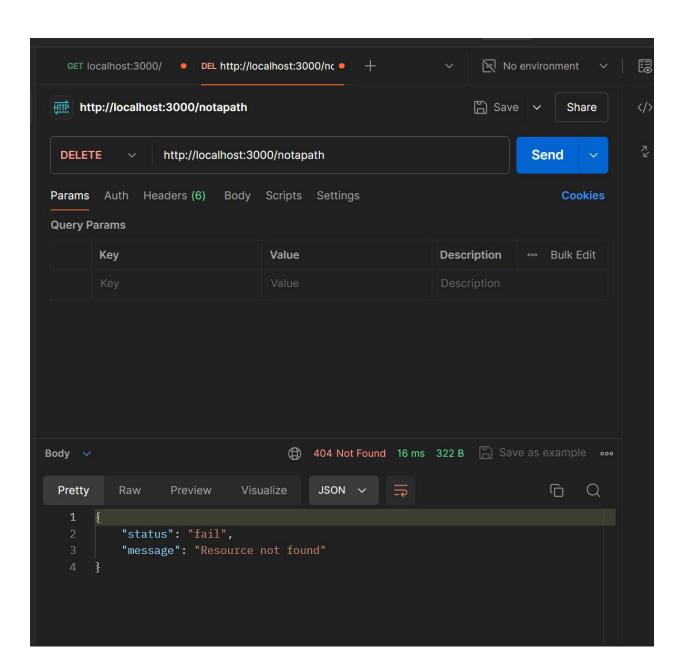


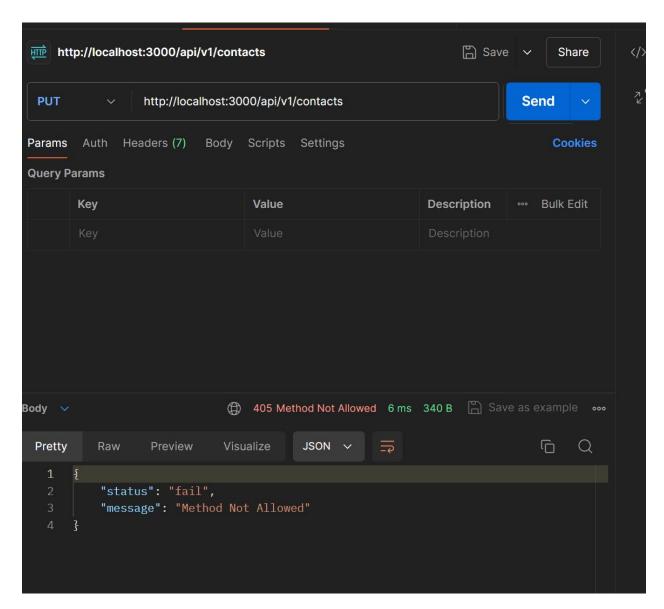




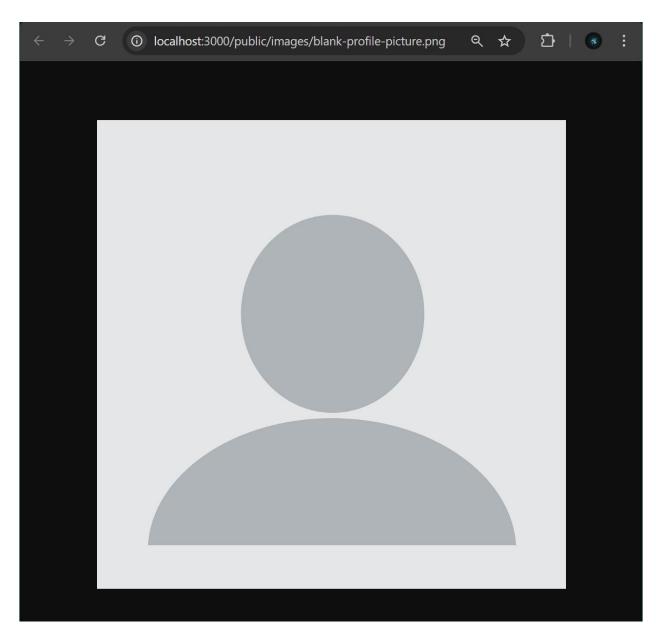


Step 7: Implement error handlers





Step 8: Serve static files



Step 9: Generate OpenAPI Spec from JSDoc

