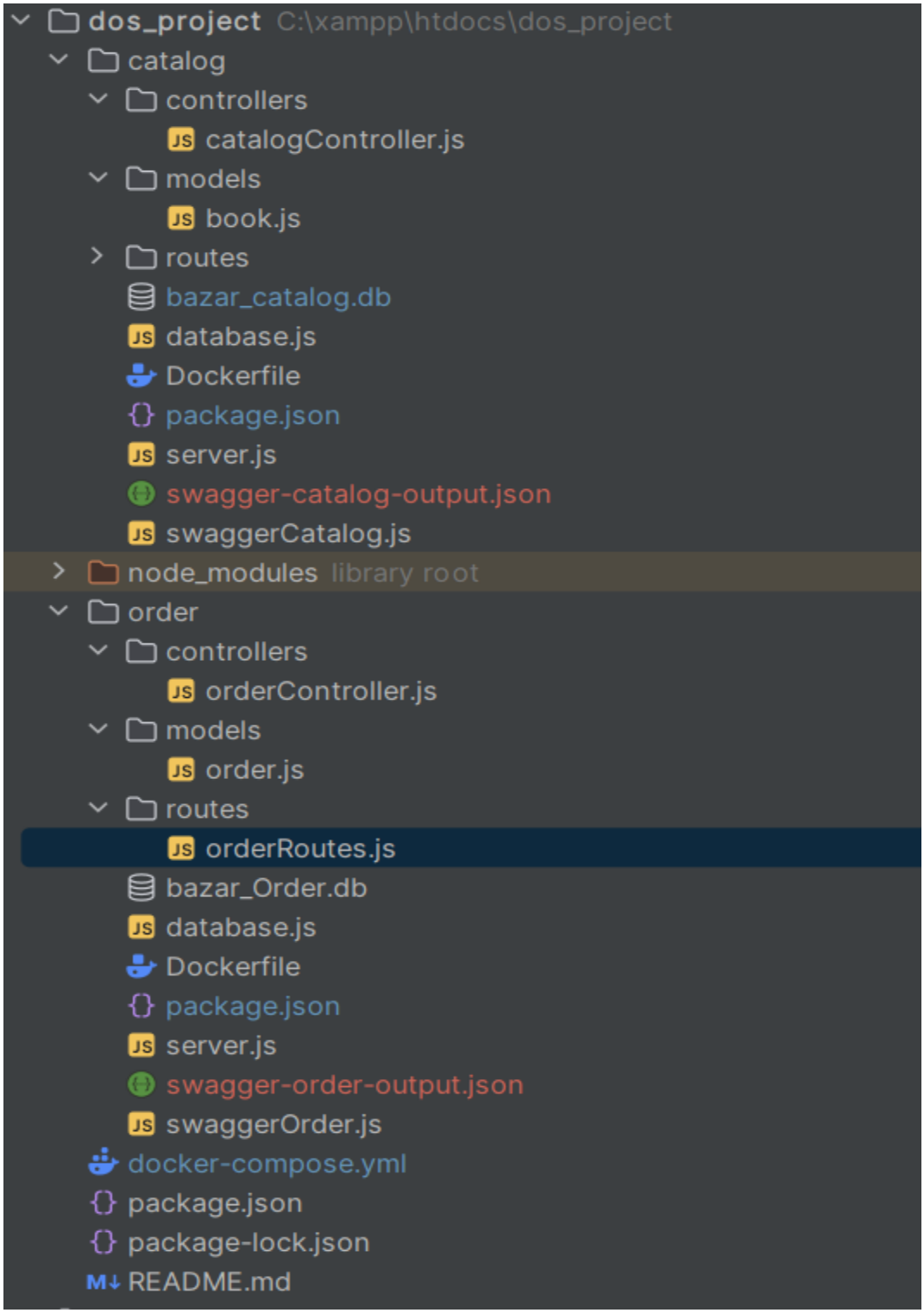
Report Part 1

file structure

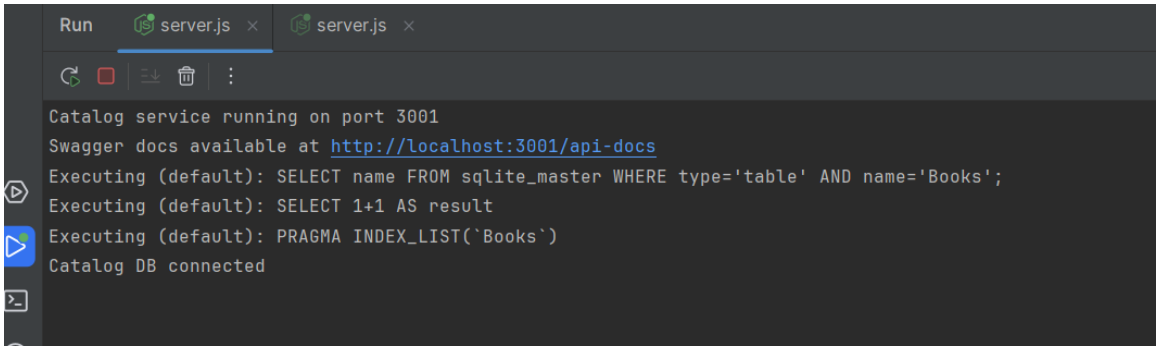


Report Part 1

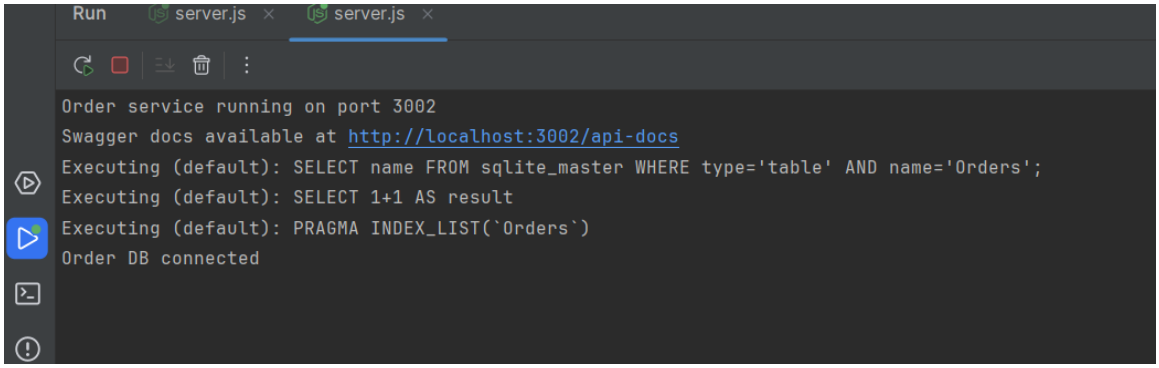
Technologies Used

- **Node.js** with **Express.js** for backend services
- **Sequelize ORM** for database management
- **SQLite** as a lightweight database
- **MVC Pattern** for code organization
- **Docker** for containerization and environment management
- **Swagger UI** for API documentation(swagger-autogen)
- RESTful API design for communication

1-

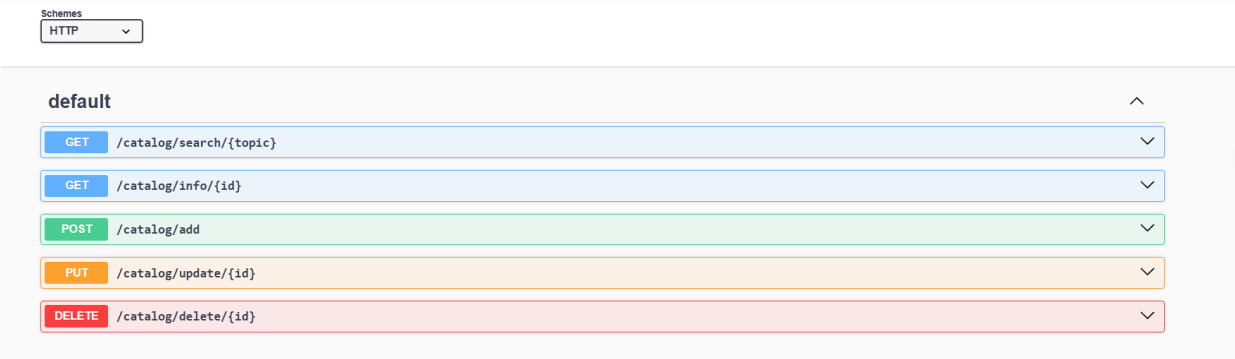


2-

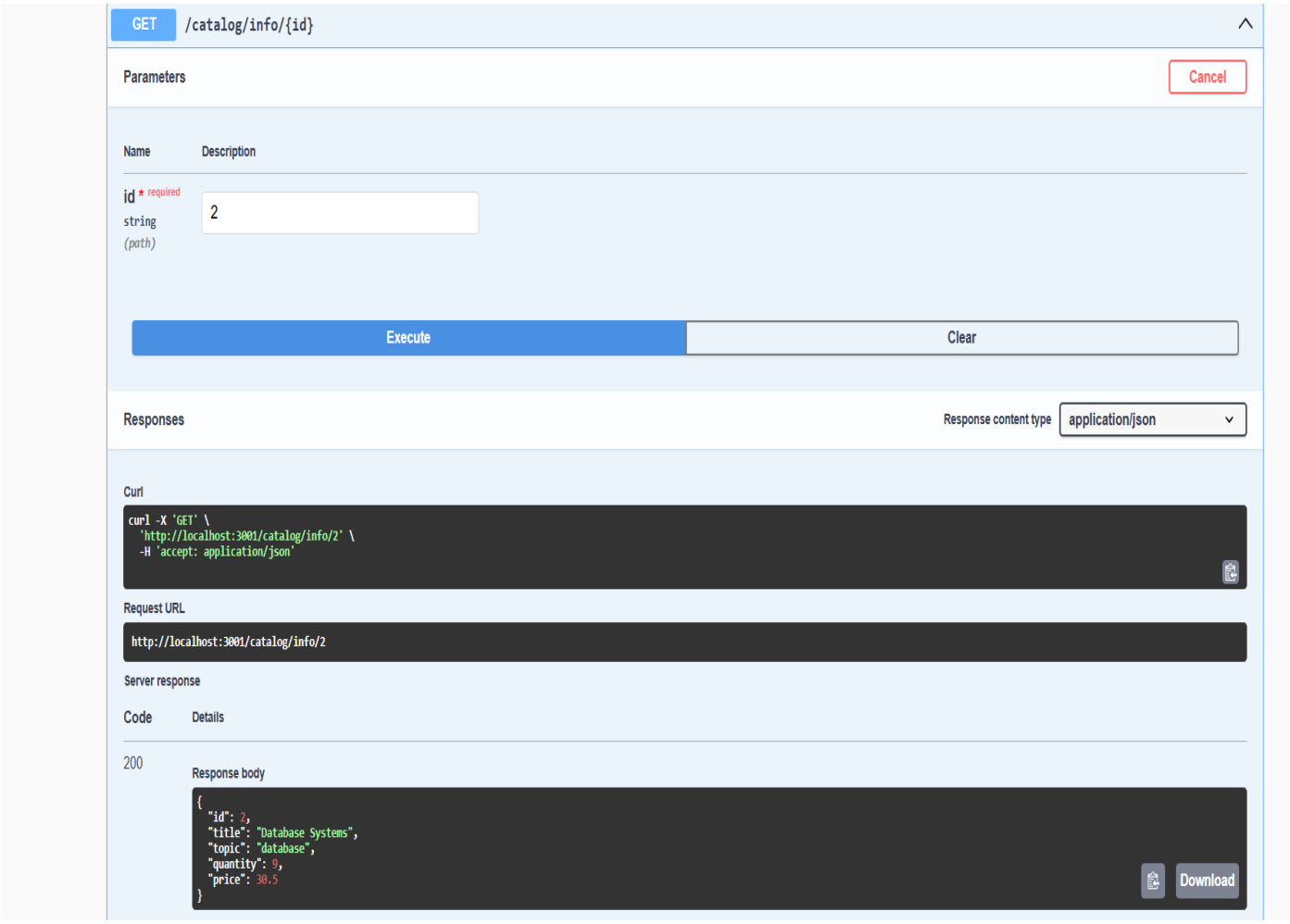


Report Part 1

http://localhost:3001/api-docs/

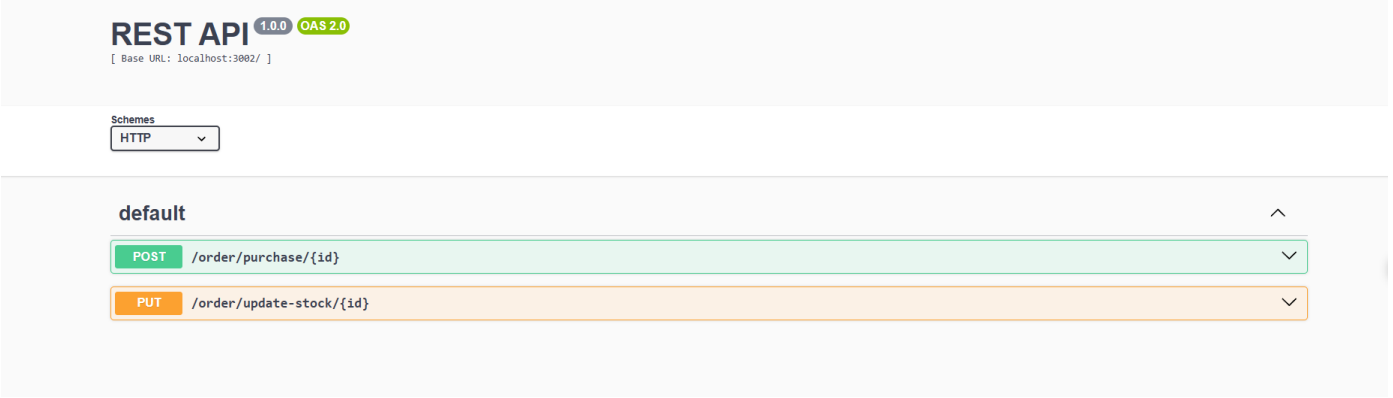


Test:



Report Part 1

http://localhost:3002/api-docs/



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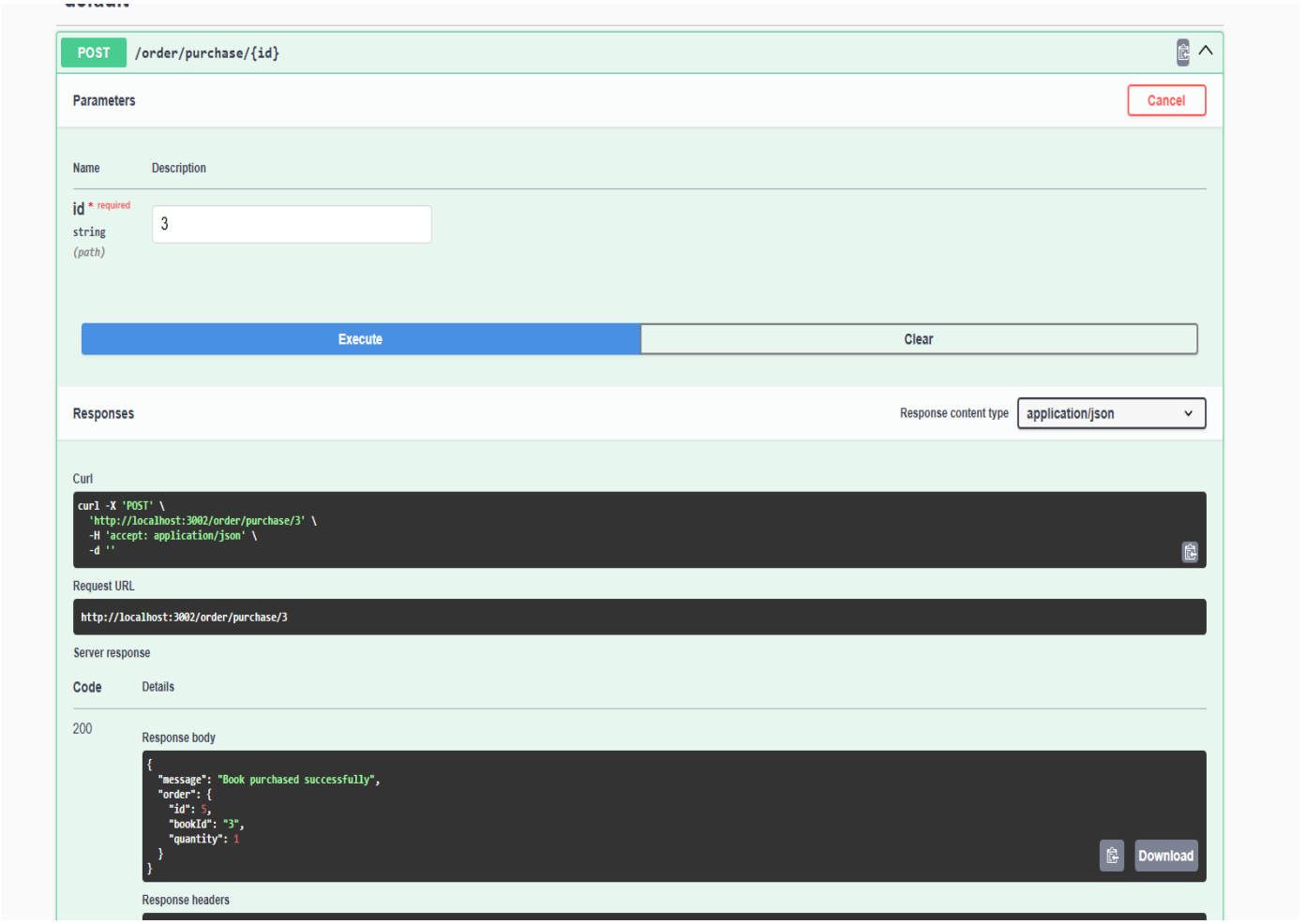


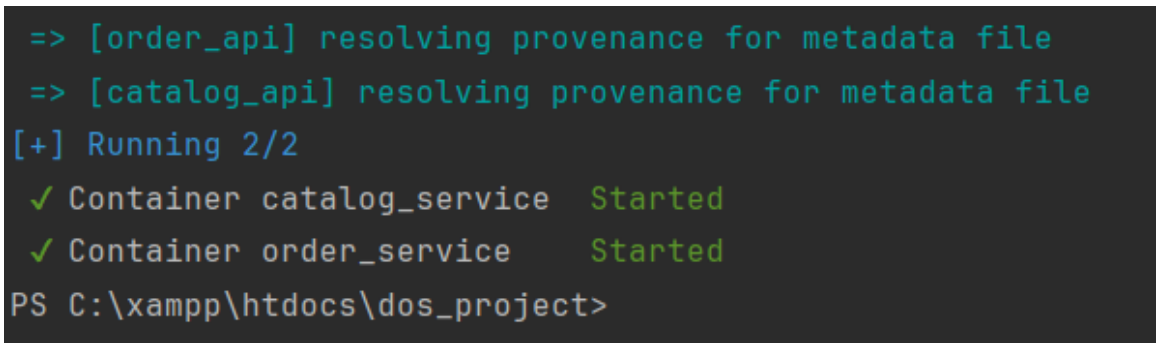
Report Part 1

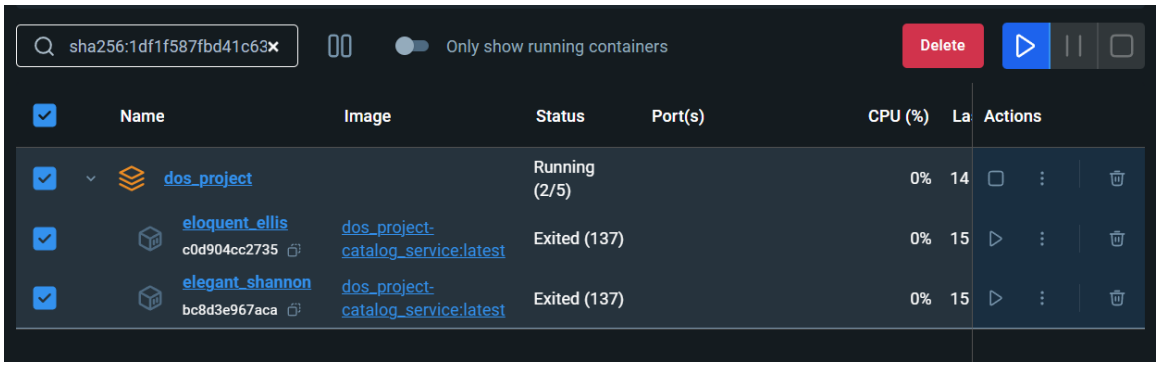
Dokcer:

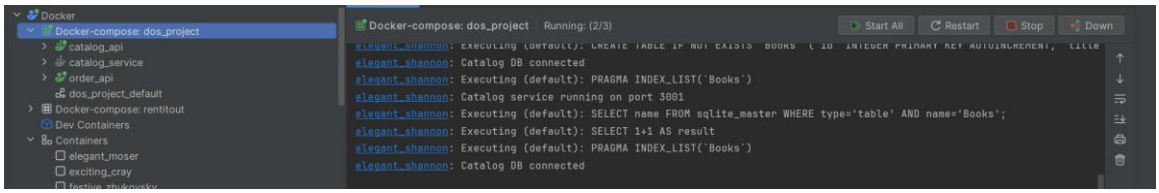
```yaml
version: '3'

services:
  catalog_api:
    build:
      context: ./catalog
    ports:
      - "3001:3001"
    container_name: catalog_service

  order_api:
    build:
      context: ./order
    ports:
      - "3002:3002"
    container_name: order_service
```

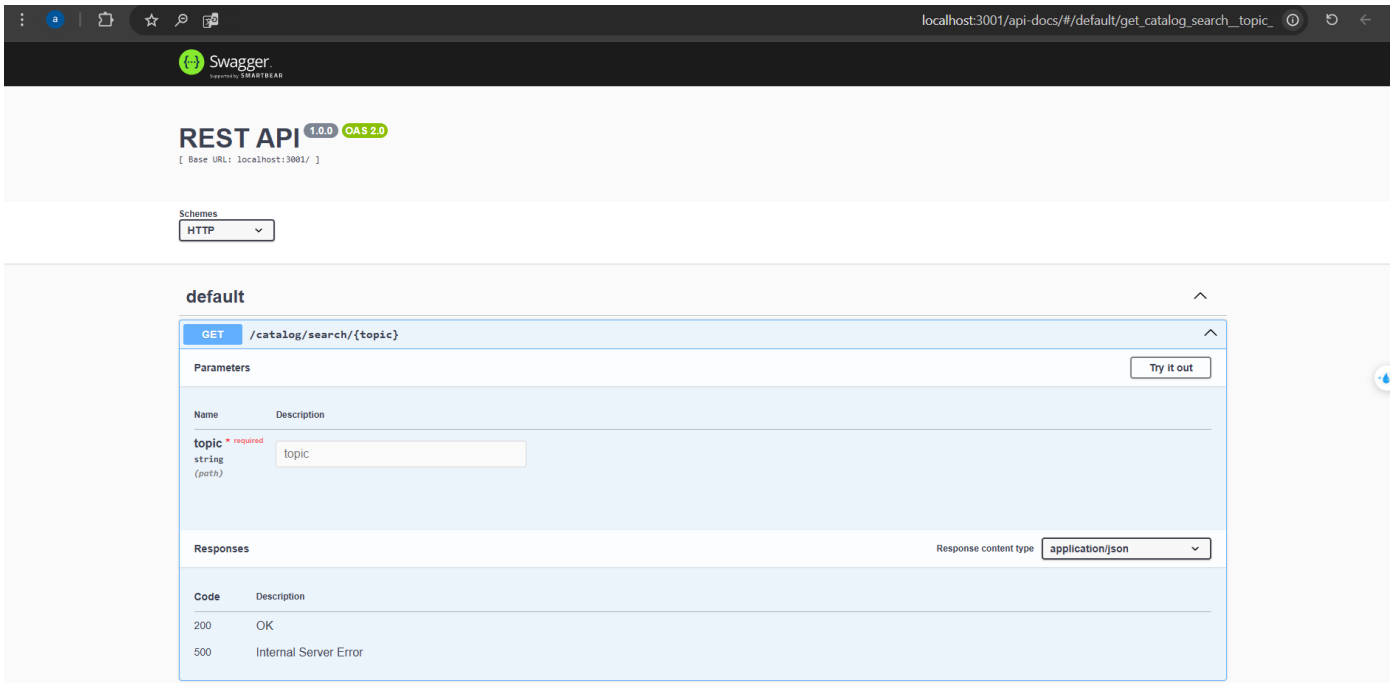
```
PS C:\xampp\htdocs\dos_project> docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
PS C:\xampp\htdocs\dos_project> docker-compose up --build -d
```

Report Part 1









Its Run !!