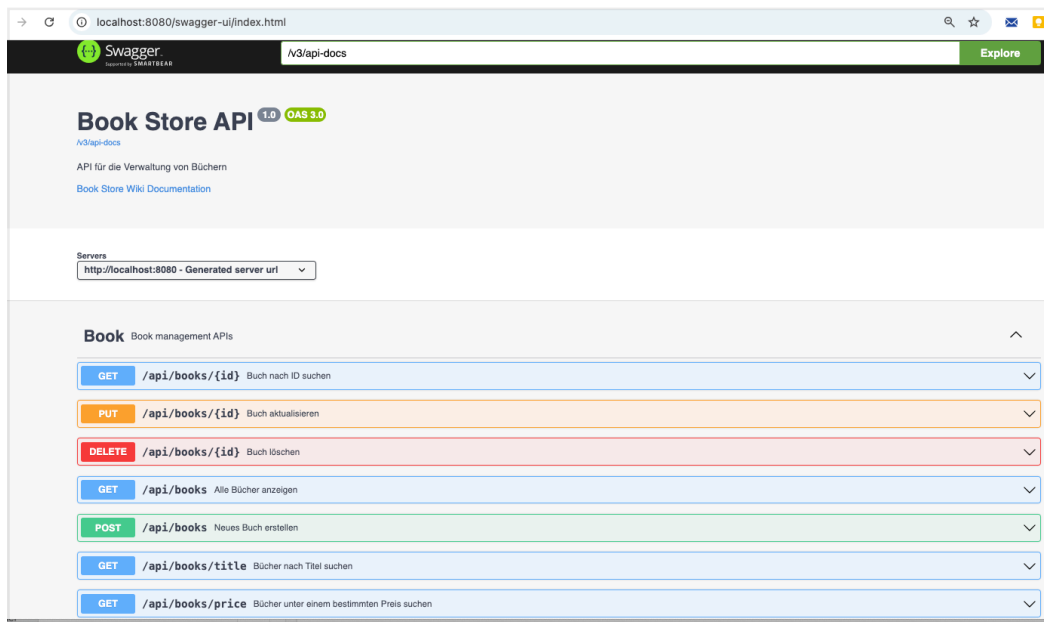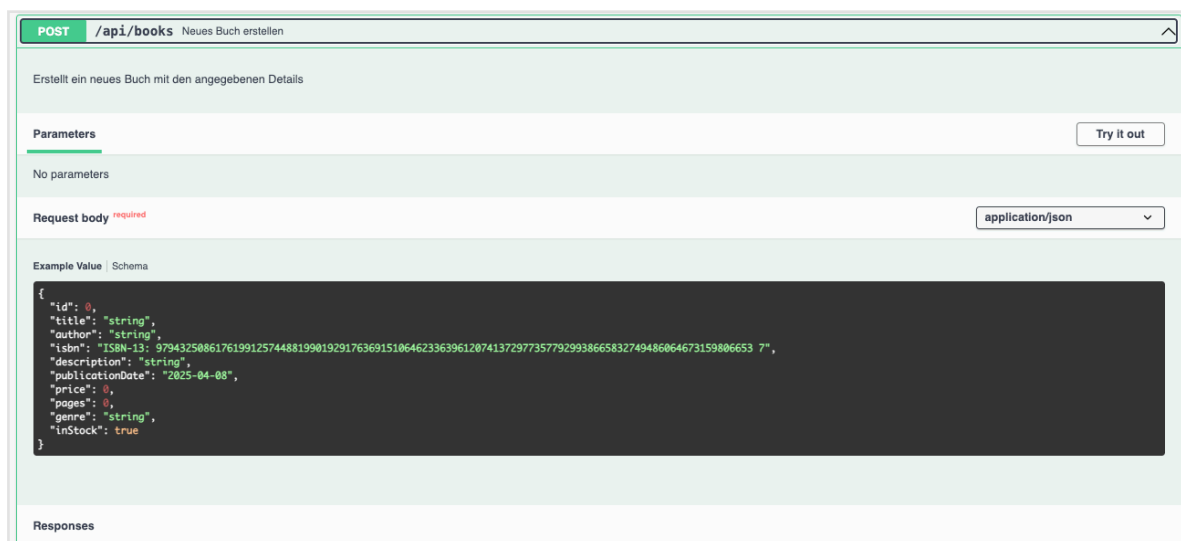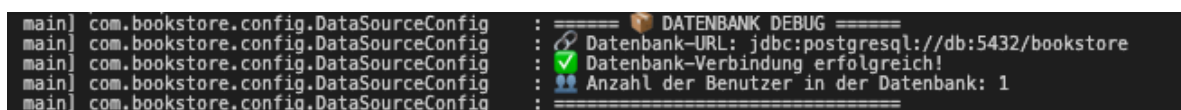## ✅ 1. Swagger API-Dokumentation

✅ 2. Beispiel-Endpunkt mit Swagger-Test

✅ 3.Spring Boot Start & Konfiguration

✅ 4.Login mit JWT-Token (Postman-Test)

POST ∨ | http://localhost:8080/api/auth/login | **Send** ∨

Params   Auth   Headers (10)   Body ●   Scripts   Settings   **Cookies**

raw ∨   **JSON** ∨   **Beautify**

```
1
2
3    {
4      "username": "admin",
5      "password": "admin"
6    }
7
```

Body ∨   🕐   **200 OK** · 402 ms · 562 B · 🌐   📝 Save Response   •••

{ } JSON ∨   ▷ Preview   ⚙ Visualize ∨

```
1    {
2        "token": "eyJhbGciOiJIUzI1NiJ9.
             eyJzdWIiOiJhZG1pbiIsImlhdCI6MTc0NDEwMTUxMiwiZXhwIjoxNzQ0MTg3OTEyfQ.
             YJ4P-ZsdbBCrMvVCdiUzYfiA4UaYO-Vm72cQFE3MCOY",
3        "username": "admin"
4    }
```

---

pgAdmin 4

Object Explo[rer]   Dashboard ✕   Properties ✕   ⛁ bookstore/admin@bookstore* ✕   ⛁ bookstore/admin... ✕

∨ ⛁ Servers (1)   🔗   bookstore/admin@bookstore ∨   ⛁
  ∨ 🗄 bookstore
    ∨ 🗃 Databases (4)   📁∨ 💾∨ ✎∨ 🔽∨ No limit ∨ ⬛ ▶ ▶▶∨ E ⬛∨ 🗂 🗂 ☰∨ ❓
      ∨ 🗄 bookstore   Query   Query History
        › 🔧 Casts   1   select * from users;
        › 🔖 Catalogs
        › 🔲 Event Triggers
        › 🔩 Extensions
        › 🗄 Foreign Data Wrappers   Data Output   Messages   Notifications
        › 🗂 Languages   ☰+ 📋∨ 📋∨ 🗑 🗂 ⬇ 📈 SQL   Showing rows: 1 to 1 ✎   Page No: 1   of 1 |◀ ◀◀ ▶▶ ▶|
        › 🔖 Publications
        › 🗂 Schemas   id   username   password   role   enabled
        › 🔩 Subscriptions   [PK] bigint character varying (255) character varying (255)   character varying (50) boolean
      › 🗄 postgres   1   1   admin $2a$10$EkilMzosj1c7p5kBIFA.ce8E1BbVDY5kF9XyYp41jRBXJEWQzneN2   ROLE_ADMIN   true
      › 🗄 template1
```

pgAdmin 4

Object Explo 🔄 ▦ 🔍 ▣     Dashboard ✕   Properties ✕   ⬡ bookstore/admin... ✕   ⬡ bookstore/admin@bookstore* ✕   ⋮

🔗   bookstore/admin@bookstore    ⌄   ⬡     ↻

▼ ▤ Servers (1)
  ▼ ⬡ bookstore
    ▼ ⬢ Databases (4)

📁⌄ 💾⌄ ✏⌄ 🔽⌄ No limit ⌄ ⏹ ▶ ▷⌄ E 📊⌄ 🗇 🗇 ☰⌄ ❓

      ▼ ⬢ bookstore     Query   Query History          ⤢    Scratch Pad ✕      ⤢
         > 🔷 Casts    1   select * from books;
         > 💠 Catalogs
         > 🗐 Event Triggers
         > 🔧 Extensions
         > 🗄 Foreign Data Wrappers
         > 🗄 Languages
         > 🐘 Publications     Data Output   Messages   Notifications                              ⤢
         > 💠 Schemas    ☰⁺ 🗐⌄ 📋⌄ 🗑 🗄 🔽 📈 SQL      Showing rows: 1 to 23 ✏   Page No: 1   of 1   ⏮ ◀◀ ▶▶ ⏭
         > 💠 Subscriptions

| | id  ✏<br>[PK] bigint | title  ✏<br>character varying (255) | author  ✏<br>character varying (255) | isbn  ✏<br>character varying (255) | description  ✏<br>character varying (2000) |
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▼ ⬢ postgres
▼ ⬢ template1
   ⬢ template0
> 🔑 Login/Group Roles
> 📁 Tablespaces