TaxEase Application III
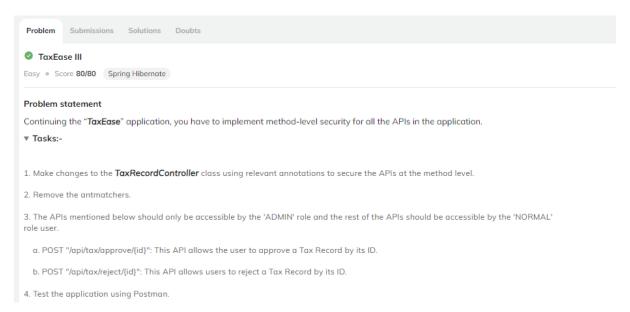
Problem Statement:

✔ TaxEase III

Easy • Score **80/80**   Spring Hibernate

Problem statement

Continuing the "**TaxEase**" application, you have to implement method-level security for all the APIs in the application.

▼ **Tasks:-**

1. Make changes to the **TaxRecordController** class using relevant annotations to secure the APIs at the method level.

2. Remove the antmatchers.

3. The APIs mentioned below should only be accessible by the 'ADMIN' role and the rest of the APIs should be accessible by the 'NORMAL' role user.

    a. POST "/api/tax/approve/{id}": This API allows the user to approve a Tax Record by its ID.

    b. POST "/api/tax/reject/{id}": This API allows users to reject a Tax Record by its ID.

4. Test the application using Postman.

Output:

Top window:

Home Workspaces ∨ API Network ∨ Explore   Search Postman   Invite   Upgrade ∨

GET http://localhost:8080/a   +

No Environment ∨

http://localhost:8080/api/tax/all   Save ∨

GET ∨   http://localhost:8080/api/tax/all   Send ∨

Params Authorization ● Headers (8) Body Pre-request Script Tests Settings   Cookies

Type   Basic Auth ∨   Username   john

The authorization header will be automatically generated when you send the request. Learn more about authorization ↗

Password   john123 ⚠

Body Cookies (1) Headers (11) Test Results   ⊕ Status: 200 OK Time: 220 ms Size: 444 B   Save as Example

Pretty Raw Preview Visualize   JSON ∨

```
1  [
2      {
3          "id": 16,
4          "userName": "John",
5          "taxYear": "2023",
6          "deductions": 1123,
7          "filingApproved": false,
8          "income": 0
9      }
10 ]
```

Online Find and replace Console   Postbot Runner Start Proxy Cookies Trash

Bottom window:

Home Workspaces ∨ API Network ∨ Explore   Search Postman   Invite   Upgrade ∨

POST http://localhost:8080/   +

No Environment ∨

http://localhost:8080/api/tax/approve/16   Save ∨

POST ∨   http://localhost:8080/api/tax/approve/16   Send ∨

Params Authorization ● Headers (9) Body Pre-request Script Tests Settings   Cookies

Type   Basic Auth ∨   Username   steve

The authorization header will be automatically generated when you send the request. Learn more about authorization ↗

Password   abc123 ⚠

Body Cookies (1) Headers (10) Test Results   ⊕ Status: 200 OK Time: 179 ms Size: 305 B   Save as Example

Pretty Raw Preview Visualize   Text ∨

```
1
```

Online Find and replace Console   Postbot Runner Start Proxy Cookies Trash