

Create User API

localhost:8080/createUsers

Request :

```
{
  "id": "7",
  "email": "hdbfs@gmail.com",
  "password": "santosh",
  "roles": ["ROLE_ADMIN"]
}
```

Response:

```
{
  "id": 7,
  "email": "hdbfs@gmail.com",
  "message": "User Registartion successfully"
}
```

Validation (If User alredy exist)

Request:

```
{
  "id": "7",
  "email": "hdbfs@gmail.com",
  "password": "santosh",
  "roles": ["ROLE_ADMIN"]
}
```

```
{
  "id": 7,
  "email": "hdbfs@gmail.com",
  "message": "User Already Exist"
}
```

Logging with user Credential to get JWT Token

Post API

Request:

localhost:8080/auth/login

```
{
  "email": "santoshm@gmail.com",
  "password": "santosh"
}
```

Response:

```
{
  "email": "santoshm@gmail.com",
  "accessToken": "eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiIxLHNhbnRvc2htQGdtYWlsLmNvbSIsIm1zcyI6IkhvZGVKZXZhiidXN1cm5hbWUiOiJzYW50b3NobUBnbWVpYb20iLCJyb2xlcYI6IltST0xFX0FETU1OXSI6Im1hdCI6MTY1NTAyMzU2OSwiZXhwIjojU1MTA5OTY5fQ.8Sj1I-MNB7vJy64LpnLgYG0scZYvgJ4V47cyQQ9Hj4Cg07NqA797PA51IOHhkn5DZ_1qovKmYq07U0UZsXZJJQ"
}
```

The screenshot shows the JWT.io website in a browser. The token `eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiIxLHNhbnRvc2htQGdtYWlsLmNvbSIsIm1zcyI6IkhvZGVKZXZhiidXN1cm5hbWUiOiJzYW50b3NobUBnbWVpYb20iLCJyb2xlcYI6IltST0xFX0FETU1OXSI6Im1hdCI6MTY1NTAyMzU2OSwiZXhwIjojU1MTA5OTY5fQ.8Sj1I-MNB7vJy64LpnLgYG0scZYvgJ4V47cyQQ9Hj4Cg07NqA797PA51IOHhkn5DZ_1qovKmYq07U0UZsXZJJQ` is entered into the input field. The token is decoded into three parts:

- HEADER: ALGORITHM & TOKEN TYPE**

```
{
  "alg": "HS512"
}
```
- PAYLOAD: DATA**

```
{
  "sub": "1,santoshm@gmail.com",
  "iss": "CodeJava",
  "username": "santoshm@gmail.com",
  "roles": "[ROLE_ADMIN]",
  "iat": 1655023569,
  "exp": 1655109969
}
```
- VERIFY SIGNATURE**

The browser's taskbar at the bottom shows the date and time as 14:17 on 12-06-2022.

Generate PDF Using API

Url

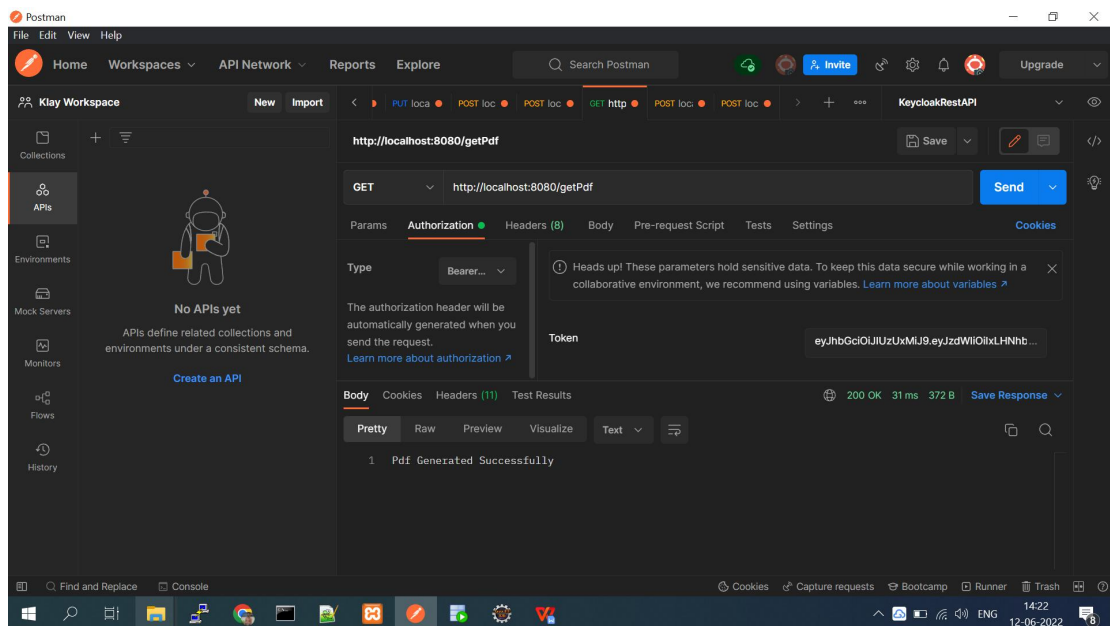
http://localhost:8080/getPdf

Request:

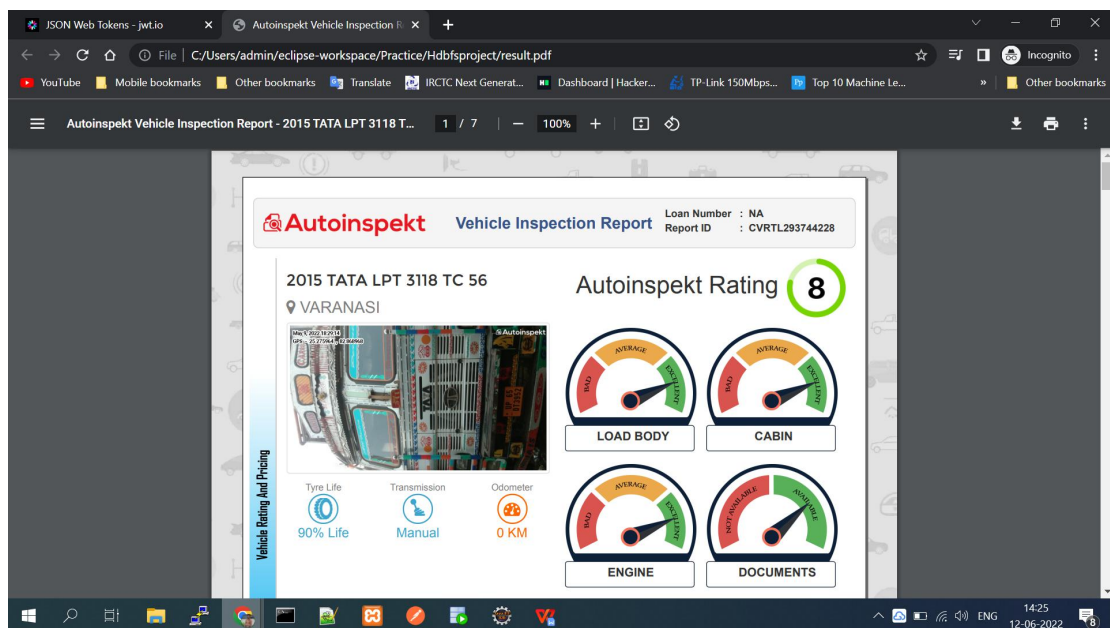
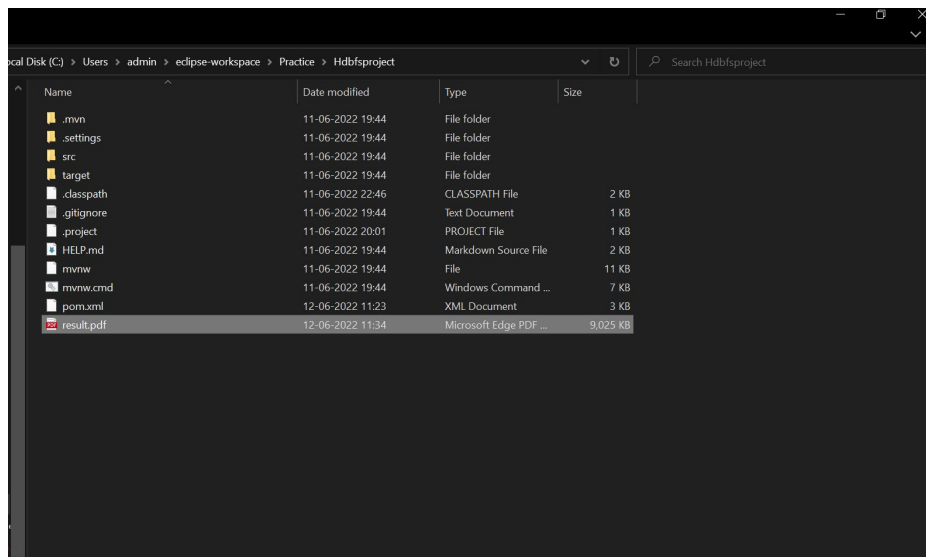
```
"Bearer  
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiIxLHNbnRvc2htQGdtYWlsLmNvbSIsImIzcyI6IkhvZGVKZXZhiwiidXN1cm5hbWUiOiJzYW50b3NobUBnbWZpbC5jb20iLCJyb2x1cyI6IltST0xFX0FETU10XSIsIm1hdCI6MTY1NTAyMzU2OSwiZXhwIjoxNjU1MTA5OTY5fQ.8Sj1I-  
wNB7vJy64LpnLgYG0scZYvgJ4V47cyQQ9Hj4Cg07NqA797PA51IOHhkn5DZ_1qovKmYq07U0UZsXZJ3Q
```

With JWT beare token in header

Having role Admin in access token



Response:



Role Validation for pdf Generation Api

Getting token of user who is having role as user not admin

localhost:8080/auth/login

Request:

```
{
  "email": "sant@gmail.com",
  "password": "santosh"
}
```

Response:

```
{
  "email": "sant@gmail.com",
  "accessToken": "eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiIyLHNhbnRAZ21haWwuY29tIiwiaXNzIjoIQTQ2ZUphdmEiLCJ1c2VybmFtZSI6InNhbnRAZ21haWwuY29tIiwicm9sZXMiOiJkUk9MRV9VU0VSXSI6Im1hdCI6MTY1NTAyNDIyMSwiZXhwIjoxNjU1MTEwNjIxZjQ.fbPx7HRsdvX4FXipv9SSOW5tLkmHJdTDRxxUbkAIO_vtnuGzZuv9IhTJWUVftdaxSwYS8CwCivG1UaVbSp0g"
}
```

JSON Web Tokens - jwt.io

Autospekt Vehicle Inspection

JWT

Debugger Libraries Introduction Ask

Crafted by auth0

eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiIyLHNhbnRAZ21haWwuY29tIiwiaXNzIjoIQTQ2ZUphdmEiLCJ1c2VybmFtZSI6InNhbnRAZ21haWwuY29tIiwicm9sZXMiOiJkUk9MRV9VU0VSXSI6Im1hdCI6MTY1NTAyNDIyMSwiZXhwIjoxNjU1MTEwNjIxZjQ.fbPx7HRsdvX4FXipv9SSOW5tLkmHJdTDRxxUbkAIO_vtnuGzZuv9IhTJWUVftdaxSwYS8CwCivG1UaVbSp0g

HEADER: ALGORITHM & TOKEN TYPE

```
{
  "alg": "HS512"
}
```

PAYLOAD: DATA

```
{
  "sub": "2,sant@gmail.com",
  "iss": "CodeJava",
  "username": "sant@gmail.com",
  "roles": "[ROLE_USER]",
  "iat": 1655824221,
  "exp": 1655110621
}
```

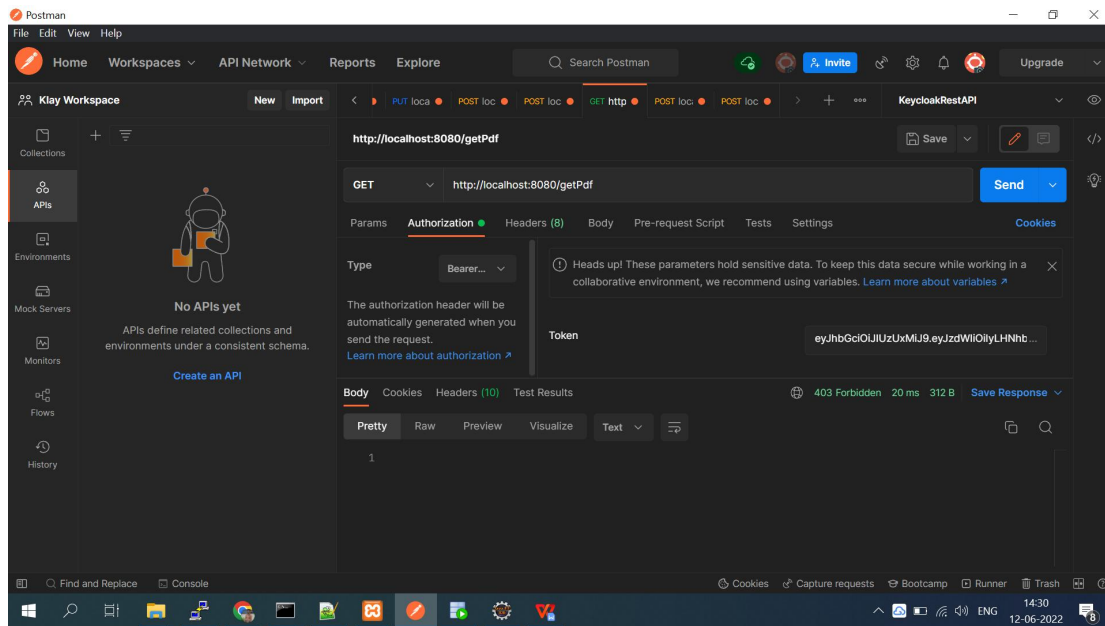
VERIFY SIGNATURE

14:28 12-06-2022

User Don't have Admin role

Now Testing pdf generate API with this token

API will give Not allow to generate pdf to this user because user don't have admin role



Database Logging user detail

[illegible]

User Table

The screenshot shows the Oracle SQL Developer interface. The top menu bar includes File, Edit, View, Database, Run, Source, Tools, Window, and Help. The main window is titled 'testdb' and shows a SQL script in the 'Script Builder' tab. The script contains the following SQL statements:

```

31 delete from roles;
32 select * from users;
33 select * from roles;
34 delete from roles where username='santoshm@gmail.com';
35 insert into roles values ('admin','santoshm@gmail.com');
36 update roles set name='ROLE_ADMIN' where username='santoshm@gmail.com';
37 delete from users where id in (3,4,5,6,7);
38 update roles set name='ROLE_USER' where username='sant@gmail.com';
39
40
41

```

The 'Script Output' tab shows the execution results, indicating that 2 rows were fetched in 0.002 seconds. The results are as follows:

id	email	password
1	santoshm@gmail.com	\$2a\$10\$dHv80hpoGntOH/hKocY.4O6RDRG/esvt9Oh3.W3wdToCmp4wYC
2	sant@gmail.com	\$2a\$10\$adLOYZlNh3n.Zi8npsYHtOX/4iHxZlZ2Z4lqarN9rJvKsafaucR2

The bottom status bar indicates 'Click on an identifier with the Control key down to perform a 'Go to Declaration'' and shows 'Line 30 Column 21'.

Roles Table

