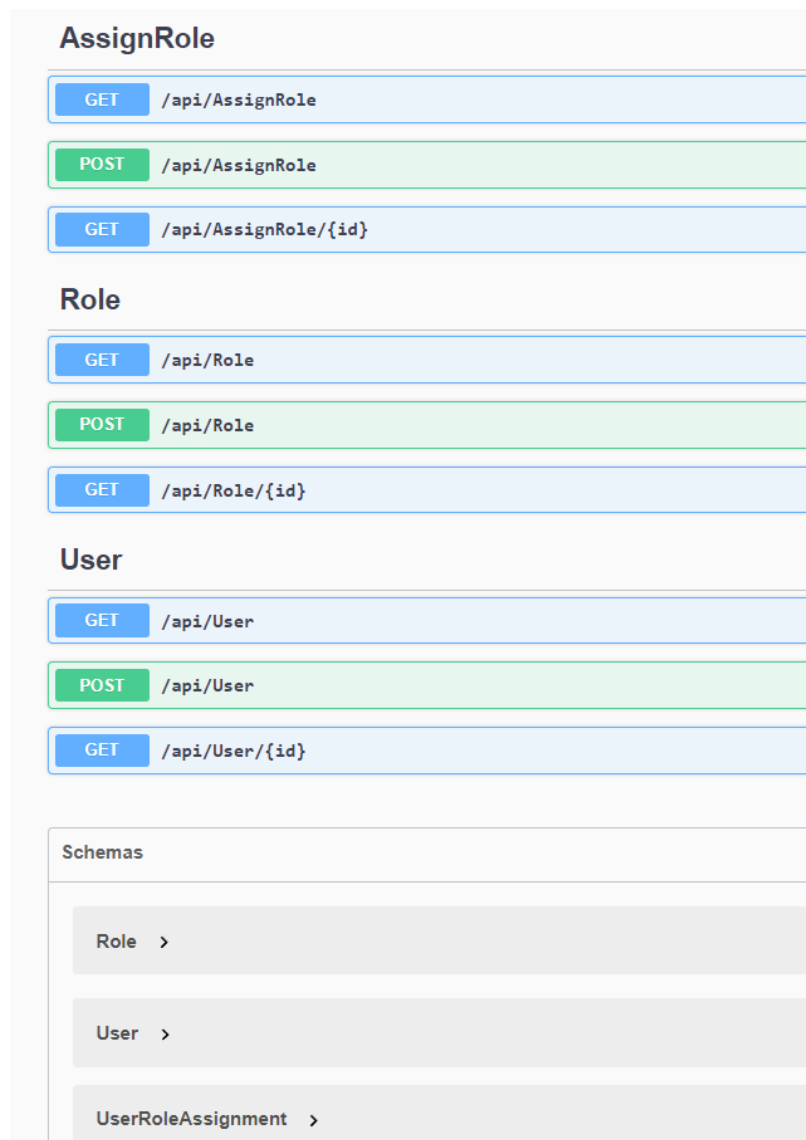


## Day 4: .NET with Code First approach, LINQ, and Login Page (23-May-24)

**Task: To Develop Backend Logic and Integrate with Database**

Swagger Web Api



## 1. Add UserId and UserName

- Here you don't have to provide the Id
- It will take By Default

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** /api/User
- Parameters:** No parameters
- Request body:**

```
{  "userId": 0,  "userName": "Rishi",  "password": "123"}
```
- Execute:** A blue button to execute the request.
- Responses:** A section showing the response details.
  - Curl:**

```
curl -X 'POST' \  'https://localhost:7204/api/User' \  -H 'accept: text/plain' \  -H 'Content-Type: application/json' \  -d '{  "userId": 0,  "userName": "Rishi",  "password": "123"  }'
```
  - Request URL:** https://localhost:7204/api/User
  - Server response:**

Code	Details
201	Response body
  - Response body:**

```
{  "userId": 1,  "userName": "Rishi",  "password": "123"}
```

Data Output				Messages	Notifications
	UserId [PK] integer	UserName text	Password text		
1	1	Rishi	123		
2	2	Jay	tatva		

## 2. Add RoleId and RoleName

- Here you don't have to provide the Id
- It will take By Default

**POST** /api/Role

Parameters

No parameters

Request body

```
{
  "roleId": 0,
  "roleName": "Java"
}
```

Execute

Responses

Curl

```
curl -X 'POST' \
  'https://localhost:7204/api/Role' \
  -H 'accept: text/plain' \
  -H 'Content-Type: application/json' \
  -d '{
    "roleId": 0,
    "roleName": "Java"
  }'
```

Request URL

https://localhost:7204/api/Role

Server response

Code	Details
201 <i>Undocumented</i>	<p>Response body</p> <pre>{   "roleId": 3,   "roleName": "Java" }</pre>

Data Output			Messages	Notifications
	RoleId [PK] integer	RoleName text		
1	1	Admin		
2	2	User		
3	3	Java		

### 3. Assigning Tasks

- Here you just have to provide the Id
- It will take Names by Default
- Multiple Roles can be applied to a user

**POST** /api/AssignRole

Parameters

No parameters

Request body

```
{
  "id": 0,
  "userId": 1,
  "userName": "string",
  "roleId": 3,
  "roleName": "string"
}
```

Execute

Responses

Curl

```
curl -X 'POST' \
  'https://localhost:7284/api/AssignRole' \
  -H 'accept: text/plain' \
  -H 'Content-Type: application/json' \
  -d '{
    "id": 0,
    "userId": 1,
    "userName": "string",
    "roleId": 3,
    "roleName": "string"
  }'
```

Request URL

https://localhost:7284/api/AssignRole

Server response

Code	Details
201	Response body

```
{
  "id": 1,
  "userId": 1,
  "userName": "Rishi",
  "roleId": 3,
  "roleName": "Java"
}
```

Data Output

Messages

Notifications

	<div><div>Id</div><div>[PK] integer</div><div></div></div>	<div><div>UserId</div><div>integer</div><div></div></div>	<div><div>UserName</div><div>text</div><div></div></div>	<div><div>RoleId</div><div>integer</div><div></div></div>	<div><div>RoleName</div><div>text</div><div></div></div>
1	1	1	Rishi	3	Java