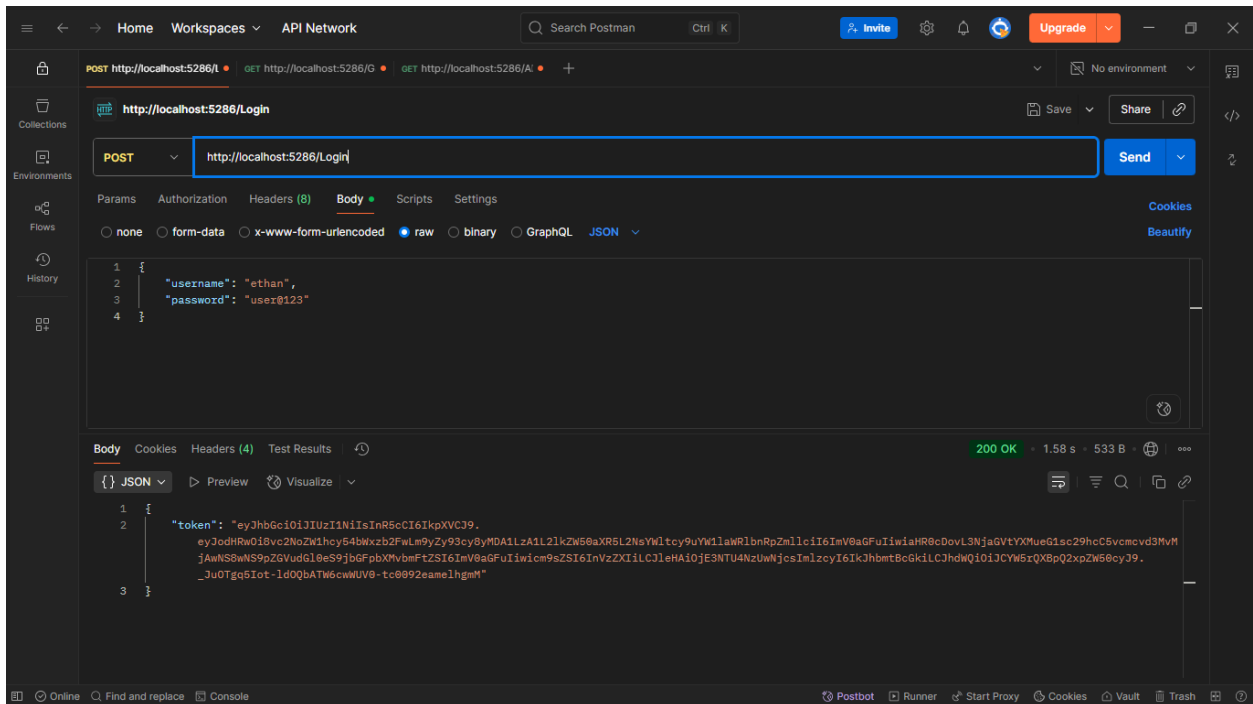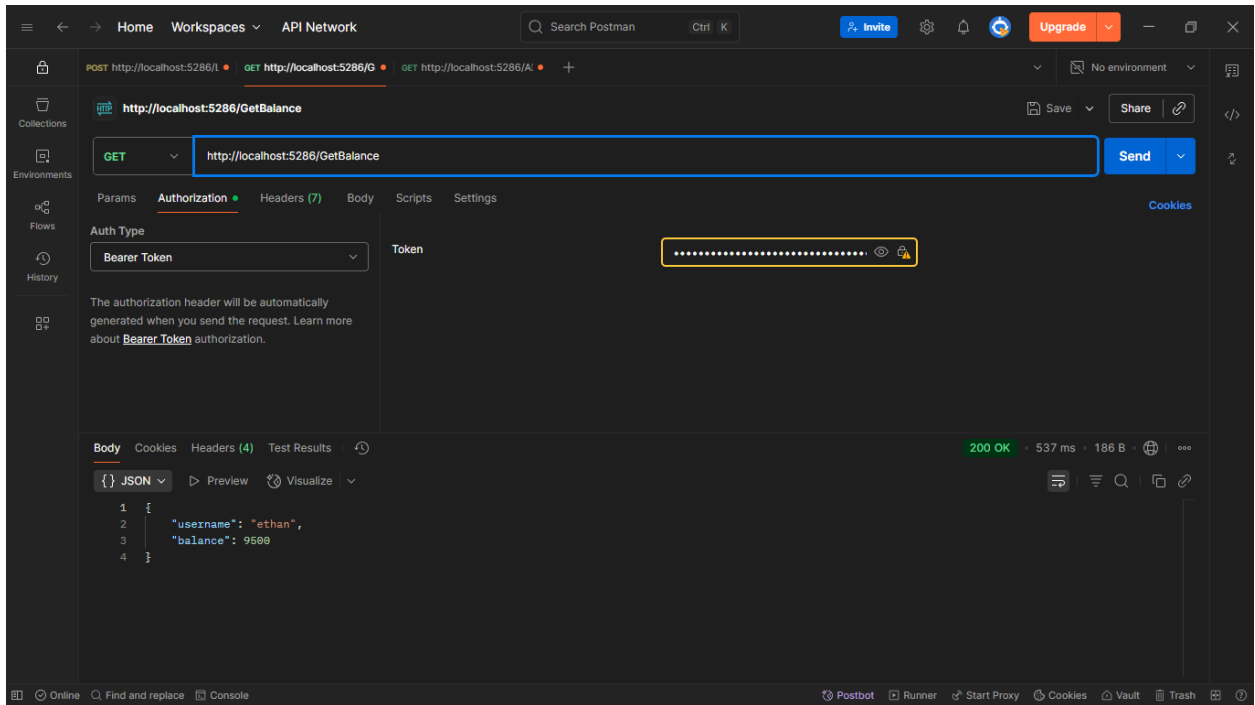# MINI PROJECT

22/08/2025

[GitHub](#)

1. Create fastapi project along with sqllite to store username, password and role.
2. Create ASP.net c# project with MSSQL server as backend with two tables.
   a. one table to store the: ban account number, amount in account, created date.
   b. another table to store the customer details: name and age.
   c. each customer can have more than one accounts. link these tables via foreign key.
3. in c#, login api should call the fast api login api to check the usename, password correctness.
4. once the credentials are ok, then the jwt token should be generated and provided.
5. only user with admin access can insert customer and back account details.
6. create an account balance api, which receives username as input and privides the balance amount accross all the accounts.
   a. logged in user can view the balance amount .
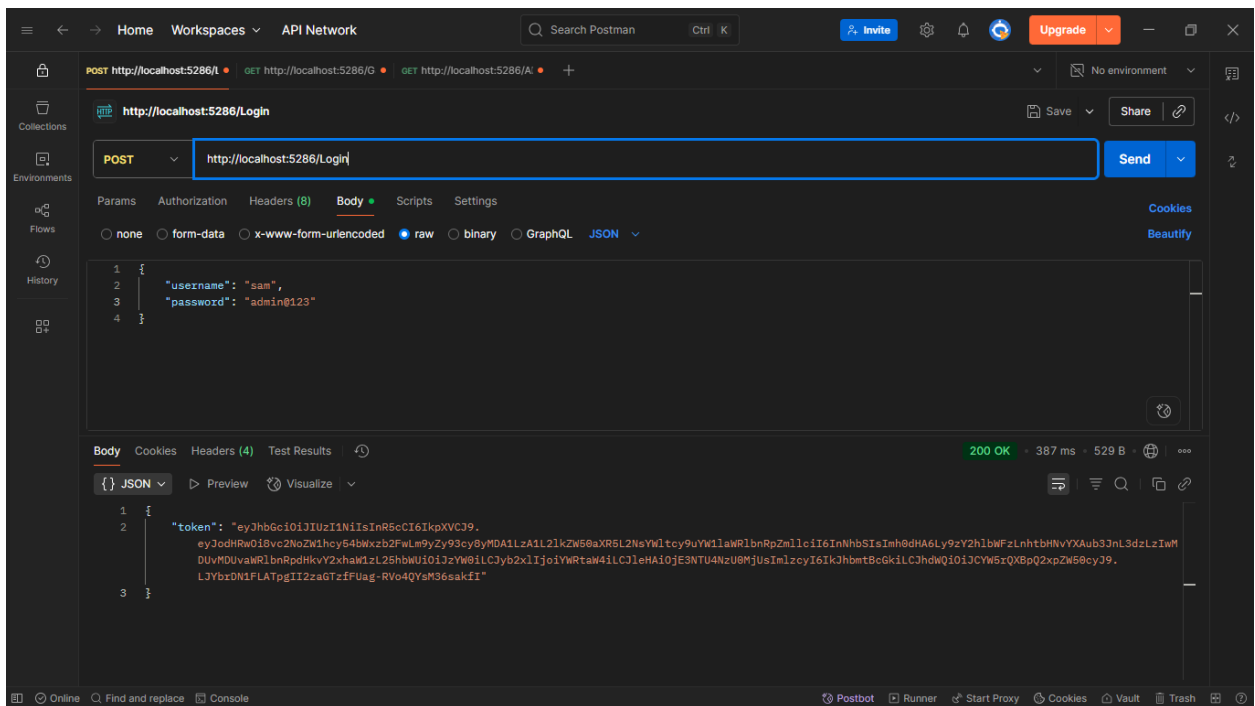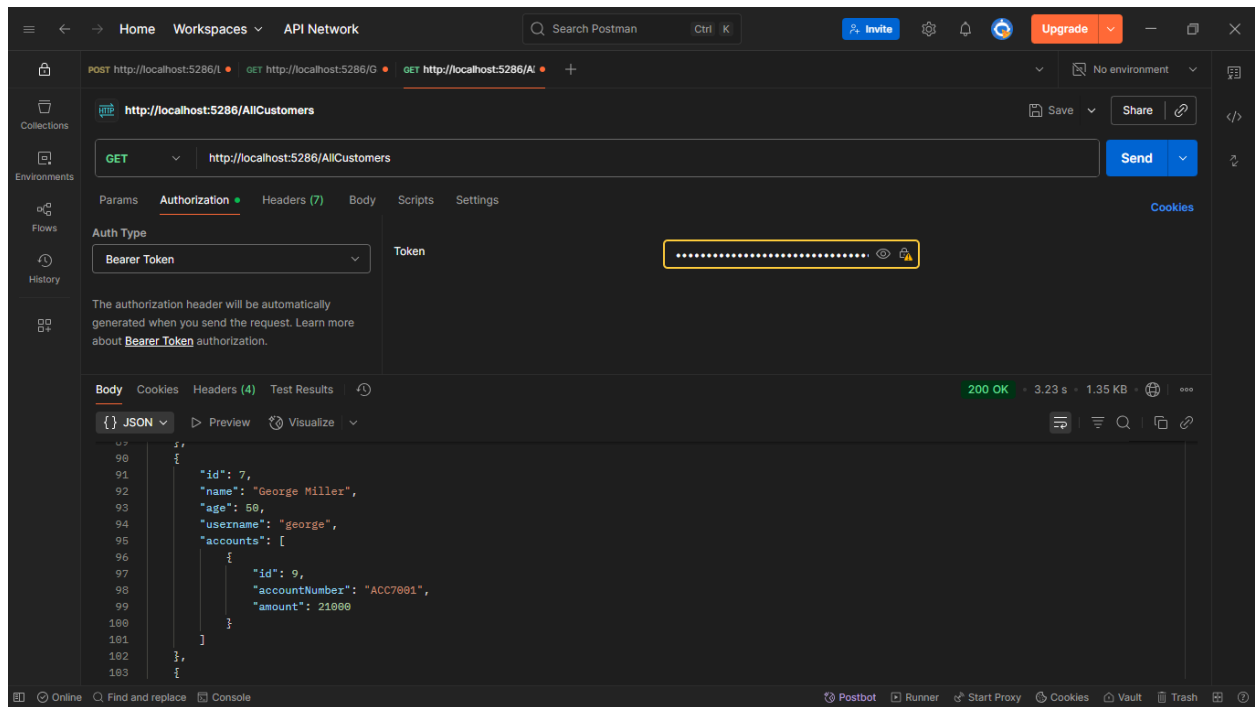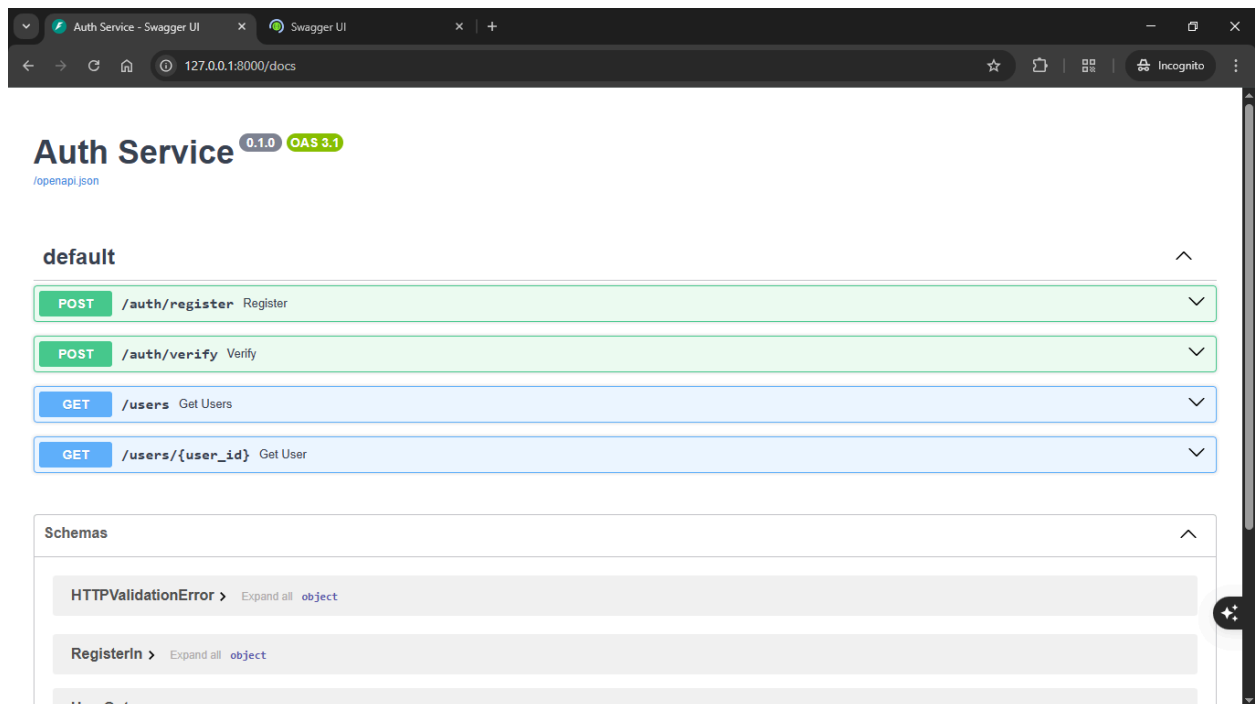
Login as Customer (Ethan)

Fetching Ethan bank details


```json
{
    "username": "ethan",
    "balance": 9500
}
```

Login in as Admin (Sam)


```json
{
    "username": "sam",
    "password": "admin@123"
}
```

```json
{
    "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93cy8yMDA1LzA1L2lkZW50aXR5L2NsYWltcy9uYW1lIjoiYW1lbnRpdHlcbGFpbXMiOiJuNhbSIsImh0dHA6Ly9zY2hlbWFzLnhtbHNvYXAub3JnL3dzLzIwMDUvMDUvaWRlbnRpdHkvY2xhaW1zL2hrdkY2xhaW1zL25hbWUiOiJzYW0iLCJyb2xlIjoiYWRtaW4iLCJleHAiOjE3NTU4NzU0MjUsImlzcyI6IkJhbmtBcGkiLCJhdWQiOiJCYW5rQXBpQ2xpZW50cyJ9.LJYbrDN1FLATpgII2zaGTzfFUag-RVo4QYsM36sakfI"
}
```

Fetching all customer details as Admin


```
90     }
91     {
            "id": 7,
            "name": "George Miller",
            "age": 50,
            "username": "george",
            "accounts": [
                {
                    "id": 9,
                    "accountNumber": "ACC7001",
                    "amount": 21000
                }
            ]
        },
        {
```

FastAPI Service

.NET Bank API Service