Signup and Login (JWT Authentication)

Plan to complete the given project feature

For storing user data , I am using Postgresql database and for Api , I am using FastAPI.

I am creating API endpoint for user register, login and logout.

For registration :

I am including

1. **Userid**
2. **Username**
3. **Email id**
4. **Password**

For login:

I am including

1. **Email id**
2. **Password**

API Endpoints:

1. User Registration:

Endpoint: /register (POST)

Request Body: (userid (integer): Unique for every user , username (string): User's username , email (string): User's email address , password (string): User's chosen password.)

Response: (Successful registration: 201 Created , Error: HTTP status code with an error .)

2. User Login:

Endpoint: /login (POST)

Request Body: (email (string): User's registered email address, password (string): User's password.)

Response: (Successful login: 200 OK with JWT token, Invalid credentials: 401 Unauthorized)

3. **Logout :**

Endpoint: /logout (POST)

Database Schema:

Users Table:

userid (Primary Key)

username

email (Unique)

password (Hashed)

SignUp	
UserId	**integer**
username	string
email	string
password	string

User	
userid_	**integer**
username	string
email	string
password	string

SignIn	
email	string
password	string

Firstly, the user needs to register or sign up, and their data will be stored in the User Table in PostgreSQL (Database). Upon subsequent logins, the system will first check if the user data (email id and password) is available. If the data exists, the user will successfully log in; otherwise, the user will need to sign up.

I am researching to add the feature of automatic login after signup.

User-Defined Search Folder

Here , I am providing user to input or paste their folder drive link in input box.

Then , I am extracting the folder id from that drive link .

I will pass that folder id to load_data function

Bonus Task - OneDrive Integration

For this , after completing JWT authentication and search folder then I will start working on this.