

Backend for blog

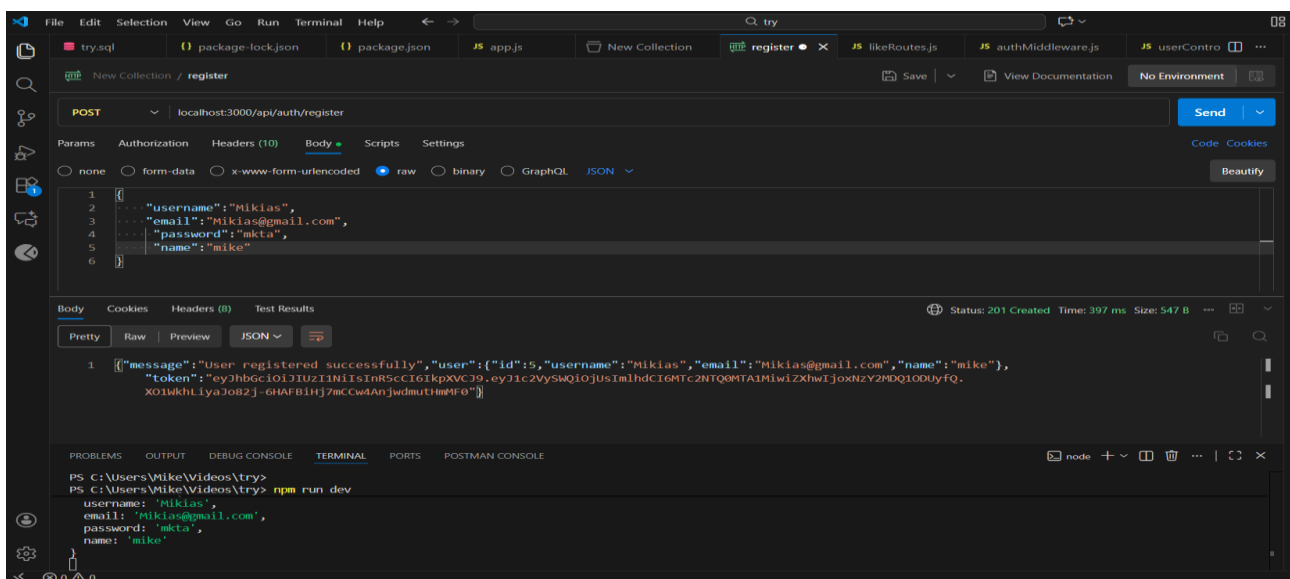
Libraries and tools used

- **Node**
- **Express**
- **PostgreSQL(and pgadmin)**
- **CORS**
- **JWT**
- **Bcrypt**

Functionalities and Features

- **User Registration and Login with JWT authentication**
- **Follow and Unfollow**
- **Create read update and delete blog**
- **Rate blog**
- **Create edit and delete comment on blogs**
- **like unlike blogs**
- **Search blog by title or by user**

All the mentioned functionalities and features have been implemented and tested using postman extension on vs code and proved to be working, however from the required features I had trouble including profile pictures and did not include it, every other thing is done and here are few SELECTED screenshots.



register

pgAdmin 4

File Object Tools Edit View Window Help

public.try/try/post... x public.users/postg... x public.users/try/p... x public.users/try/p... x public.blogs/try/p... x public.users/try/postgres@PostgreSQL

public.users/try/postgres@PostgreSQL 18

Query Query History

```
1 SELECT * FROM public.users
2 ORDER BY userid ASC
```

Scratch Pad x

Data Output Messages Notifications

Showing rows: 1 to 4 Page No: 1 of 1

userid [PK] integer	username character varying (50)	email character varying (100)	password character varying (255)	name character varying (100)	role character varying (20)
1	testuser	test@email.com	plain_for_now	Test User	User
2	danil	danike@gmail.com	\$2a\$10\$eoyNOJ.BhyLVEXvBxceu0tWXKvQghfm4d5ra0Bgy4s/FZTuhwLS	kebeledani	User
3	abel	abela@gmail.com	\$2a\$10\$06xytN1xI7pPn.e9Wfi7q.uBbHH0nD1Wp0g8XDKePw.JtyNHO5ao...	belit	User
4	Mikias	Mikias@gmail.com	\$2a\$10\$LH6ZlsNwEk7.UJwO0310s08GBRa9VAcGFw0ESRD/Hath7Sfaat...	mike	User

Total rows: 4 Query complete 00:00:00.175 CRLF

create blog

File Edit Selection View Go Run Terminal Help

try

create blog

POST localhost:3000/api/blogs

Send

Params Authorization Headers (10) Body Scripts Settings

Code Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON

Beautify

```
1 {
2   "userId": 5,
3   "title": "Building road",
4   "content": "we need road "
5 }
6 }
```

Body Cookies Headers (8) Test Results

Status: 201 Created Time: 51 ms Size: 483 B

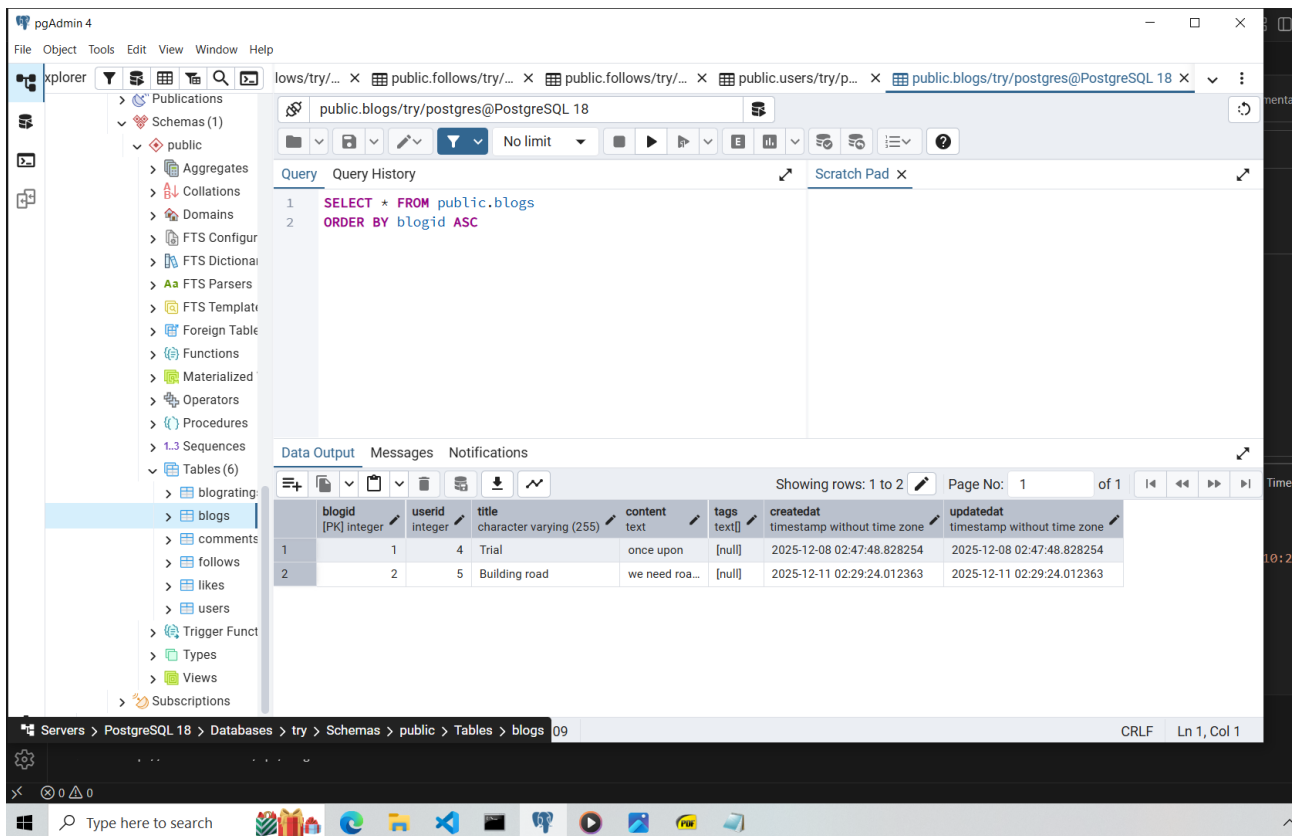
Pretty Raw Preview JSON

```
1 {
  "message": "Blog created successfully",
  "blog": {
    "blogid": 2,
    "userid": 5,
    "title": "Building road",
    "content": "we need road ",
    "tags": null,
    "createdat": "2025-12-11T10:29:24.012Z",
    "updatedat": "2025-12-11T10:29:24.012Z"
  }
}
```

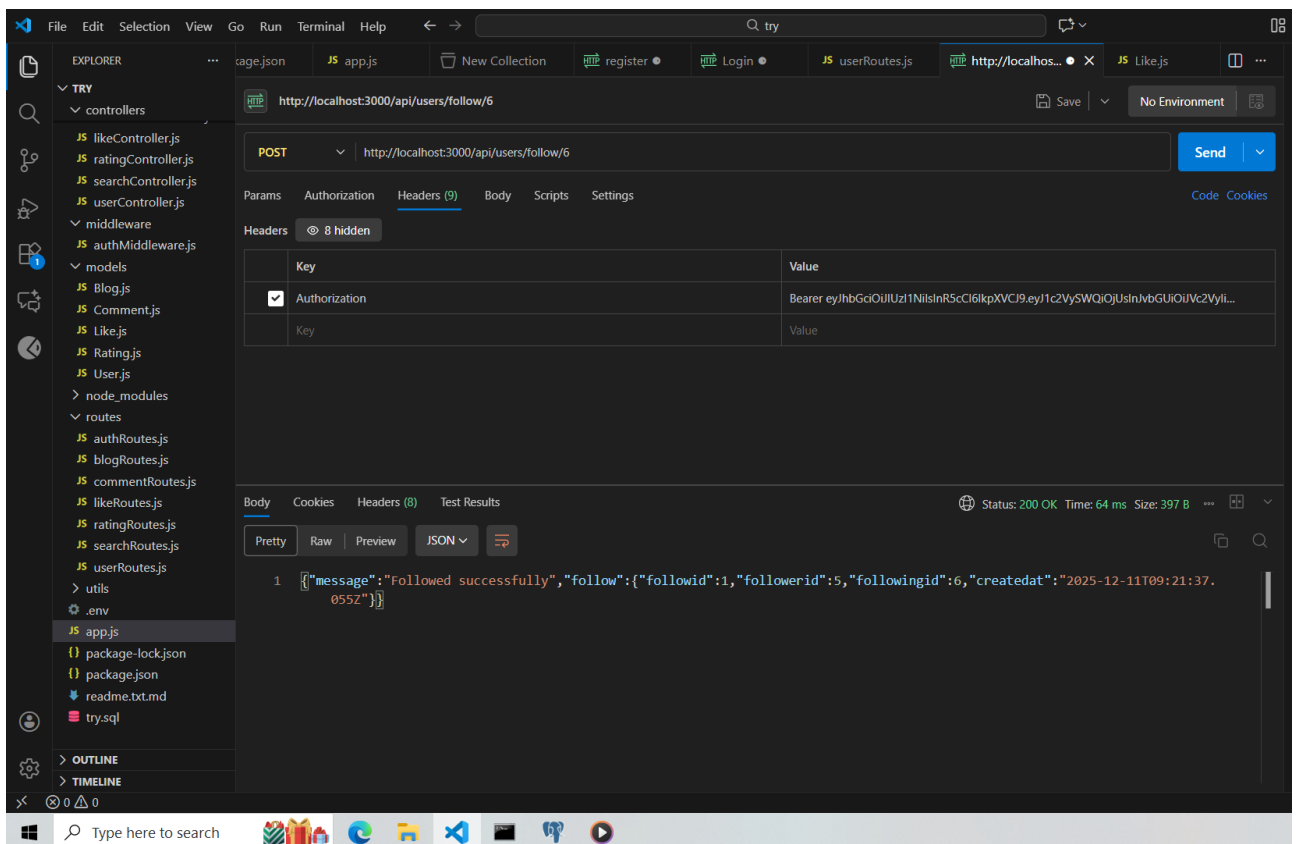
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POSTMAN CONSOLE

All Logs Clear

Blog created



then follow /unfollow



pgAdmin 4

File Object Tools Edit View Window Help

public.follows/try/postgres@PostgreSQL 18

Query

```

1 SELECT * FROM public.follows
2 ORDER BY followid ASC

```

Data Output

	followid [PK] integer	followerid integer	followingid integer	createdat timestamp without time zone
1	1	5	6	2025-12-11 01:21:37.055786

Showing rows: 1 to 1 Page No: 1 of 1

Total rows: 1 Query complete 00:00:00.227 CRLF Ln 1, Col 1

File Edit Selection View Go Run Terminal Help

http://localhost:3000/api/users/unfollow/6

DELETE http://localhost:3000/api/users/unfollow/6

Params Authorization Headers (8) Body Scripts Settings

Headers 7 hidden

Key	Value
Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOiJ1c2Vybm91dGVzZyYiwiWF0iOiJoxNzY1...
Key	Value

Body Cookies Headers (8) Test Results

1 [{"message": "Unfollowed successfully"}]

Status: 200 OK Time: 53 ms Size: 304 B

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POSTMAN CONSOLE

Ready to explain and answer questions.