

CS187 - BEE (Backend Engineering)

ST2 - Projects

TO-DO LIST TWITTER CLONE

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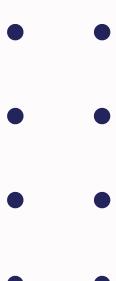
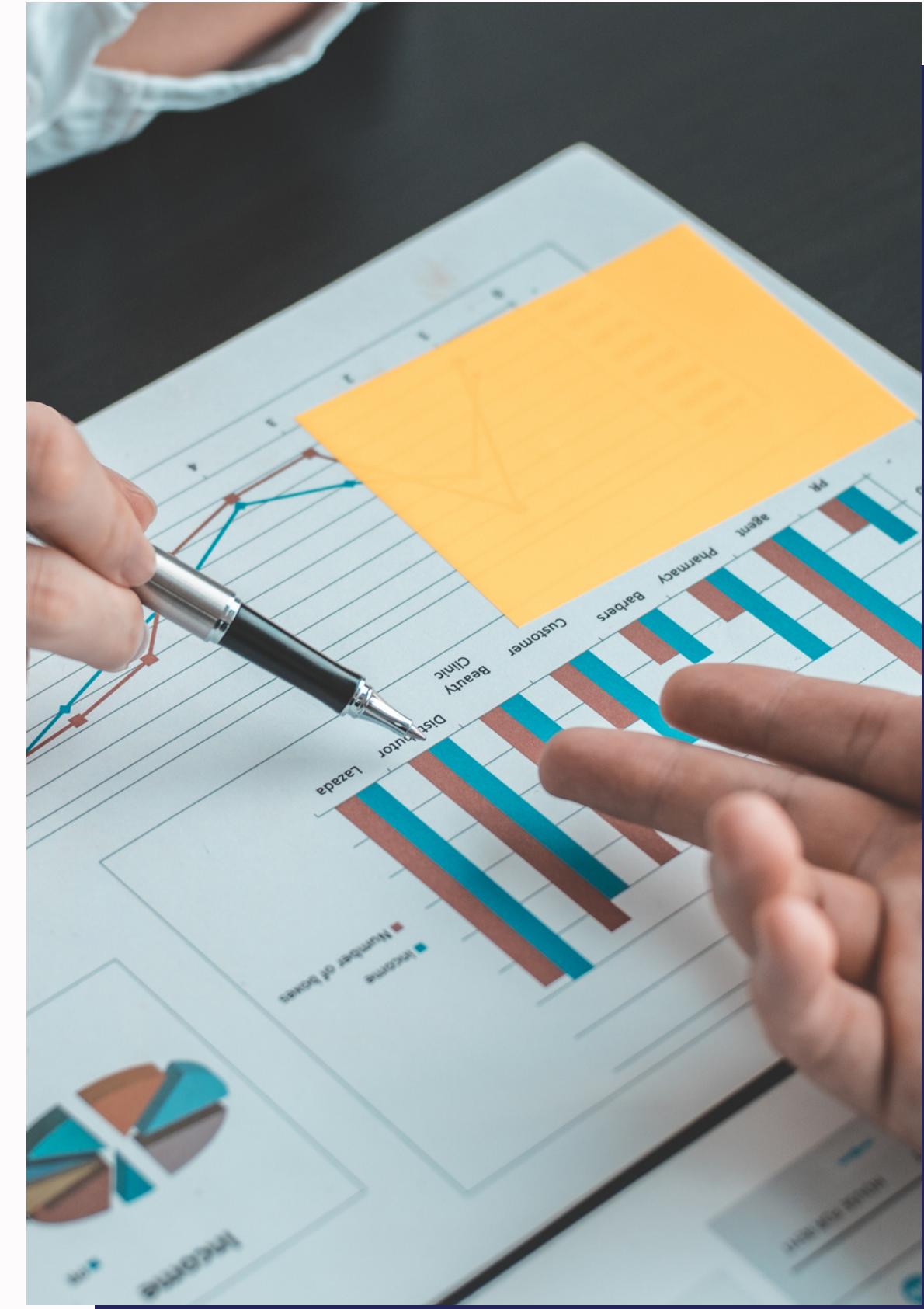
Brief Overview

To-do list:

To help individuals and groups stay productive, organized, and focused, I created a to-do list application.

Twitter Clone:

For my own project, I cloned the widely used application X (formerly known as TWITTER).



Utilization

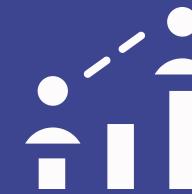
Here are some real-life uses for the applications I've developed.

To-Do List



Proper Time Management

Increased Productivity



Social and Professional Networking



Real Time News and Information Sharing



Twitter Clone



Technologies

- 01** HTML
- 02** CSS
- 03** JAVASCRIPT
- 04** NODE JS
- 05** EXPRESS
- 06** REACT
- 07** MONGODB

Frontend (To-do List)

This is main pages made for the front end
of To-do list



Login to continue

Email

Password

Remember me [Forgot Password?](#)

LOGIN

or sign up using



Sign Up to Join

Name

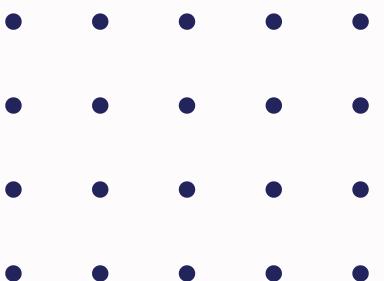
Email

Password

Remember me

SIGN UP

or login using



BI

Pages / Dashboard
Dashboard

Dashboard

Data

Billing

Inventory

Tasks

Profile

START

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Projects

✓ 30 done this month

TASK NAME	ASSIGNED TO	DU DATE	PRIORITY	STATUS	ACTIONS
task 1	vishal	Wed Dec 20 2023	High	Not Started	ACTIONS ▾
task 2	VV	Fri Dec 08 2023	High	Not Started	ACTIONS ▾

Pages / Dashboard
Dashboard

Add New Task

Task Name

Assigned To

Due Date

Priority

Status

ADD TASK

Pages / Dashboard
Dashboard

Edit Task

Task Name

Assigned To

Due Date

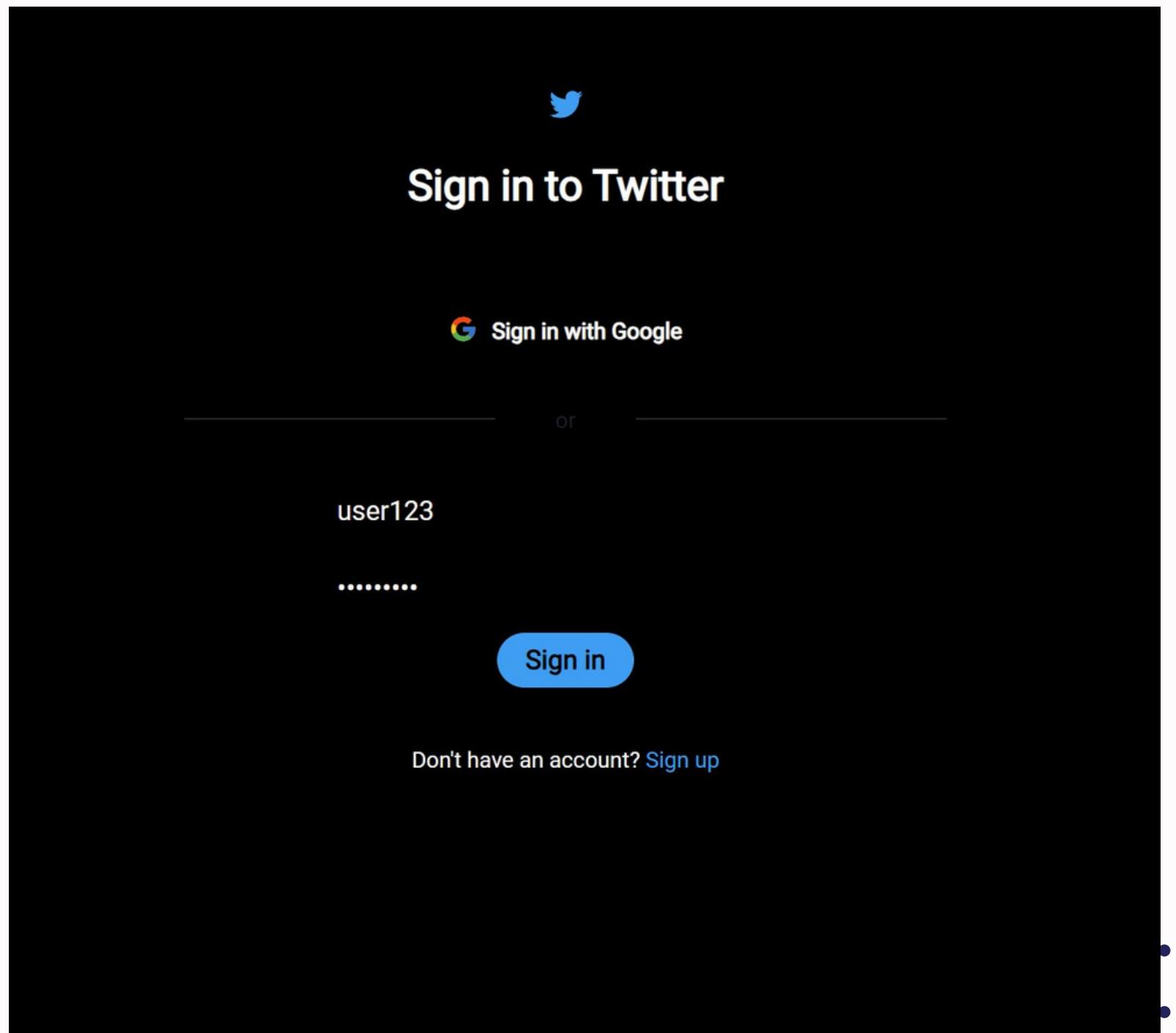
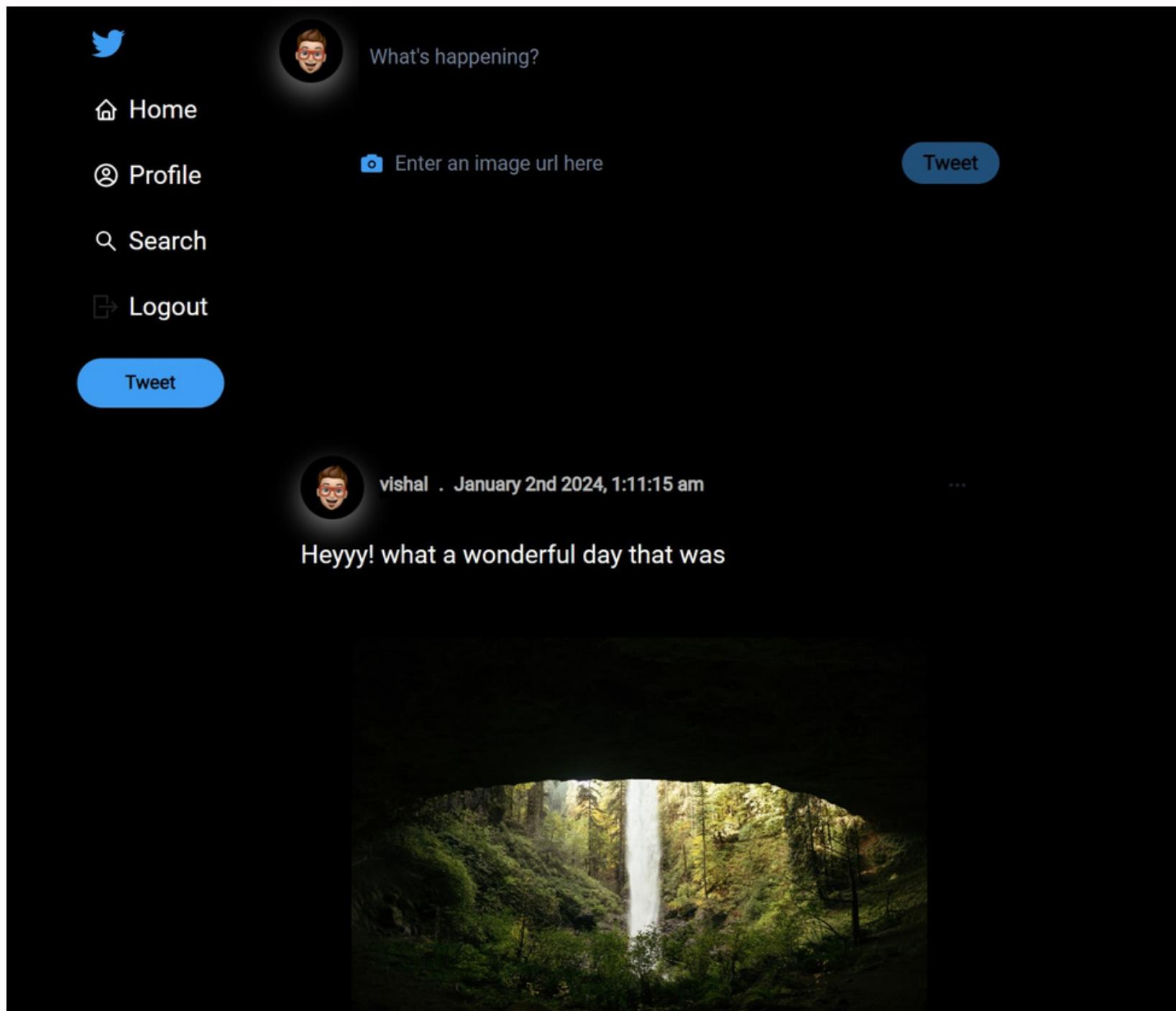
Priority

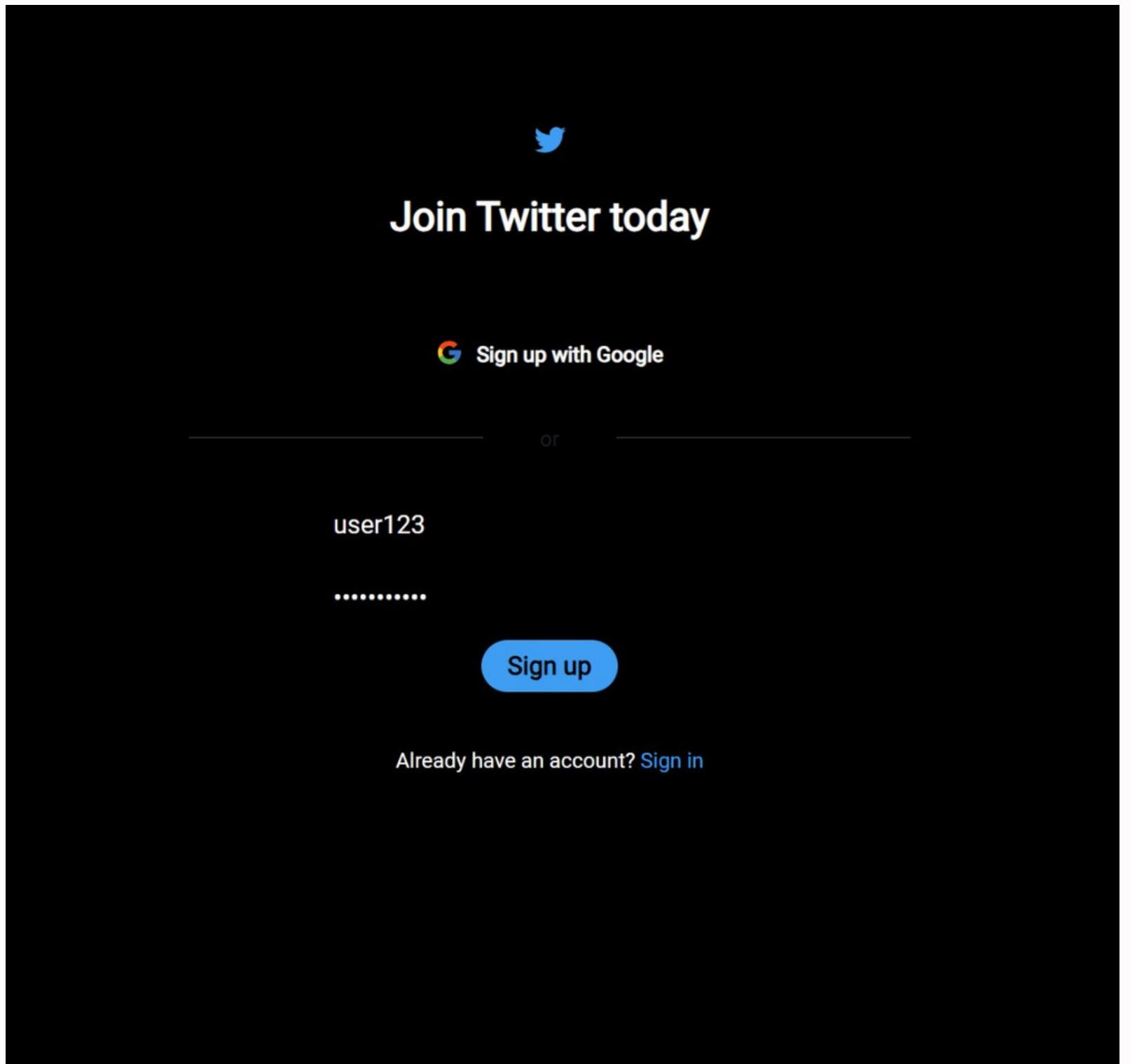
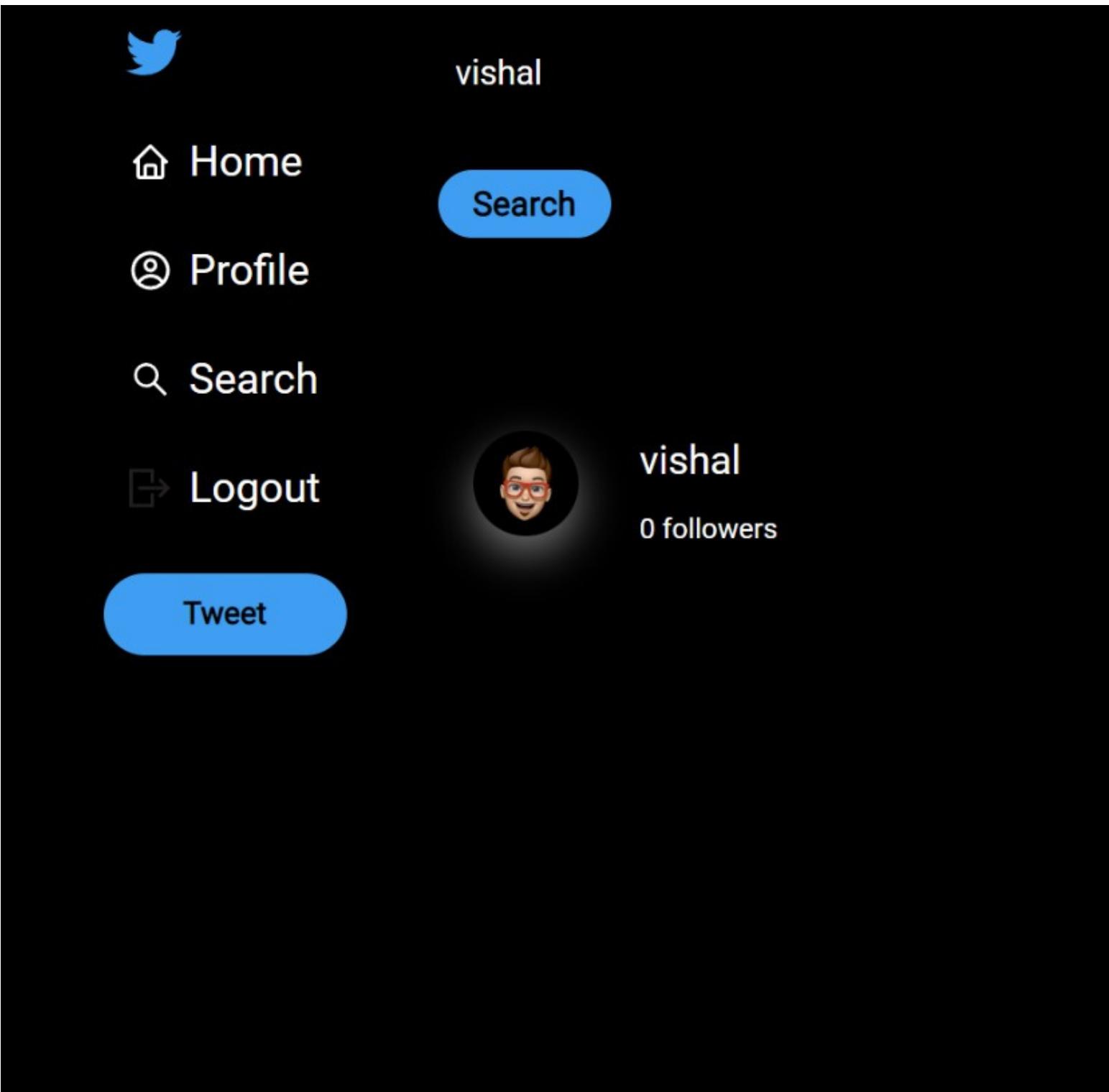
Status

EDIT TASK

Frontend (Twitter)

Here I've inserted some screenshots of the frontend





POSTMAN



BACKEND (To-Do List)

Here I've attached the postman request screenshots for my application

You are using the Lightweight API Client, sign in or create an account to work with collections, environments and unlock all free features in Postman.

HTTP <http://localhost:5000/feed/comments/:6592a24c47eab1a2c43fbaed>

POST <http://localhost:3000/api/user/login>

Params Authorization Headers (11) Body Pre-request Script Tests Settings

Body (JSON)

```
1
2   "username": "abc@abc.com",
3   "password": "vishal123"
4 }
```

Body Cookies (1) Headers (12) Test Results

Pretty Raw Preview Visualize JSON

```
1
2   "message": "Authentication successful"
3 }
```

6592a24c4:
6592a24c4:
6592a24c4:
6592a24c4:

You are using the Lightweight API Client, sign in or create an account to work with collections, environments and unlock all free features in Postman.

HTTP <http://localhost:5000/feed/comments/:6592a24c47eab1a2c43fbaed>

GET <http://localhost:3000/api/tasks/all>

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Body (JSON)

This request does not have a body.

Body Cookies (1) Headers (11) Test Results

Pretty Raw Preview Visualize JSON

```
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
```

```
{
  "dueDate": "2023-12-20T00:00:00.000Z",
  "priority": "High",
  "taskstatus": "Not Started",
  "__v": 0
},
{
  "_id": "6591e68f6a4503004edc7b0",
  "taskID": 1704037992401860,
  "username": "abc@abc.com",
  "taskName": "task 2",
  "assignedTo": "v",
  "dueDate": "2023-12-08T00:00:00.000Z",
  "priority": "High",
  "taskstatus": "Not Started",
  "__v": 0
},
{
  "_id": "65931bdf81e25e8a2fcbe4d1",
  "taskID": 1704139743842565,
  "username": "abc@abc.com",
  "taskName": "task 3",
  "assignedTo": "user 3",
  "dueDate": "2023-12-07T00:00:00.000Z",
  "priority": "Low",
  "taskstatus": "Not Started",
  "__v": 0
}
```

Status: 200 OK Time: 77 ms Size: 1.06 KB Save R

You are using the Lightweight API Client, sign in or create an account to work with collections, environments and unlock all free features in Postman.

HTTP <http://localhost:3000/api/tasks/all>

POST <http://localhost:3000/api/tasks/add>

Params Authorization Headers (11) Body Pre-request Script Tests Settings

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

```
1 {"taskName": "New",  
2 "assignedTo": "user1",  
3 "dueDate": "2013-12-10",  
4 "priority": "High",  
5 "taskstatus": "In Progress"}  
6  
7
```

Body Cookies (1) Headers (11) Test Results

Pretty Raw Preview Visualize JSON

```
1 {"message": "Task added successfully"}  
2  
3
```

HTTP <http://localhost:3000/api/tasks/all>

POST <http://localhost:3000/api/tasks/edit>

Params Authorization Headers (11) Body Pre-request Script Tests Settings

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

```
1 {"taskName": "Old",  
2 "assignedTo": "user1",  
3 "dueDate": "2013-12-10",  
4 "priority": "High",  
5 "taskstatus": "In Progress",  
6 "taskID": "1704144592958691"}  
7  
8
```

Body Cookies (1) Headers (11) Test Results

Pretty Raw Preview Visualize JSON

```
1 {"message": "Task updated successfully"}  
2  
3
```

Status: 200 OK

BACKEND (Twitter)

Here I've attached the postman request screenshots for my application

POST http://localhost:5000/signup

Body (JSON)

```
1 "username": "user123",
2 "password": "user123"
```

POST http://localhost:5000/

Body (JSON)

```
1 "username": "vishal",
2 "password": "vishal123"
```

Status: 200 OK Time: 342 ms Size: 490

```
1 "status": "ok",
2 "user": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
3         eyJpZCI6IjY1OTMwZjI5NzQwYTgxNmNhYT4NjFhYiIsInVzZXJuYW1lIjoidmlzaGFsIiwiaWF0IjoxNzA0MTQyMDI5LCJleHAiOjE3MDQyMjg0Mj19.
4         L0xa4CP0WqY4zsawaixBRYX2uJSZIHOzae0mumirRk"
```

HTTP <http://localhost:5000/feed>

GET http://localhost:5000/feed

Headers (8)

Key	Value
x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjY1OTMwZjI5NzQwYTgxN
Key	Value

Body

```

1 "status": "ok",
2 "tweets": [
3   {
4     "_id": "6593155b740a816caa2864e4",
5     "content": "Heyyy! what a wonderful day that was",
6     "postedTweetTime": "January 2nd 2024, 1:11:15 am",
7     "likes": [
8       "vishal"
9     ],
10    "likeTweetBtn": "deeppink",
11    "retweetBtn": "green",
12    "isRetweeted": false,
13    "retweets": [
14      "vishal"
15    ],
16    "isEdited": false,
17    "comments": [],
18    "createdAt": "2024-01-01T19:41:15.193Z",
19    "updatedAt": "2024-01-01T19:43:28.361Z",
20    "__v": 2,
21    "image": "https://images.unsplash.com/photo-1703872617068-638c7d02e743?q=80&w=2670&auto=format&fit=crop&ixlib=rb-4.0.3&
22      ixid=M3wxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8fA%3D%3D",
23    " "
  ]
]

```

HTTP <http://localhost:5000/feed/comments/:6592a24c47eab1a2c43fbaed>

GET http://localhost:5000/feed/comments/:6593155b740a816caa2864e4

Headers (8)

Query Params

Key	Value
Key	Value

Path Variables

Key	Value
6593155b740a816caa2864e4	Value

Body

```

1 "status": "ok",
2 "tweet": []

```

HTTP <http://localhost:5000/feed/comments/:6592a24c47eab1a2c43fbaed>

Save </>

GET http://localhost:5000/search/:abc@abc.com Send

Params • Authorization • Headers (10) Body • Pre-request Script Tests Settings Cookies

Headers 9 hidden

Key	Value	Bulk Edit
x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjY1OTMwZjI5NzQwYTgxNmNhYTI4NjFhYiIsInV...	
Key	Value	

Body Cookies Headers (8) Test Results Status: 200 OK Time: 294 ms Size: 293 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {  
2   "status": "ok",  
3   "users": []  
4 }
```

MONGODB



To-Do List

myFirstDatabase.tasks

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 895B TOTAL DOCUMENTS: 5 INDEXES TOTAL SIZE: 36KB

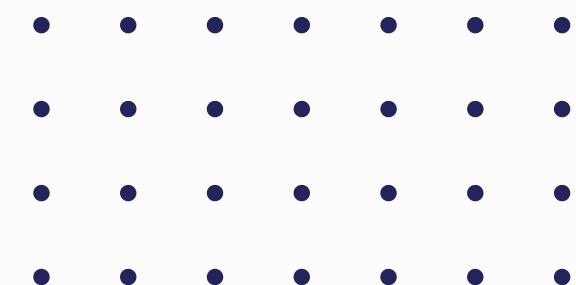
[Find](#) [Indexes](#) [Schema Anti-Patterns ⓘ](#) [Aggregation](#) [Search Indexes](#) [INSERT DOCUMENT](#)

[Filter ⓘ](#) Type a query: { field: 'value' } [Reset](#) [Apply](#) [Options ▾](#)

```
username: "abc@abc.com"
taskName: "task 2"
assignedTo: "vv"
dueDate: 2023-12-08T00:00:00.000+00:00
priority: "High"
taskstatus: "Not Started"
__v: 0
```

```
_id: ObjectId('65918fe1af0c9320b086e93')
taskID: 1704038369410477
username: "cba@cba.com"
taskName: "task 2"
assignedTo: "vishal"
dueDate: 2023-12-24T00:00:00.000+00:00
priority: "Medium"
taskstatus: "Not Started"
__v: 0
```

```
_id: ObjectId('65919a93dbc8043bb7eed230')
taskID: 1704041107336934
username: "cba@cba.com"
taskName: "d"
assignedTo: "D"
dueDate: 2024-01-25T00:00:00.000+00:00
priority: "Medium"
```



Twitter Clone

Proto.users

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 2.31KB TOTAL DOCUMENTS: 7 INDEXES TOTAL SIZE: 216KB

[Find](#) [Indexes](#) [Schema Anti-Patterns](#) [Aggregation](#) [Search Indexes](#)

[Filter](#) Type a query: { field: 'value' }

```
▶ followers: Array (empty)
▶ tweets: Array (1)

_id: ObjectId('656b36d678aaf22226091977')
companyID: "40c61f54-f67b-4b6d-8cba-2b79f0920b1b"
assistantID: "asst_exK0mVlLlmfYj5X9FBbIrctt"
threadID: "thread_G1CpRxwlUt4ZpJ0RTfqTo2RV"
username: "rtx@rtx"
password: "$2a$10$4JmJ4z8ofEunqGo7zcrDoeT0sKtw.jxCNVnJvIsoUjsCPNCCjUlx."
collectionName: "rtx@rtx"
name: "Vishal"
__v: 0

_id: ObjectId('65930f29740a816caa2861ab')
avatar: "Avatar-12.png"
username: "vishal"
password: "$2b$10$.Itp5fJw0VBX0je0HycPcunYuZ/fId8roi4GnJkLiXz5qa2hSjj6y"
▶ followers: Array (empty)
followBtn: "Follow"
▶ tweets: Array (9)
__v: 9
```

Proto.comments

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 703B TOTAL DOCUMENTS: 3 INDEXES TOTAL SIZE: 36KB

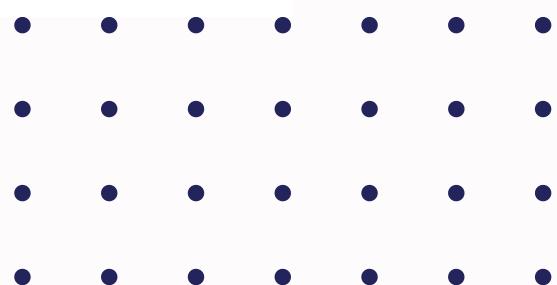
[Find](#) [Indexes](#) [Schema Anti-Patterns](#) [Aggregation](#) [Search Indexes](#)

[Filter](#) Type a query: { field: 'value' }

```
content: "its me again helpp"
postedCommentTime: "January 1st 2024, 5:00:45 pm"
▶ likes: Array (1)
likeCommentBtn: "deeppink"
isEdited: false
createdAt: 2024-01-01T11:30:45.102+00:00
updatedAt: 2024-01-01T19:38:34.535+00:00
__v: 7
postedBy: ObjectId('656b24d3737f8dd93387cd7a')

_id: ObjectId('65930fe6740a816caa2862c8')
content: "hi there! i'll help"
postedCommentTime: "January 2nd 2024, 12:47:58 am"
▶ likes: Array (1)
likeCommentBtn: "deeppink"
isEdited: false
createdAt: 2024-01-01T19:17:58.143+00:00
updatedAt: 2024-01-01T19:38:28.701+00:00
__v: 9
postedBy: ObjectId('65930f29740a816caa2861ab')

_id: ObjectId('659310b2740a816caa28636a')
content: "What a day! "
postedCommentTime: "January 2nd 2024, 12:51:22 am"
▶ likes: Array (empty)
```



Twitter Clone

Proto.tweets

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 2.2KB TOTAL DOCUMENTS: 5 INDEXES TOTAL SIZE: 36KB

Find Indexes Schema Anti-Patterns (0) Aggregation Search Indexes **INSERT DOCUMENT**

Filter Type a query: { field: 'value' } **Reset** **Apply** Options ▾

```
▶ likes: Array (1)
  likeTweetBtn: "deeppink"
  retweetBtn: "green"
  isRetweeted: false
▶ retweets: Array (1)
  isEdited: false
▶ comments: Array (2)
  createdAt: 2024-01-01T11:30:20.053+00:00
  updatedAt: 2024-01-01T19:39:55.233+00:00
  _v: 12
  postedBy: ObjectId('656b24d3737f8dd93387cd7a')

_id: ObjectId('659310bf740a816caa286375')
content: "nature never ceases to amaze!"
image: "https://images.unsplash.com/photo-1703872617068-638c7d02e743?q=80&w=26..."
postedBy: ObjectId('65930f29740a816caa2861ab')
postedTweetTime: "January 2nd 2024, 12:48:57 am"
▶ likes: Array (1)
  likeTweetBtn: "deeppink"
  retweetBtn: "green"
  retweetedByUser: "vishal"
  isRetweeted: true
▶ retweets: Array (1)
  isEdited: false
▶ comments: Array (empty)
  createdAt: 2024-01-01T19:21:35.804+00:00
  updatedAt: 2024-01-01T19:21:35.804+00:00
```

```
6 import CssBaseline from '@material-ui/core/CssBaseline'; 61.61 kB (gzip: 20
7 import { Container } from '@material-ui/core'; 63.32 kB (gzip: 20.38 kB)
8 import { useApollo } from '../graphql/client';
9
10 import { lightTheme, darkTheme } from '../utils/theme';
11 import useLocalStorage from '../hooks/useLocalStorage';
12
13 import NavBar from '../components/NavBar';
14
15 function App({ Component, pageProps }) {
16   const [currentTheme, setCurrentTheme] = useState(darkTheme);
17   const [apolloClient, setApolloClient] = useState(null);
18
19   const theme = currentTheme === 'dark' ? darkTheme : lightTheme;
20 }
```

Thanks

Vishal Sharma

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