



Documentation

Documentation

Welcome to the Twitter Backend Project!

AUTHENTICATION

Create User - POST /auth/register/

```
{  
  "username": "test",  
  "password": "1234"  
}
```

- Handles POST requests to create a new user registration.
- Validates and saves user information.
- Returns the data of the newly created user.

Login - POST /auth/login/

```
{
  "username": "test",
  "password": "1234"
}

"""
TOKEN
{
  "refresh": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ0b2t1b19",
  "access": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ0b2t1b19"
}
"""
```

- Handles POST requests for user login.
- Retrieves the username and password, finds the user in the database.
- Raises authentication error if the user does not exist or if the password is incorrect.
- Provides a JWT (JSON Web Token) to the user upon successful login.
- Embeds this JWT into an HTTP cookie and sends it as a response.
- The response containing the JWT includes both access and refresh tokens.

Profile - GET /auth/profile/

```
{
  "id": 4,
  "username": "test",
```

```
    "bio": ""
  }
```

- Only allows authenticated users.
- Handles GET requests and returns the profile of the requesting user.

Log Out- POST /auth/logout/

```
{
  "message": "Log out success"
}
```

- Only allows authenticated users.
- Handles POST requests to log the user out.
- Deletes the JWT cookie and returns a logout success message.

USERS

All Users- GET /users/users/

```
[
  {
    "id": 1,
    "username": "urfat",
    "bio": ""
  },
  {
    "id": 2,
    "username": "fatih",
    "bio": ""
  }
]
```

```

    },
    {
      "id": 3,
      "username": "yunus",
      "bio": "cyber kid"
    },
    {
      "id": 4,
      "username": "test",
      "bio": "npc :)"
    }
  ]

```

- Extends `ModelViewSet` to handle CRUD operations for user profiles.
- Specifies the queryset to include all user profiles.
- Uses `UserSerializer` for serialization and deserialization of user data.
- Requires authentication for all operations (`IsAuthenticated` permission).
- Uses `SearchFilter` for filtering user profiles based on the username field.

Users Detail- GET /users/users/4

```

{
  "id": 4,
  "username": "test",
  "bio": "npc :)"
}

```

- Provides detailed views for individual user profiles.
- Requires authentication for all operations (`IsAuthenticated` permission).
- Handles GET requests to retrieve a specific user profile by its primary key (`pk`).

- Handles PUT requests to update a specific user profile by its primary key (`pk`).
- Handles DELETE requests to delete a specific user profile by its primary key (`pk`).
- Returns appropriate error responses if the requested user profile does not exist.

Query - GET /users/users/?search=test

```
{
  "id": 4,
  "username": "test",
  "bio": "npc :)"
}
```

TWEETS

All Tweets - GET /api/tweets

```
[
  {
    "id": 1,
    "content": "bohemian rhapsody",
    "created_at": "2024-06-11T17:56:44.418290Z",
    "author": 1,
    "hashtags": []
  },
  {
    "id": 2,
    "content": "billie jean",
    "created_at": "2024-06-11T17:57:03.793156Z",
```

```

        "author": 1,
        "hashtags": [
            1
        ]
    },
    {
        "id": 3,
        "content": "star wars",
        "created_at": "2024-06-11T17:57:12.643521Z",
        "author": 1,
        "hashtags": [
            2
        ]
    },
    {
        "id": 4,
        "content": "espresso",
        "created_at": "2024-06-11T17:57:26.395110Z",
        "author": 1,
        "hashtags": [
            1
        ]
    }
]

```

- Extends `ModelViewSet` to handle CRUD operations for tweets.
- Specifies the queryset to include all tweets.
- Uses `TweetSerializer` for serialization and deserialization of tweet data.
- Requires authentication for all operations (`IsAuthenticated` permission).
- Utilizes `SearchFilter` for filtering tweets based on the content field.
- Overrides the `perform_create` method to automatically set the author of the tweet to the current authenticated user.

- Implements custom filtering to allow filtering tweets by hashtag name, if provided in the request query parameters.

Tweet Details - GET /api/tweets/3

```
{
  "id": 3,
  "content": "star wars",
  "created_at": "2024-06-11T17:57:12.643521Z",
  "author": 1,
  "hashtags": [
    2
  ]
}
```

Create Tweet - POST /api/tweets/

```
{
  "content": "hello",
  "hashtags": [
    "1"
  ]
}

"""
{
  "id": 5,
  "content": "hello",
  "created_at": "2024-06-12T08:27:31.086971Z",
  "author": 4,
  "hashtags": [
    1
  ]
}
```

```
}  
""
```

Create Hashtag- POST /api/hashtags/

```
{  
  "name": "language"  
}
```

All Hashtags - GET /api/hashtags/

```
[  
  {  
    "id": 1,  
    "name": "music"  
  },  
  {  
    "id": 2,  
    "name": "movie"  
  },  
  {  
    "id": 3,  
    "name": "language"  
  }  
]
```

- Extends `ModelViewSet` to handle CRUD operations for hashtags.
- Specifies the queryset to include all hashtags.
- Uses `HashtagSerializer` for serialization and deserialization of hashtag data.
- Requires authentication for all operations (`IsAuthenticated` permission).

Endpoint to list tweets with specific hashtags - GET /api/tweets/?hashtag=movie

```
[
  {
    "id": 3,
    "content": "star wars",
    "created_at": "2024-06-11T17:57:12.643521Z",
    "author": 1,
    "hashtags": [
      2 #movie
    ]
  },
  {
    "id": 5,
    "content": "Lupen",
    "created_at": "2024-06-11T17:57:12.643521Z",
    "author": 2,
    "hashtags": [
      2 #movie hashtag
    ]
  }
]
```

- Specifies the queryset to include all hashtags.
- Requires authentication for all operations (`IsAuthenticated` permission).



There may be a design problem. tweets are under the api path(api/tweets), users are under the users path(users/users) 😊



Thank you!

Any questions or thoughts? You can contact me at
info@[yunusolcar](mailto:info@yunusolcar.com).com