Report

System Specifications

Name	Version
OS	Ubuntu 22.04 LTS
CPU	Intel(R) Core(TM) i7-8750H CPU @ 2.20GHz
RAM	16 GB

Postgres Server Statistics Report

Table Name	Row Count	Main Key	Indexes	FK	Identity Column	Max Row Size(Bytes)
users	1000000	Yes	No	No	Yes	87
posts	1000000	Yes	No	No	Yes	50
user_posts	1000000	Yes	No	Yes	Yes	35
comments	1000000	Yes	No	No	Yes	38
user_comments	1000000	Yes	No	Yes	Yes	39
replies	1000000	Yes	No	Yes	Yes	46
likes	1000000	Yes	No	Yes	Yes	35
follows	1000000	Yes	No	Yes	Yes	35
messages	1000000	Yes	No	Yes	Yes	46

Postgres Server Schema
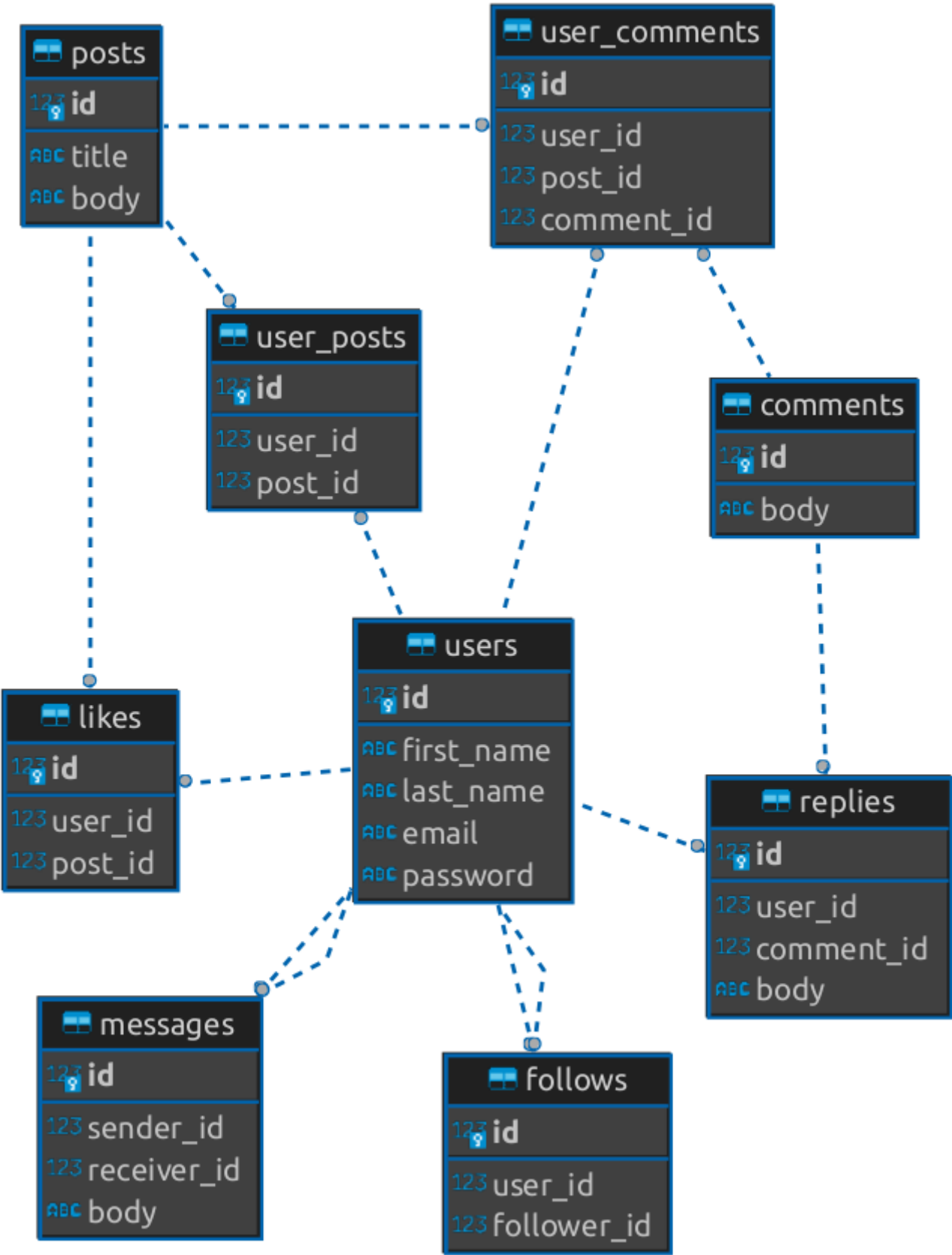
MongoDB Server Schema

users

```
{
    _id: ObjectId('63a4a1341a8351e734f80e5a'),
    id: 0,
    first_name: 'Mourad0',
    last_name: 'ElAtrosh0',
    email: 'user0@gmail.com',
    password: '123456'
}
```

posts

```
{
    _id: ObjectId('63a4a1541a8351e73407509b'),
    id: 0,
    title: 'Title0',
    body: 'Content0'
}
```

user_posts

```
{
    _id: ObjectId('63a4a1731a8351e7341692db'),
    id: 0,
    user_id: 0,
    post_id: 0
}
```

comments

```
{
    _id: ObjectId('63a4a1931a8351e73425d51b'),
    id: 0,
    body: 'Comment0'
}
```

user_comments

```
{
    _id: ObjectId('63a4a1b61a8351e73435175b'),
    id: 0,
    user_id: 0,
    post_id: 0,
```

```
        comment_id: 0
    }
```

replies

```
{
    _id: ObjectId('63a4a1e31a8351e73444599b'),
    id: 0,
    user_id: 0,
    comment_id: 0,
    body: 'Reply0'
}
```

likes

```
{
    _id: ObjectId('63a4a20d1a8351e734539bdb'),
    id: 0,
    user_id: 0,
    post_id: 0
}
```

follows

```
{
    _id: ObjectId('63a4a2351a8351e73462de1b'),
    id: 0,
    user_id: 0,
    following_id: 0
}
```

messages

```
{
    _id: ObjectId('63a4a2611a8351e73472205b'),
    id: 0,
    sender_id: 0,
    receiver_id: 0,
    body: 'Message0'
}
```