MAKING VISIONS WORK.

Digital Businesses, Digital Experiences & Products

MentorHub Project

Social Subsystem | Thinh Vo
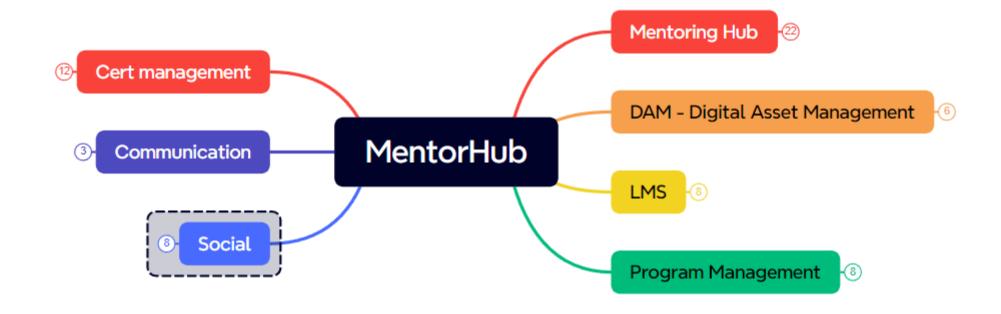
Agenda

1. **Mind Maps**
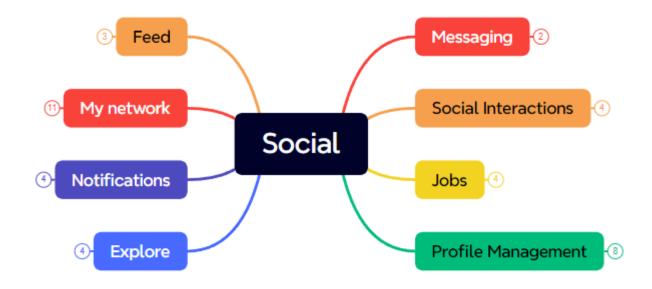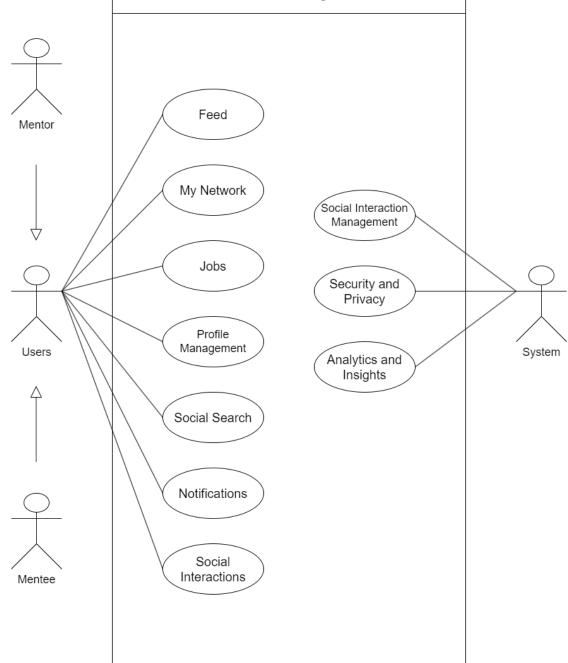
2. **Use case**

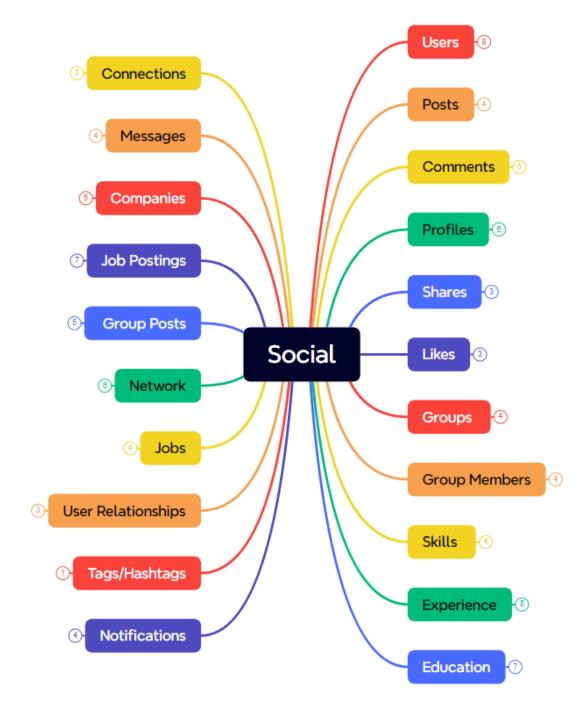3. **UI/UX/Database Design**

4. **QnA**

Social Subsystem

Use Case

Database
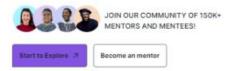
Landing Page (cont.)
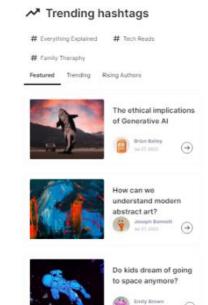
Upcoming Challenges in 24h

View more

Build a Tool that Recognises Famous People

📅 Monday, June 06 | 06:00 PM

📍 New York, NY

A Tool that Generates Weather Reports

📅 Tuesday, June 7 | 06:00 AM

📍 Atlanta

Get insights from people of all expertises

By carefully vetting and verifying each mentor, we ensure that our mentors are experienced in their respective fields.

Olivia Reynolds   👁 500k views

Film critic and movie aficionado, sharing deep analysis on the latest blockbusters.

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Alexander Hughes   👁 900k views

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Christopher Brown   👁 900k views
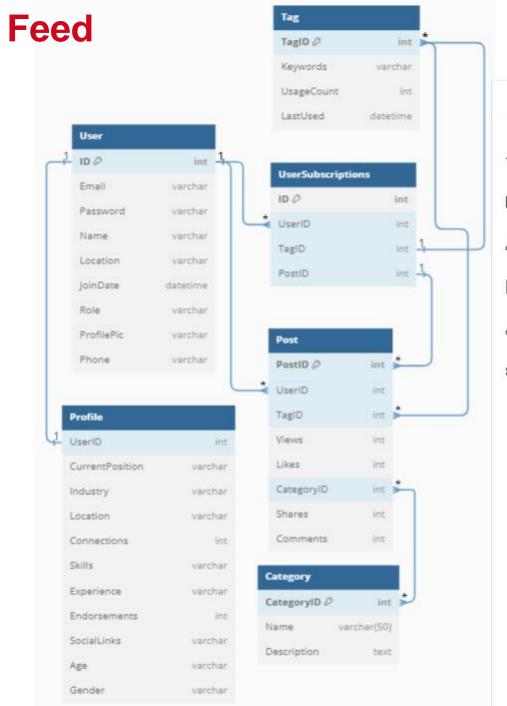
Tech enthusiast & software engineer, passionate about technologies.

Visit ↗

Sophia Anderson   👁 300k views

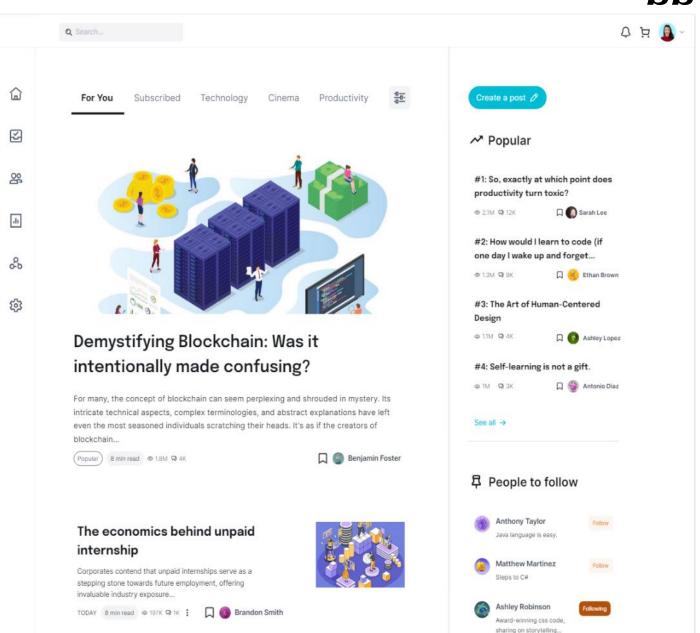Fashionista and stylist, guide to build your personal and sustainable closet.

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Landing Page

```sql
-- What is the highest rating of the website?
SELECT * FROM platform_rating WHERE rating - (SELECT MAX(rating) FROM
platform_rating);
-- What are the trending tags of the website?
SELECT * FROM tag ORDER BY usage_count DESC LIMIT 5;
-- What are the "MENTEE CHOICE" Posts?
SELECT * FROM posts ORDER BY likes DESC LIMIT 5;
-- What are the "Upcoming Challenges in 24H"?
SELECT * FROM challenges WHERE StartTime BETWEEN NOW() AND NOW() + INTERVAL 24 HOUR;
-- What are the top 5 most viewed Mentors
SELECT u.user_id, u.name, SUM(p.views) AS total_views FROM users u
JOIN posts p ON u.user_id = p.user_id
WHERE u.role = 'Mentor' GROUP BY u.user_id, u.name ORDER BY total_views ASC;
```

Feed

Query SQL 🔵

```sql
 1 -- What are the popular posts?
 2 SELECT p.*, u.name FROM posts p
 3 JOIN users u ON p.user_id = u.user_id
 4 ORDER BY p.views DESC LIMIT 5;
 5 -- What are the "People to follow"?
 6 SELECT u2.user_id, u2.name FROM user_groups ug1
 7 JOIN user_groups ug2 ON ug1.group_id = ug2.group_id
 8 JOIN users u2 ON ug2.user_id = u2.user_id
 9 WHERE ug1.user_id = 2 AND ug1.user_id != ug2.user_id;
10 -- What are the "For You" Feed?
11 SELECT p.* FROM posts p
12 JOIN user_groups ug ON p.user_id = ug.user_id
13 WHERE ug.group_id IN (
14    SELECT group_id FROM user_groups   WHERE user_id = 2 )
15 ORDER BY p.post_date DESC LIMIT 5;
```
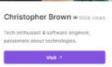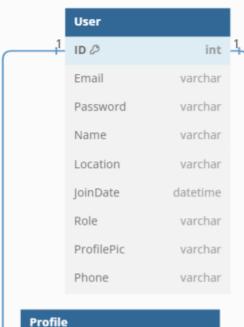
Explore
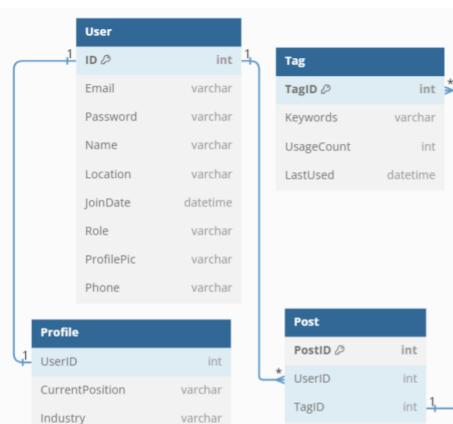
Explore

bbv
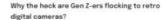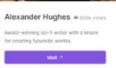
```sql
-- What are the "Reader's Choice" Posts?
SELECT * FROM posts ORDER BY likes DESC LIMIT 5;
-- What are "Rising" Mentors?
SELECT u.user_id, u.name, SUM(p.views) AS total_views
FROM users u
JOIN posts p ON u.user_id = p.user_id
WHERE u.role = 'Mentor'
GROUP BY u.user_id, u.name
ORDER BY total_views ASC;
-- What are "Most talked about" Tags
SELECT tag_name, usage_count
FROM tag
ORDER BY usage_count DESC
LIMIT 10;
```

Article Details

My Network

My Network

bbv

```sql
-- How to retrieve a list of people you may know based on your recent activities?
SELECT
  users.user_id,
  users.email,
  users.name,
  users.location,
  users.role,
  users.profile_pic,
  users.phone_number
FROM
  users
WHERE
  users.user_id IN (
    SELECT
      posts.user_id
    FROM
      posts
    JOIN
      activities ON posts.post_id = activities.post_id
    WHERE
      activities.user_id = 1 AND
      activities.activity_name = 'Like'
    ORDER BY
      activities.activity_date DESC
  );
```

```sql
-- List of following/follower
-- Following
SELECT
  users.user_id,
  users.email,
  users.name,
  users.role,
  users.profile_pic,
  users.phone_number
FROM
  users
JOIN
  follows ON users.user_id = follows.followee_id
WHERE
  follows.follower_id = 1;
-- Follower
SELECT
  users.user_id,
  users.email,
  users.name,
  users.role,
  users.profile_pic,
  users.phone_number
FROM
  users
JOIN
  follows ON users.user_id = follows.follower_id
WHERE
  follows.followee_id = 1;
```

Group

User

ID 🔑	int
Email	varchar
Password	varchar
Name	varchar
Location	varchar
JoinDate	datetime
Role	varchar
ProfilePic	varchar

Group

GroupID 🔑	int
UserID	int
GroupName	varchar
Description	text
Member	int

Q Search...

Manage your Network

- 👥 Connections
- 👤 Following & Followers
- 👥 **Group**
- 📅 Events
- 📄 Newsletter
- # Hashtags
- 🗎 Programs
- 🗎 Mentors

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Your Group	Requested

slack
Slack
3,123,213 members

goed
GOED
3,123,213 members

Mcdonalds
3,123,213 members

FENDI
Fendi
3,123,213 members

Coca-Cola
Cocacola
3,123,213 members

FRED
Fred
3,123,213 members

View more

Group Details

Event

Jobs

bbv

User

ID 🔑	int
Email	varchar
Password	varchar
Name	varchar
Location	varchar
JoinDate	datetime
Role	varchar
ProfilePic	varchar
Phone	varchar

Job

JobID 🔑	int
UserID	int
CompanyName	varchar
JobTitle	varchar
Description	text
Location	varchar
PostingDate	datetime
Industry	varchar

Company

CompanyID 🔑	int
Name	varchar
Location	varchar
Website	varchar
Description	text

Profile
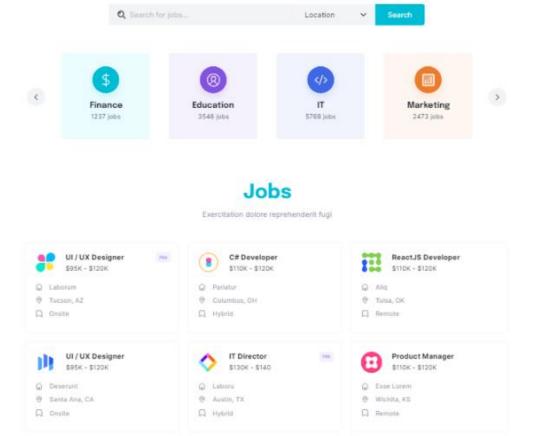
UserID	int
CurrentPosition	varchar
Industry	varchar
Location	varchar
Connections	int
Skills	varchar
Experience	varchar
Endorsements	int
SocialLinks	varchar

16,780 Jobs For You

Non enim eu excepteur cupidatat consectetur do ea est reprehenderit incididunt irure veniam cupidatat est non amet. Enim duis auto tempor laboris ipsum dolore non.

Explore now

UI / UX Designer
$100K - $110K

Java Developer
$120K - $130K

Explore more jobs

Search for jobs... | Location | **Search**

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1237 jobs

Education
3548 jobs

IT
5768 jobs
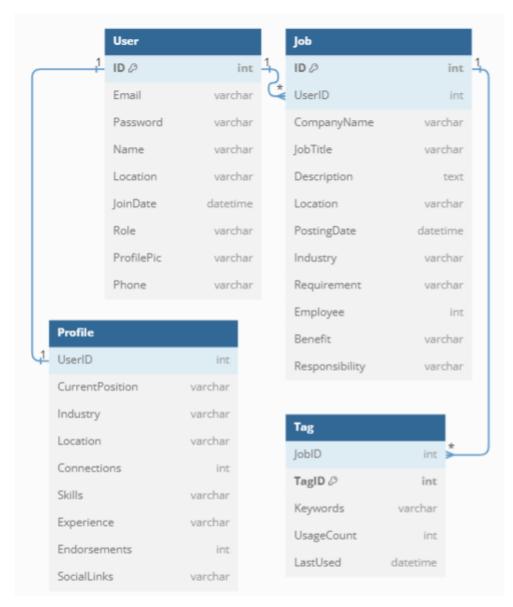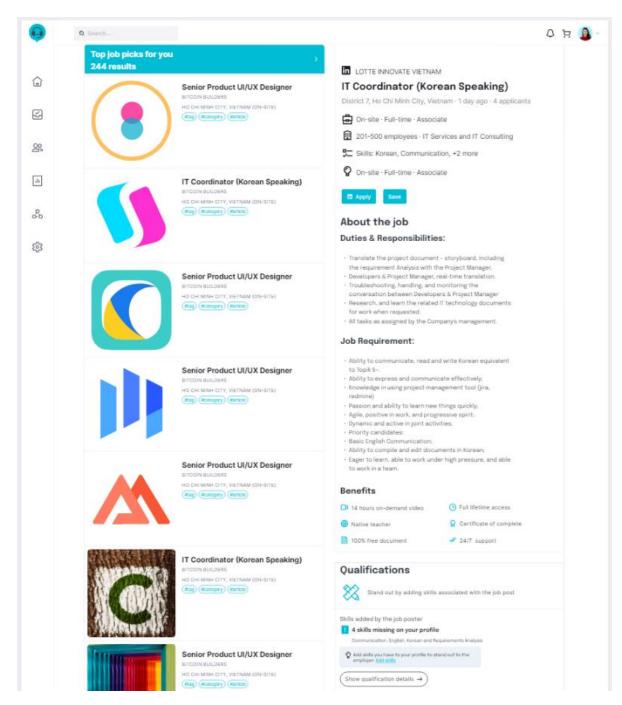
Marketing
2473 jobs

Jobs

Exercitation dolore reprehenderit fugi

UI / UX Designer
$95K - $120K
Laborum
Tucson, AZ
Onsite

C# Developer
$110K - $120K
Pariatur
Columbus, OH
Hybrid

ReactJS Developer
$110K - $120K
Aliq
Tulsa, OK
Remote

UI / UX Designer
$95K - $120K
Deserunt
Santa Ana, CA
Onsite

IT Director
$130K - $140
Laboru
Austin, TX
Hybrid

Product Manager
$110K - $120K
Esse Lorem
Wichita, KS
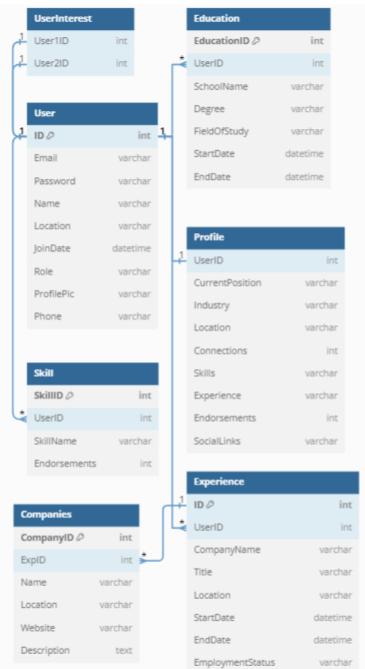Remote

Job Details

Jobs

Search Jobs

```sql
-- Query for recommending job?
SELECT j.*
FROM Job j
JOIN profiles p ON j.Industry = p.Industry
WHERE p.user_id = 1;
-- How many jobs for you?
SELECT COUNT(*) as job4you
FROM Job j
JOIN profiles p ON j.Industry = p.Industry
WHERE p.user_id = 1;
```
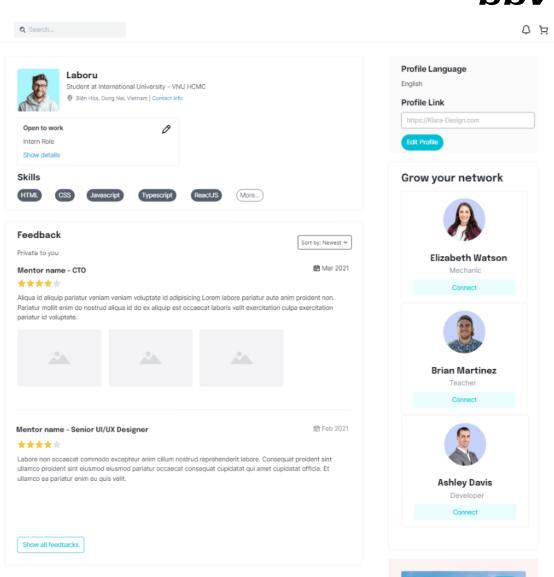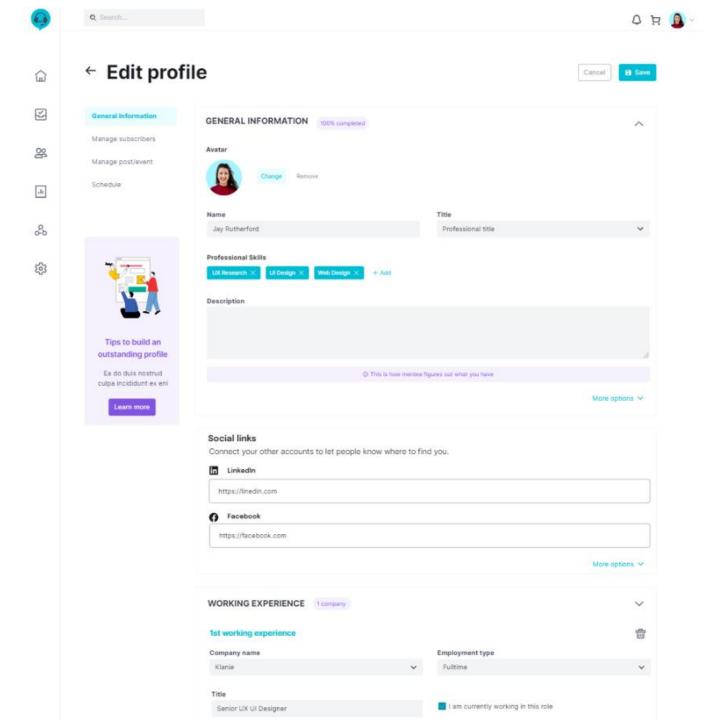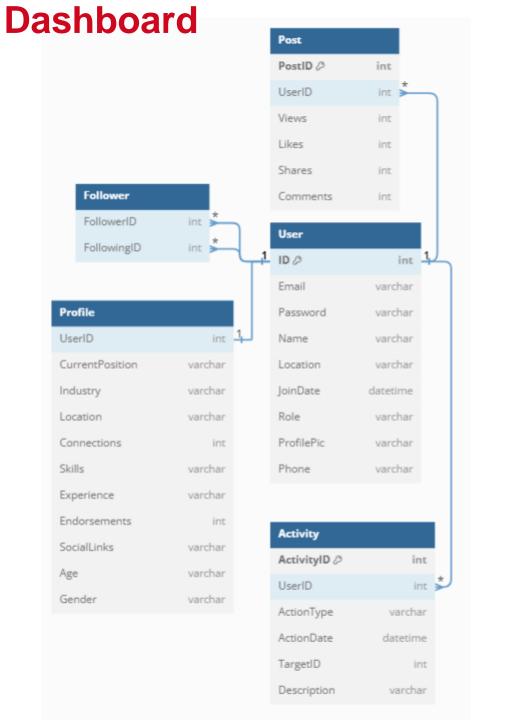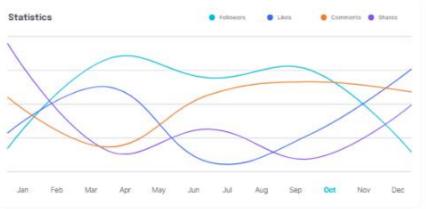
User Profile

Edit Profile

Dashboard

Dashboard

bbv
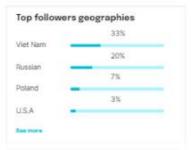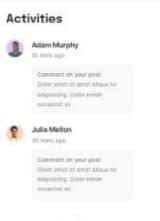
```sql
-- What are the number of total followers
SELECT COUNT(*) AS NumberOfFollowers
FROM follows
WHERE followee_id = 1;
```

```sql
-- age percentages of followers
SELECT
  SUM(CASE WHEN age BETWEEN 0 AND 20 THEN 1 ELSE 0 END) AS age_0_20,
  SUM(CASE WHEN age BETWEEN 21 AND 40 THEN 1 ELSE 0 END) AS age_21_40,
  SUM(CASE WHEN age BETWEEN 41 AND 60 THEN 1 ELSE 0 END) AS age_41_60,
  SUM(CASE WHEN age BETWEEN 61 AND 80 THEN 1 ELSE 0 END) AS age_61_80,
  SUM(CASE WHEN age > 80 THEN 1 ELSE 0 END) AS age_80_plus,
  COUNT(*) AS total_count
FROM users;
```