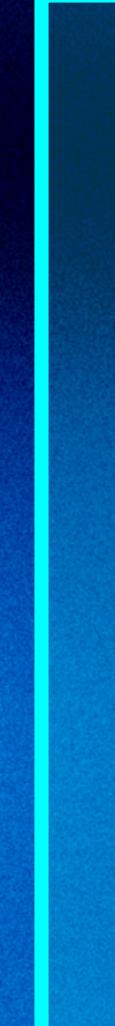


Group 24

QUEST-NEST

Proyek Akhir Sistem Basis Data



MEET OUR TEAM

- **Audy Natalie Cecilia Rumahorbo - 2306266962**
- **Muhammad Raditya Alif Nugroho - 2306212745**
- **Alfonsus Tanara Gultom - 2306267126**
- **Samih Bassam - 2306250623**



ABOUT QUEST-NEST

QuestNest adalah platform web inovatif yang menggabungkan manajemen tugas dengan elemen permainan (gamification) untuk meningkatkan produktivitas individu dan tim. Dengan sistem XP, badge, dan leaderboard, menyelesaikan tugas menjadi lebih menyenangkan, memotivasi, dan penuh tantangan.



FEATURES

Manajemen Tugas

Buat, kelola, dan tandai tugas sebagai selesai untuk mendapatkan XP.

Badge Pencapaian

Kumpulkan berbagai badge eksklusif berdasarkan performa dan pencapaian pribadi.

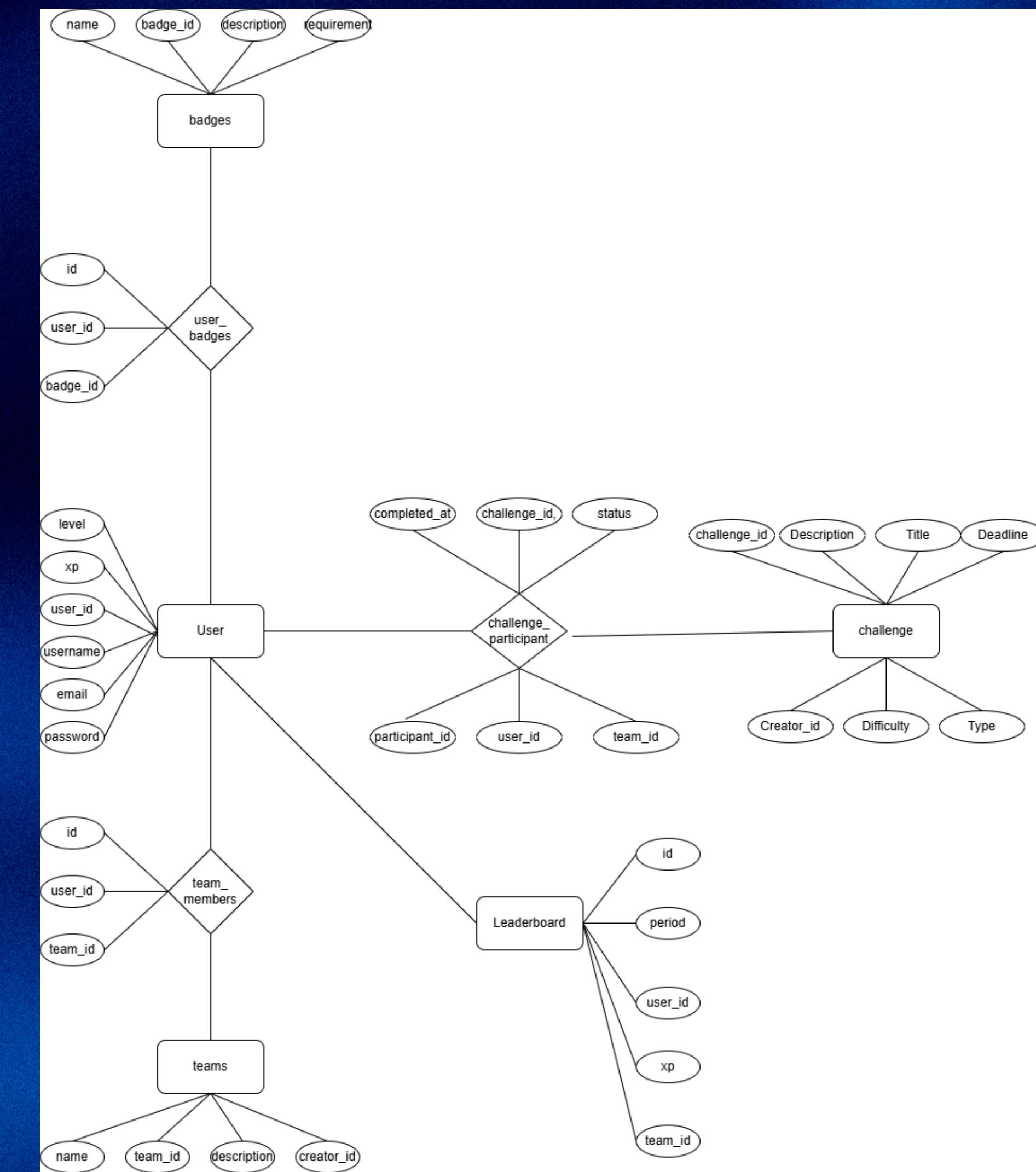
Kolaborasi Tim

Bentuk challenge bersama, selesaikan misi kolektif, dan tingkatkan produktivitas tim.

Leaderboard Tim

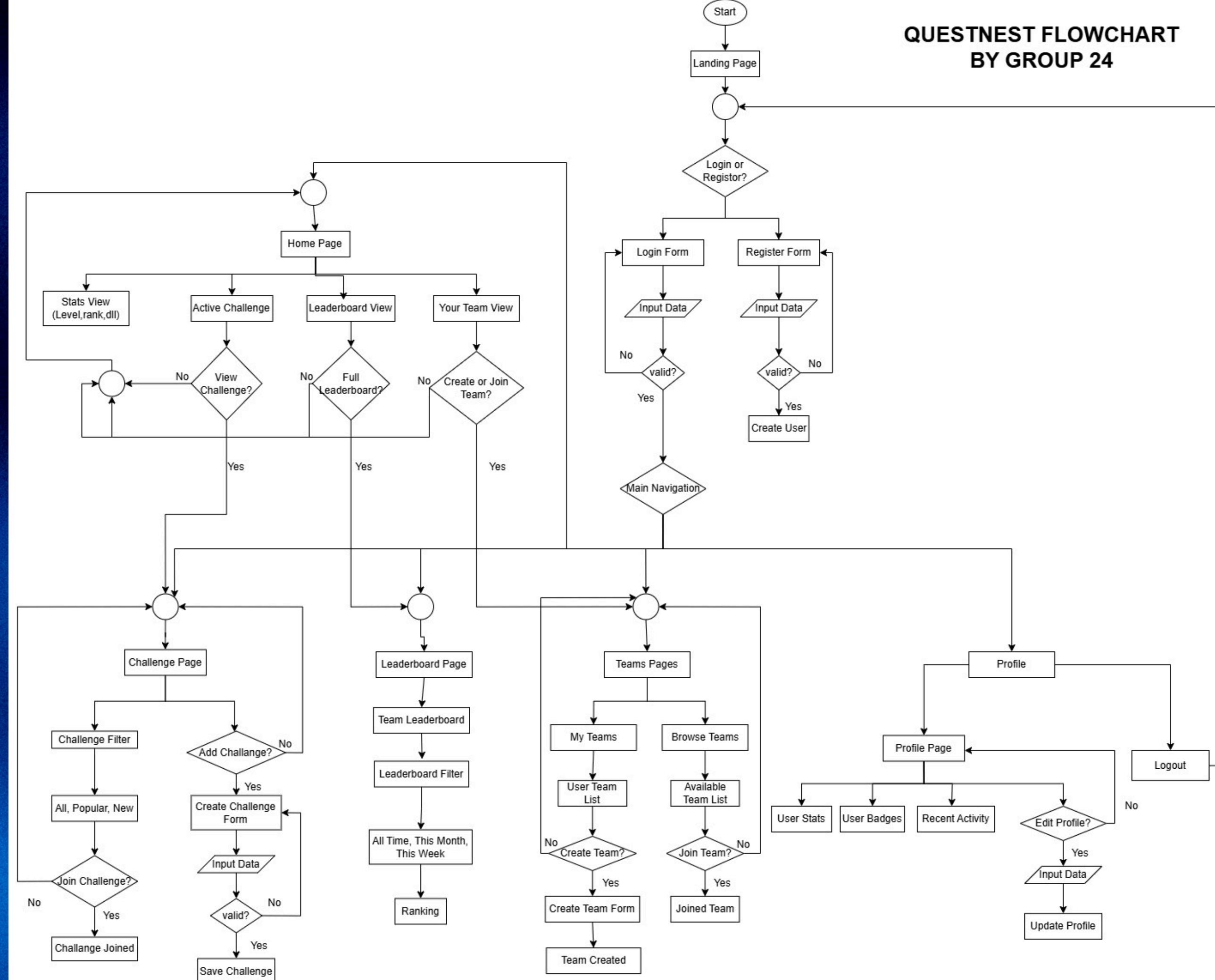
Bersaing secara sehat dengan rekan tim

Entity Relationship Diagram (ERD)

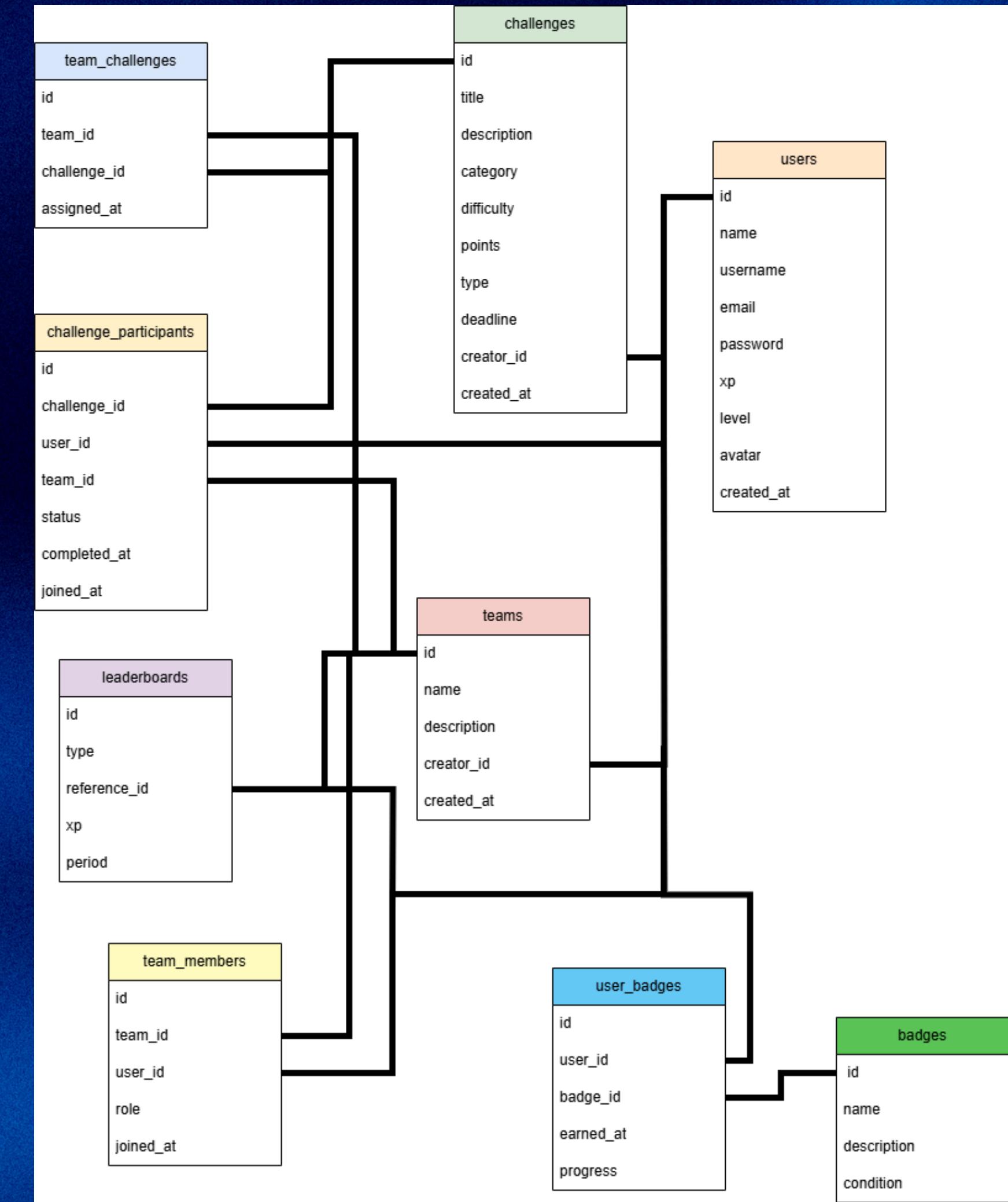


QUESTNEST FLOWCHART BY GROUP 24

Flowchart



Unified Modeling Language (UML)



Landing Page

Quest-Nest

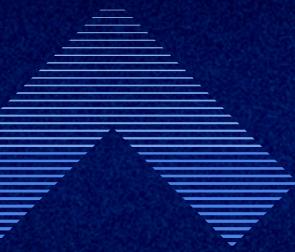
Light Mode

The screenshot shows the QuestNest landing page with a white background. At the top center is the "QuestNest" logo. In the top right corner is a small circular icon with a white crescent shape. Below the logo, the title "Welcome to QuestNest" is displayed in a large, bold, blue font. A subtitle in smaller blue text reads: "Your gamified challenge platform to track progress, earn badges, and compete with others on the leaderboard." Two buttons are located below the subtitle: a blue "Login →" button and a green "Register" button. Below these buttons are three rounded rectangular boxes with thin gray borders. The first box contains the text "Complete Challenges" and a brief description: "Take on various challenges and track your progress as you level up your skills." The second box contains "Earn Badges" and the description: "Collect badges as you complete challenges and showcase your achievements." The third box contains "Compete on Leaderboard" and the description: "See how you rank against others and climb to the top of the leaderboard."

Dark Mode

The screenshot shows the QuestNest landing page in dark mode, featuring a black background. At the top center is the "QuestNest" logo. In the top right corner is a small circular icon with a white gear symbol. Below the logo, the title "Welcome to QuestNest" is displayed in a large, bold, blue font. A subtitle in smaller blue text reads: "Your gamified challenge platform to track progress, earn badges, and compete with others on the leaderboard." Two buttons are located below the subtitle: a blue "Login →" button and a green "Register" button. Below these buttons are three rounded rectangular boxes with thin gray borders. The first box contains the text "Complete Challenges" and a brief description: "Take on various challenges and track your progress as you level up your skills." The second box contains "Earn Badges" and the description: "Collect badges as you complete challenges and showcase your achievements." The third box contains "Compete on Leaderboard" and the description: "See how you rank against others and climb to the top of the leaderboard."

Login Page



Light Mode

QuestNest

The login form is displayed on a white background. It features a blue user icon at the top, followed by the word "Login". Below this is a horizontal line. The "Email" field contains the placeholder "cecelia@mail.com" with a small user icon to its left. The "Password" field contains a series of dots representing a password, preceded by a lock icon. A blue "Login" button is centered below the fields. At the bottom right of the form, there is a link "Don't have an account? [Register](#)".

Dark Mode

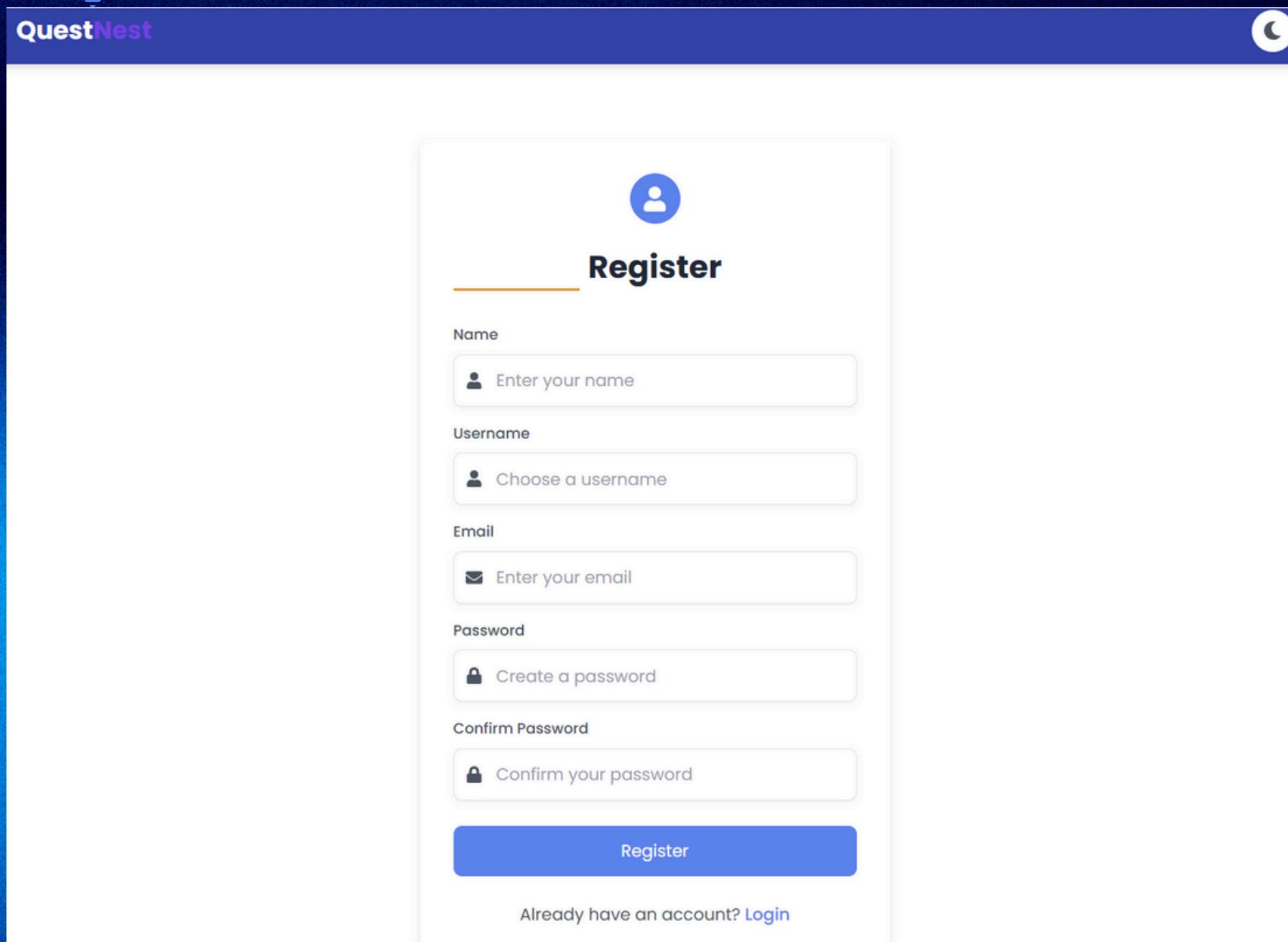
QuestNest

The login form is displayed on a dark gray background. It features a blue user icon at the top, followed by the word "Login". Below this is a horizontal line. The "Email" field contains the placeholder "cecelia@mail.com" with a small user icon to its left. The "Password" field contains a series of dots representing a password, preceded by a lock icon. A blue "Login" button is centered below the fields. At the bottom right of the form, there is a link "Don't have an account? [Register](#)".

Register Page

Light Mode

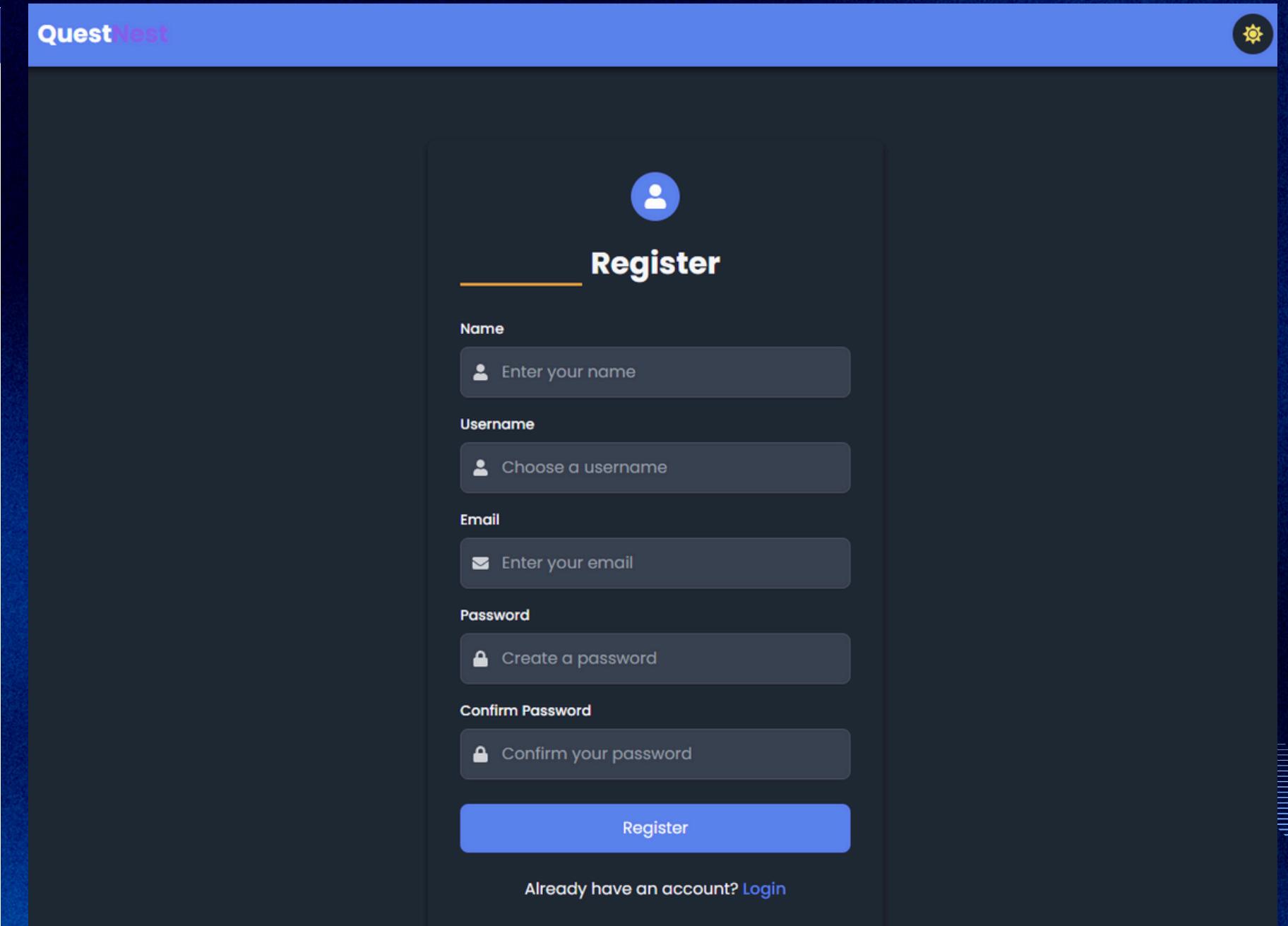
QuestNest



The register page in light mode features a white background with blue and grey accents. At the top center is a blue circular icon with a white person icon. Below it, the word "Register" is written in bold black font. The form fields are arranged vertically: "Name" (placeholder: "Enter your name"), "Username" (placeholder: "Choose a username"), "Email" (placeholder: "Enter your email"), "Password" (placeholder: "Create a password"), and "Confirm Password" (placeholder: "Confirm your password"). Each field has a small icon to its left. A large blue "Register" button is at the bottom. In the top right corner, there's a white moon icon. The footer contains the text "Already have an account? [Login](#)".

Dark Mode

QuestNest



The register page in dark mode has a black background with blue and grey accents. The layout is identical to the light mode version: blue circular icon with person icon, "Register" text, and five input fields (Name, Username, Email, Password, Confirm Password) with their respective placeholders and small icons. A large blue "Register" button is at the bottom. In the top right corner, there's a black sun icon. The footer contains the text "Already have an account? [Login](#)".

Home Page

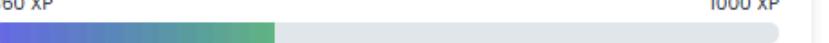
Light Mode

QuestNest [Home](#) [Challenges](#) [Leaderboard](#) [Teams](#) [Logout](#) [Profile](#)

Welcome to QuestNest

Transform daily tasks into rewarding quests

★ Level 1
Keep up the great work!

360 XP  1000 XP
640 XP until next level

4 Challenges Completed | 1 Current Rank | 0 Badges Earned

Active Challenges

- ✓ Leaderboard and Challenge Page 80 XP
Medium
- ✓ Leaderboard and Challenge Page 80 XP
Medium
- ✓ Backend QuestNest 80 XP
Medium
- ✓ Makan Buah dan Sayur selama 1 Minggu 100 XP
Hard

[View All Challenges](#)

Leaderboard

| Kelompok 24 | Rank | XP |
|--------------|------|--------|
| cecelia | 1 | 360 XP |
| audy natalie | 2 | 360 XP |
| aliya | 3 | 180 XP |

[View Full Leaderboard](#)

Your Teams

| | |
|--------------------------------------|--------|
| Kelompok 24 3 Members • 900 XP | 900 XP |
| tekomplot team 3 Members • 800 XP | 800 XP |

[Create or Join Team](#)

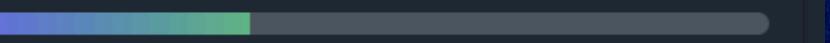
Dark Mode

QuestNest [Home](#) [Challenges](#) [Leaderboard](#) [Teams](#) [Logout](#) [Profile](#)

Welcome to QuestNest

Transform daily tasks into rewarding quests

★ Level 1
Keep up the great work!

360 XP  1000 XP
640 XP until next level

4 Challenges Completed | 1 Current Rank | 0 Badges Earned

Active Challenges

- ✓ Leaderboard and Challenge Page 80 XP
Medium
- ✓ Leaderboard and Challenge Page 80 XP
Medium
- ✓ Backend QuestNest 80 XP
Medium
- ✓ Makan Buah dan Sayur selama 1 Minggu 100 XP
Hard

[View All Challenges](#)

Leaderboard

| Kelompok 24 | Rank | XP |
|--------------|------|--------|
| cecelia | 1 | 360 XP |
| audy natalie | 2 | 360 XP |
| aliya | 3 | 180 XP |

[View Full Leaderboard](#)

Your Teams

| | |
|--------------------------------------|--------|
| Kelompok 24 3 Members • 900 XP | 900 XP |
| tekomplot team 3 Members • 800 XP | 800 XP |

[Create or Join Team](#)

Challenges Page

Light Mode

QuestNest Home Challenges Leaderboard Teams

Challenges

All Popular New

Makan Buah dan Sayur selama 1 Minggu Hard

finpro Hard

Backend QuestNest Medium

desc

Category: Education ★ 100 pts

Category: Backend ★ 80 pts

By participants

Join Challenge

Completed

Leaderboard and Challenge Page Medium

Page untuk leaderboard dan seluruh challenge

Category: Frontend ★ 80 pts

By participants

Completed

Search challenges... + Create Challenge

Dark Mode

QuestNest Home Challenges Leaderboard Teams

Challenges

All Popular New

Makan Buah dan Sayur selama 1 Minggu Hard

finpro Hard

Backend QuestNest Medium

desc

Category: Education ★ 100 pts

Category: Backend ★ 80 pts

By participants

Join Challenge

Completed

Leaderboard and Challenge Page Medium

Page untuk leaderboard dan seluruh challenge

Category: Frontend ★ 80 pts

By participants

Completed

Search challenges... + Create Challenge

LEADERBOARD PAGE

Light Mode

QuestNest Home Challenges Leaderboard Teams

Team Leaderboards

Kelompok 24 tekomplot team

Search members...

| Rank | Member | XP ↓ | Challenges Completed |
|------|------------------------|------|----------------------|
| 1 | cecelia @odi | 360 | 4 |
| 2 | Raditya Alif @dityalif | 260 | 3 |
| 3 | aliya @aliyasalamun | 180 | 2 |

QuestNest Home Challenges Leaderboard Teams

Team Leaderboards

Kelompok 24 tekomplot team

Search members...

| Rank | Member | XP ↓ | Challenges Completed |
|------|------------------------|------|----------------------|
| 1 | cecelia @odi | 360 | 4 |
| 2 | Raditya Alif @dityalif | 260 | 3 |
| 3 | aliya @aliyasalamun | 180 | 2 |

Dark Mode

Teams Page

Light Mode

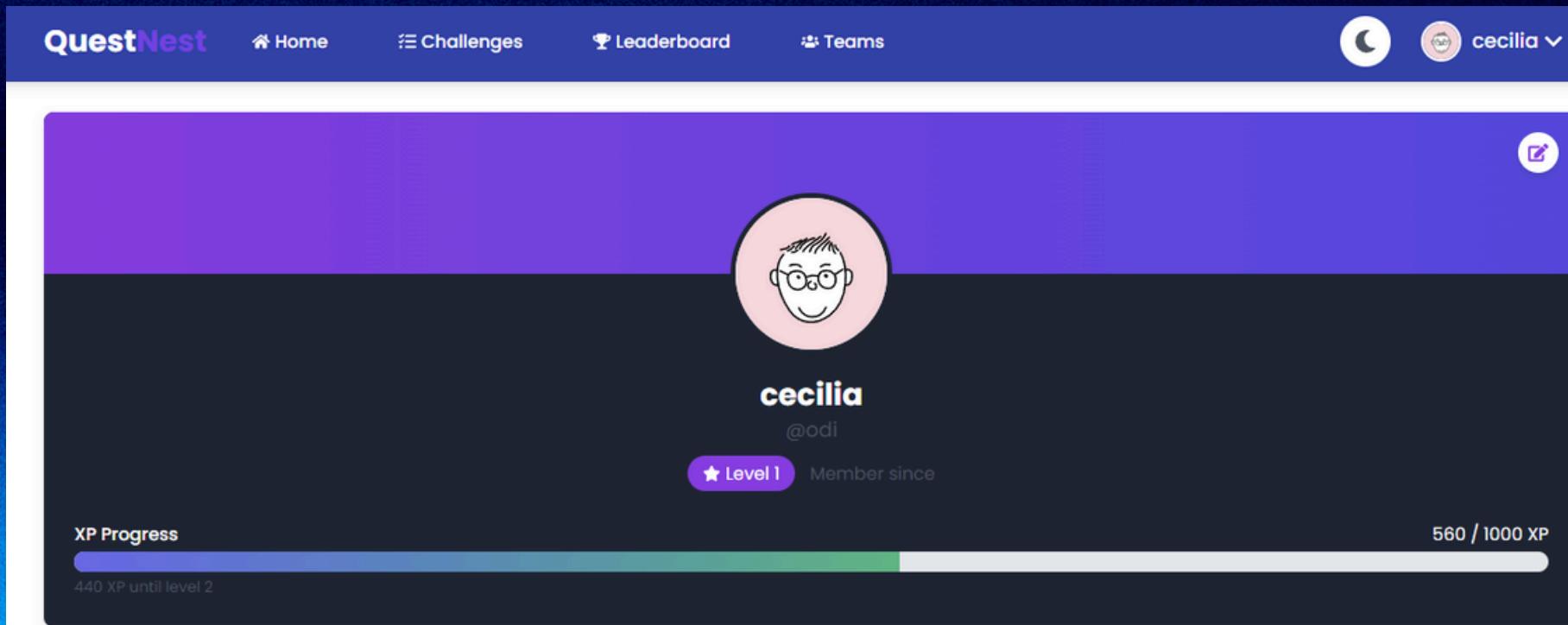
The screenshot shows the QuestNest Teams page in Light Mode. At the top, there is a navigation bar with links for Home, Challenges, Leaderboard, and Teams. A user profile for 'cecilia' is visible on the right. Below the navigation bar, the main content area is titled 'Teams'. It features a section for 'My Teams' with two entries: 'Kelompok 24' (900 XP) and 'tekomplot team' (800 XP). Each entry includes a 'Member' status and a 'Leave Team' button. Below this is a 'Browse Teams' section with a search bar. A list of teams is displayed, each with a thumbnail, name, description, XP value, and a dropdown arrow. The teams listed are: 'testdoang' (No description provided), 'test' (test), 'pa 24' (sbd pa 24), 'lesun enjoyer' (lesuuuuuuunnn), and 'tekomplot team' (team gacorr).

Dark Mode

The screenshot shows the QuestNest Teams page in Dark Mode. The layout is identical to the Light Mode version, but the colors are reversed. The background is dark, and the text and buttons are light-colored. The 'My Teams' section shows 'Kelompok 24' (900 XP) and 'tekomplot team' (800 XP). The 'Browse Teams' section shows the same list of teams: 'testdoang' (No description provided), 'test' (test), 'pa 24' (sbd pa 24), 'lesun enjoyer' (lesuuuuuuunnn), and 'tekomplot team' (team gacorr).

Profile Page

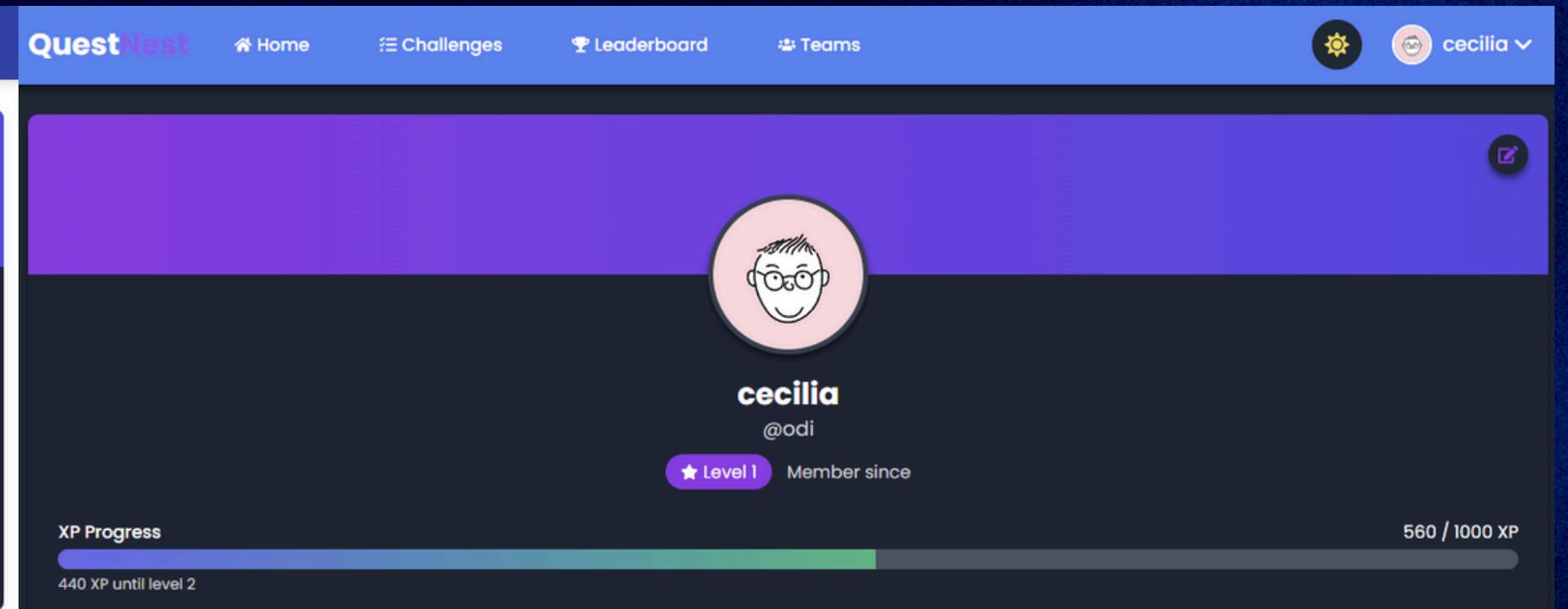
Light Mode



The screenshot shows the QuestNest profile page for a user named 'cecilia'. At the top, there's a navigation bar with links for Home, Challenges, Leaderboard, and Teams. The user's profile picture is a pink circle with a cartoon face. Below it, the username 'cecilia' and handle '@odi' are displayed. A purple 'Edit' button is in the top right corner of the profile section. The user is at Level 1, having been a member since [redacted]. An XP progress bar shows 560 / 1000 XP, with 440 XP needed until level 2. The main content area below features a grid of badges:

| Badges | |
|--|---|
| Ancestor | ☆ |
| Membuat tim baru. | |
| Api Woi Api | ☆ |
| Selesaikan challenge selama 7 hari berturut-turut. | |
| Challenge Master | ☆ |
| Selesaikan 20 challenge. | |
| First Blood | ☆ |
| Selesaikan challenge pertama. | |
| Remontada | ☆ |
| Selesaikan challenge setelah 7 hari tidak aktif. | |
| Social Butterfly | ☆ |
| Bergabung dengan 3 tim berbeda. | |

Dark Mode



The screenshot shows the same QuestNest profile page for 'cecilia' in Dark Mode. The overall theme is dark with light-colored text and icons. The layout and badge grid are identical to the Light Mode version, showing the same achievements and XP progress.

THANK YOU