Teammate Reputation System (TRS)

Second week progress report

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Overview
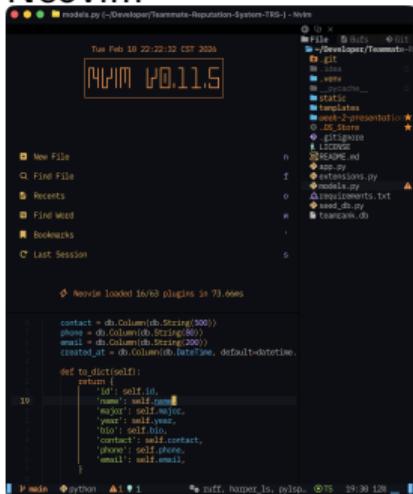
1. Introduction

2. Demonstration

3. AI Statement

4. Quiz

Team members

Anar Nyambayar
Fav code editor:
Neovim

Feiyang Zhong
Heading to:
Duke Summer Research
Feeling:
Nervous & excited
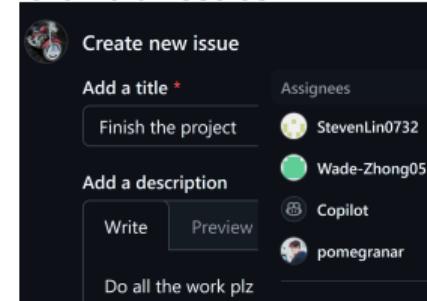
**Hongtian Lin**

Yuxiang Lin
Fav code editor:
GitHub Issues
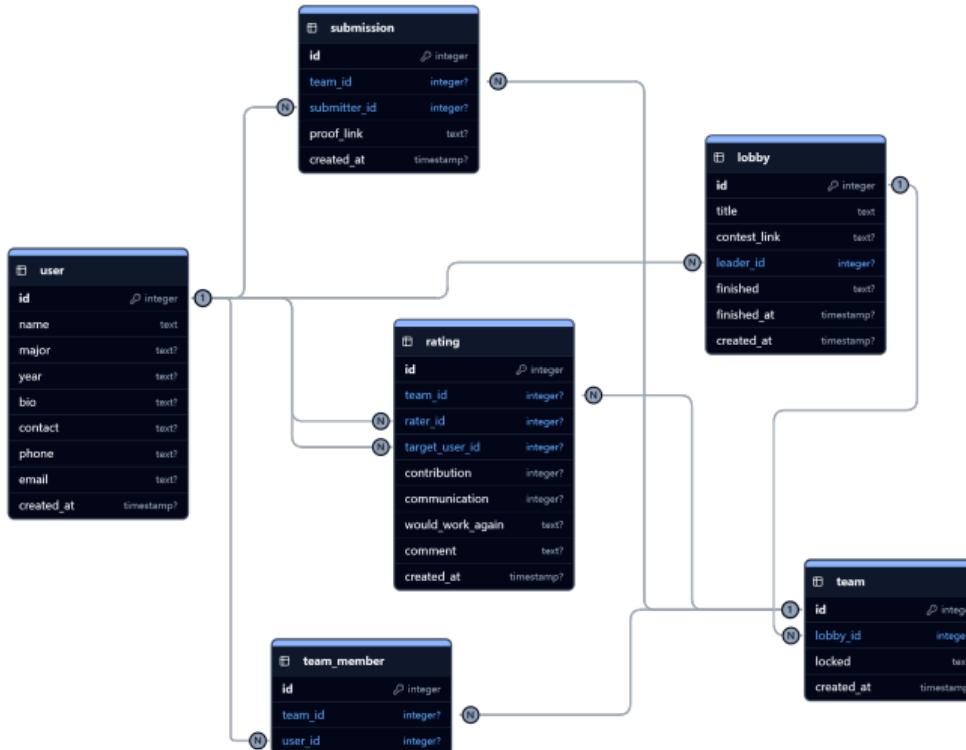
Backend

- **Framework:** Flask (Python) with server-side rendered pages (Jinja2 templates)
- **Data layer:** Flask-SQLAlchemy (SQLAlchemy ORM)
- **Database:** SQLite (local file DB, e.g., `teamrank.db`)
- **Models / tables:** User, Lobby, Team, TeamMember, Submission, Rating
- **How data access works:** Python objects $\rightarrow$ ORM queries $\rightarrow$ generated SQL
- **Notes:** simple schema evolution for SQLite (no full migration tool yet)

Database Schema (ER Diagram)

Database Seeding

- **Goal:** generate stable demo data (no empty pages)
- **Workflow:** reset tables → insert records
- **Seeded:** `User, Lobby, Team, TeamMember, Submission, Rating`
- **Effect:** `/login` and `/lobbies` ready immediately

Run

```
python seed_db.py
python app.py
```

Demo of the full workflow

The End