

# Teammate Reputation System (TRS)

Second week progress report

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Duke Kunshan University

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# Overview

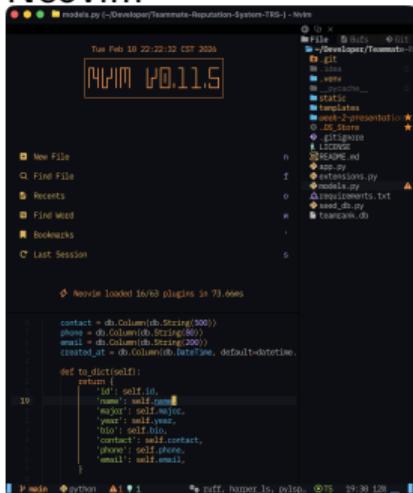
1. Introduction
2. Demonstration
3. AI Statement
4. Quiz
5. Template examples
6. Demonstration
7. AI Statement
8. Quiz

# Team members

## Anar Nyambayar

Fav code editor:

Neovim



A screenshot of the Neovim code editor. The title bar shows "models.py (~Developer/Teammate-Reputation-System-TRS-1) - Neovim". The status bar at the bottom indicates "Tue Feb 10 22:22:32 EST 2024". The left sidebar contains a file tree with "models.py" selected. The main editor area shows Python code for a "Contact" class with methods like \_\_init\_\_, \_\_str\_\_, and to\_dict. The status bar also shows "Nvim loaded 16/68 plugins in 73.66ms".

```
class Contact(db.Model):
    name = db.Column(db.String(500))
    phone = db.Column(db.String(20))
    email = db.Column(db.String(200))
    created_at = db.Column(db.DateTime, default=datetime.utcnow)

    def to_dict(self):
        return {
            'id': self.id,
            'name': self.name,
            'email': self.email,
            'year': self.year,
            'bio': self.bio,
            'contact': self.contact,
            'phone': self.phone,
            'email': self.email,
        }
```

## Feiyang Zhong

Heading to:

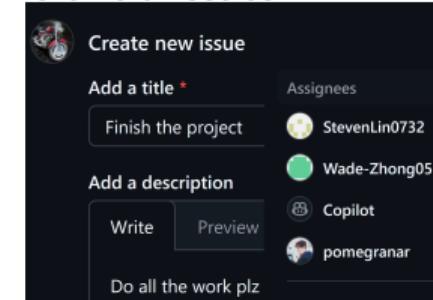
Duke Summer Research **Hongtian Lin**

Feeling:

Nervous & excited

## Yuxiang Lin

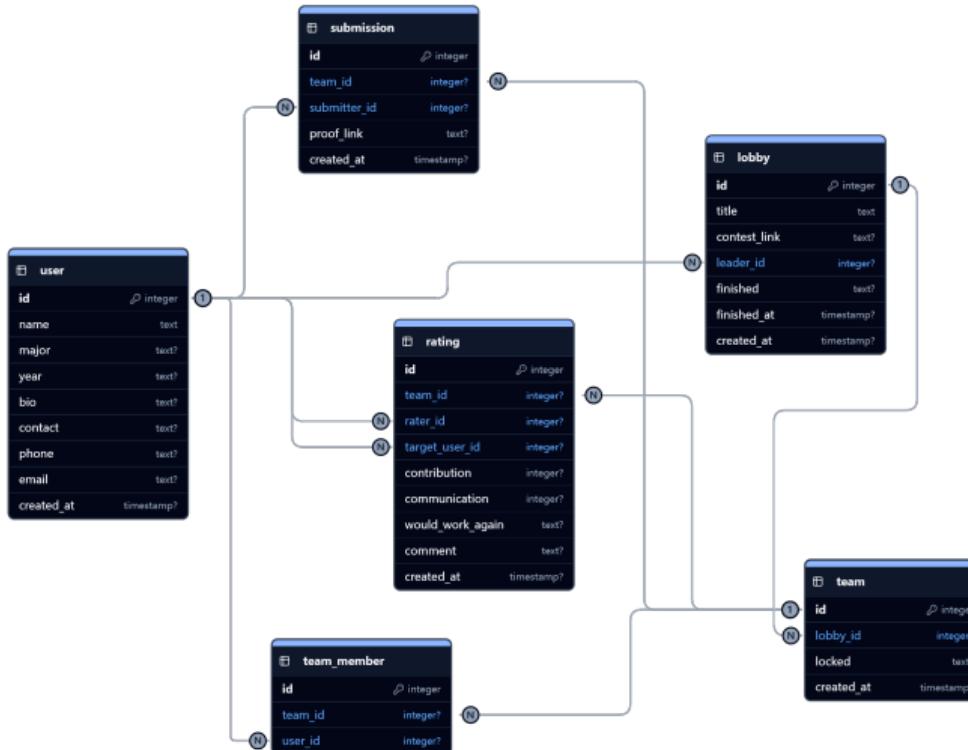
Fav code editor:  
GitHub Issues



- **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 → ORM queries → 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
```

## Bullet Points

- Lorem ipsum dolor sit amet, consectetur adipiscing elit
- Aliquam blandit faucibus nisi, sit amet dapibus enim tempus eu
- Nulla commodo, erat quis gravida posuere, elit lacus lobortis est, quis porttitor odio mauris at libero
- Nam cursus est eget velit posuere pellentesque
- Vestibulum faucibus velit a augue condimentum quis convallis nulla gravida

# Blocks of Highlighted Text

In this slide, some important text will be **highlighted** because it's important. Please, don't abuse it.

## Block

Sample text

## Alertblock

Sample text in red box

## Examples

Sample text in green box. The title of the block is “Examples” .

# Multiple Columns

## Heading

1. Statement
2. Explanation
3. Example

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

# Demonstration

Demo of the full workflow

# The End