

Team Contract

TBD Chatapp

The **TBD Chatapp** project aims to create a Chatapp mainly using Django to create a real-time chat application where users can communicate in different chat rooms. The app will support multiple users, handle real-time messaging, and ensure secure data management.

Team Members:

- 1.1820222024 - 麦默德 - Aimal Khan
- 2.1820222043 - 巴戈 - Ahmad Wakil Babagana
- 3.1820222022 - 胡天 Mohammed Alhuteily
- 4.1820222033 - 罗卡 - Tilan

The purpose of this contract is to outline the working agreements and responsibilities of the team members involved in the project. This contract aims to ensure clear communication, accountability, and collaboration.

Roles and Responsibilities

1.1820222024 - 麦默德 - Aimal Khan : Team Leader & Backend Developer

Project Management: Oversee the project timeline, track progress, and ensure deadlines are met. Facilitate communication among team members.

Backend Development: Develop and maintain the server-side logic using Django, including implementing WebSocket protocols with Django Channels for real-time communication.

Documentation: Ensure that all activities are well-documented for future reference.

2.1820222043 - 巴戈 - Ahmad Wakil Babagana : Frontend Developer & UI/UX Designer

Frontend Development: Design and implement the client-side interface using HTML, CSS, and JavaScript. Ensure the frontend is responsive and user-friendly.

UI/UX Design: Create wireframes, mockups, and user flow diagrams to ensure an intuitive user experience.

WebSocket Integration: Integrate WebSocket functionality in the frontend for real-time chat updates.

3.1820222022 - 胡天 **Mohammed Alhuteily** : DevOps & Quality Assurance (QA)

DevOps: Set up the development and production environments, including CI/CD pipelines. Manage deployment using platforms like AWS, Heroku, or DigitalOcean.

Quality Assurance: Conduct regular testing (unit tests, integration tests, and end-to-end tests) to identify and fix bugs. Ensure that the app meets the project's quality standards.

Monitoring & Maintenance: Monitor the app's performance post-deployment and handle any issues that arise.

4.1820222033 - 罗卡 - **Tilan** : Database Administrator & API Developer

Database Management: Design and manage the database schema using Django's ORM. Ensure data integrity and efficient database operations.

API Development: Develop RESTful APIs for handling user authentication, message storage, and chat room management.

Security: Implement security measures to protect user data and prevent unauthorized access.

Communication Protocol

Meetings: The team will meet every weekday during class either face to face or via Tencent

Communication Tools: The primary communication channels will be WeChat in which a group will be made

Response Time: Team members are expected to respond to messages always during the workweek.

Documentation: All important discussions and decisions should be documented and shared in our WeChat group

Decision-Making Process

Consensus: Decisions will be made by consensus, where all team members agree on the course of action.

Voting: If consensus cannot be reached, a majority vote will decide, with each member having one vote.

Tiebreaker: In case of a tie, Team Leader will have the final say.

Conflict Resolution

Internal Discussion: Any conflicts should be addressed within the team. Members are encouraged to communicate openly and respectfully.

Mediation: If the conflict cannot be resolved internally, a neutral third party(Teacher) may be consulted.

Work Quality and Deadlines

Quality Standards: All work should meet the agreed-upon standards and requirements.

Deadlines: Deadlines must be respected. If a member cannot meet a deadline, they should inform the team as soon as possible to find a solution.

Accountability

Responsibility: Each team member is responsible for their assigned tasks and contributing to the project's overall success.

Peer Evaluation: Team members will periodically evaluate each other's performance and provide constructive feedback.