

# Project status report 5

CS673 Team-5 Project

## Meeting Minutes 1

Date and Time: 10/30/2024, 9:30 pm-10:00 pm

Place: Zoom meeting

Participants: Yi Zeng, Aradhana Mehra, Tianchi Wu

Minutes taker: Yi Zeng

Timekeeper: Yi Zeng

Purpose: Discuss software development work distribution.

### Agenda:

1. Work distribution
2. Potential problems of software development

### Discussions:

1. Distributed the APIs and Pages assignment and explanation.
2. Discussed problems in using the Frameworks, connecting to DB, APIs & Pages design.

### Key Decisions:

1. Work distribution:
  - Damodhar Pai: APIs: Register, Login, GetUserInfoById
  - Aradhana Mehra: APIs: AddPost, GetPostDetail, UpdatePost, DeletePost
  - Yi Zeng: Infrastructure: Authentication (JWT generate method and auth decorator); APIs: Hashtag-Post-Related-APIs (CRUD, Relationship)
  - Tianchi Wu: Pages: Registration page, Login page, Create Post page, Update Post page, User profile page
  - Chaojin Guo: Pages: Post Detail page, Home page

# Meeting Minutes 2

Date and Time: 11/7/2024, 8:45 pm-9:45 pm

Place: Zoom meeting

Participants: Yi Zeng, Damodhar Pai

Minutes taker: Yi Zeng

Timekeeper: Yi Zeng

## Discussions:

1. Dev standard: where to put the model code; where and how to create APIs.
2. I remotely controlled Damodhar Pai's computer and adjusted the project code and env so that the project could run successfully on the local PC.
3. Explained how to use Postman to test APIs. Demonstrated how to generate JWT token and authentication on other APIs, by using Hashtags APIs as examples.

## Key Decisions:

1. At backend, we should separate the different apps in Django by business module, models should be created on corresponding apps.
2. Pai should work on the "users" app (folder), create the models you're gonna deal with, like "user" and "user\_follow\_rel".
3. Aradhana should work on a new "post" app, you can create it, and create the model related to post in it, like "posts" and "comments".
4. Don't need to create duplicate models in different apps.
5. Push code as soon as possible, other people may need your APIs.

# Meeting Minutes 3

Date and Time: 11/8/2024, 2:00 pm-2:40 pm

Place: Zoom meeting

Participants: Yi Zeng, Aradhana Mehra

Minutes taker: Yi Zeng

Timekeeper: Yi Zeng

## Discussions:

1. Remotely controlled Aradhana's computer and adjusted the project code and showed how to use Postman to use the login function to get a JWT token, and how to get the user info by decoding the token.
2. Discussed the foreign key problem.

# Meeting Minutes 4

Date and Time: 11/9/2024, 2:00 pm-3:00 pm

Place: Zoom meeting

Participants: Yi Zeng, Aradhana Mehra, Damodhar Pai

Minutes taker: Yi Zeng

Timekeeper: Yi Zeng

Purpose: Check our progress. Decide next dev tasks

## Agenda:

1. Check the progress
2. Next dev tasks

## Discussions:

1. Checked backend development progress
2. Assigned the APIs going to be develop, checked the Jira
3. Discussed problems on development, commit
4. Created Postman team for APIs test case sharing

## Key Decisions:

1. Yi Zeng: Help to fix the problem on post's model and "addPost" APIs; New APIs tasks: getPopularTags, FullTextSearch
2. Aradhana Mehra: Fix the "post" related APIs; New APIs tasks: ListPosts(all posts / following)(Paginating), ListPosts (Paginating)(byTags)
3. Damodhar Pai: Add GetUserInfoById API; New APIs tasks: Follow, Unfollow, ListFollowers (Paginating)

## Action Items:

1. Project status report 5
2. Project's code

# Meeting Minutes 5

Date and Time: 11/10/2024, 2:00 pm-6:00 pm

Place: Mugar Memorial Library (onsite)

Participants: Chaojin Guo, Tianchi Wu

Minutes taker: Chaojin Guo

Timekeeper: Chaojin Guo

## Discussions:

1. Discussed the design and implementation of the login interface to ensure smooth user authentication.
2. Implemented the logic for navigating between different pages within the application.
3. Improved the design of the homepage and various pop-up windows to enhance user experience.
4. Adjusted the layout and style of the user interface for better visual appeal and usability.
5. Refactored the code to make it more modular and reusable by breaking it down into components.

## Individual Contribution

- Damodhar Pai:
  1. Created user registration and login APIs with secure password hashing, using reusable helper functions for tasks like password validation and hashing to streamline code.
  2. Implemented JWT-based authentication with token expiration management to improve session control and security.
  3. Developed a protected route using JWT validation to secure restricted endpoints, with centralized error handling for token validation, enhancing maintainability.
  4. Enforced password strength requirements to improve account security, ensuring passwords meet complexity standards.
  5. Added input validation and error handling for clean and standardized API responses.
  6. Designed the GetUserInfoById API to retrieve user details by ID securely, leveraging optimized token management.
- Tianchi Wu:
  1. Import the react-router-dom library to handle routing
  2. Finished the User Profile Page
- Aradhana Mehra:
  1. Imported Post model API in Postman and tested each API
  2. Worked on building ListPosts to display all posts and following posts with pagination

- Chaojin Guo:
  1. Implemented the logic for navigating between different pages and created various components for the front-end.
  2. Made adjustments to the format of the components to ensure consistency and improve usability.
  3. Refactored the front-end code to make it more modular and maintainable.
  4. Reviewed and adjusted the code written by other team members, fixing any bugs and ensuring consistent formatting.
  5. Held offline discussions with team members to discuss and refine the front-end design.
- Yi Zeng:
  1. Held meetings, discussed problems, helped to fix.
  2. Completed Authentication infrastructure, including definitions of JWT Token generation rules and usage methods for developers to refer to and use.
  3. Completed Hashtag related CRUL APIs, and APIs about hashtags relationship with posts
  4. Contributed to “users” and “posts” apps, including guiding for developers and APIs & bugs fixing.

## GitHub Repository

<https://github.com/tianchiw/terrier-connect>