

Project status report 6

CS673 Team-5 Project

Meeting Minutes 1

Date and Time: 11/17/2024, 2:00 pm-3:00 pm

Place: Zoom meeting

Participants: Yi Zeng, Chaojin Guo, Aradhana Mehra, Damodhar Pai, Tianchi Wu

Minutes taker: Yi Zeng

Timekeeper: Yi Zeng

Purpose: Check progress. Discuss frontend and backend integration. Discuss QA.

Agenda:

1. Check progress
2. Discuss frontend and backend integration
3. QA and testing plan

Discussions:

1. Describes how to integrate and how to use Postman to view API documentation
2. Assigned integration tasks for frontend developers
3. Assigned new APIs development tasks to backend developers
4. Plan to use Postman for APIs testing, Damodhar Pai, as the QA lead, needs to ensure quality, think testing plan, and guide members to work on.

Key Decisions:

1. The work content will be agile and changeable, see Jira and Discord todo lists for details
2. Work distribution:
 - Damodhar Pai: QA, New API development
 - Aradhana Mehra: Bug fixing, New API development
 - Yi Zeng: Bug Fixing, New API development
 - Tianchi Wu: API integration
 - Chaojin Guo: API integration

Meeting Minutes 2

Date and Time: 11/18/2024, 10:30 pm-11:30 pm

Place: Zoom meeting

Participants: Yi Zeng, Damodhar Pai
Minutes taker: Yi Zeng
Timekeeper: Yi Zeng
Purpose: Bugs fixing, discuss QA Todo List.

Discussions:

1. Helping to fix bugs and adding APIs in Postman by remote controlling to Pai's PC.
2. We discussed the QA test plan. The current main purpose is integration, and it is necessary to ensure that the return value of APIs can meet the requirements of front-end display.

Meeting Minutes 3

Date and Time: 11/18/2024, 10:30 pm-11:30 pm
Place: Zoom meeting
Participants: Yi Zeng, Chaojin Guo, Tianchi Wu
Minutes taker: Yi Zeng
Timekeeper: Yi Zeng
Purpose: Check integration progress. Go through all pages and APIs and return values. Discuss deadlines.

Discussions:

1. Checked APIs integration progress, it's about 30% approximately.
2. Have gone through all APIs that should be integrated, check the return values on Postman. Fixed the typo & missing in the Postman API document by the way.
3. Checked pages appearance, discussed optimization plan.

Key Decisions:

1. Front-end developers should hold meetings in the next few days to discuss more together.
2. Contact Back-end developers when facing issues.
3. Should complete integration before Dec 3rd.

Meeting Minutes 4

Date and Time: 11/25/2024, 10:30 pm-11:30 pm
Place: Zoom meeting
Participants: Aradhana Mehra, Chaojin Guo, Tianchi Wu
Minutes taker: Aradhana Mehra
Timekeeper: Aradhana Mehra
Purpose: Test and analyze potentially needed APIs for integration in our pages.

Agenda:

- Test all potentially needed APIs using Postman.
- Analyze how APIs might be used in our pages.

Discussions:

- Successfully tested APIs using Postman.
- Analyzed the functionality and integration potential of each API for corresponding pages.

Meeting Minutes 5

Date and Time: 11/30/2024, 10:00 pm-11:00 pm

Place: Zoom meeting

Participants: Aradhana Mehra, Chaojin Guo, Tianchi Wu

Minutes taker: Aradhana Mehra

Timekeeper: Aradhana Mehra

Purpose: Discuss adjustments to current pages and the frontend file structure.

Agenda:

- Review current page designs and Home page content.

Discussions:

- Focused on possible adjustments to the content displayed on the Home page.
- Talked about changes to the file structure of the frontend to improve clarity and maintainability.

Meeting Minutes 6

Date and Time: 12/01/2024, 2:00 pm-5:00 pm

Place: PAL lounge (Mugar Memorial Library)

Participants: Chaojin Guo, Tianchi Wu

Minutes taker: Chaojin Guo

Timekeeper: Chaojin Guo

Purpose: Discuss the frontend file structure, UI design and some bugs while generating API.

Discussions:

- Different ideas about front end project structure with generated API.

- Negotiate the storage locations of different APIs and components of Homepage and Navigation bar in the project structure.
- Standardized the structure of APIs in the front-end, store these APIs uniformly in the `apiService.js` file.

Individual Contribution

1. Damodhar Pai:

1. Implemented and tested comprehensive User APIs including authentication, profile management, and follow/unfollow, list followers/following functionality.
2. Conducted penetration testing to identify security vulnerabilities in user authentication and data validation endpoints.
3. Performed thorough QA testing using Postman to verify API functionality and response handling.
4. Collaborated with frontend developers to ensure proper API integration and documentation.
5. Implemented robust security measures including JWT token validation, password strength verification, and file upload protection.
6. Added pagination support for user-related endpoints to optimize performance and data loading.

2. Tianchi Wu:

1. Redesigned and rebuilt the Index page to ensure the design is suitable for both mobile and desktop users. Integrated login and registration APIs and added page navigation functionality.
2. Integrated the TopTags API into the Sidebar, enabling the Sidebar to display the top 10 tags properly.
3. The Homepage now displays a list of posts, with each post linking to its corresponding PostDetail page.
4. Created a new Profile page that displays the profile of a user specified by ID. On the Profile page of the currently logged-in user, there is an Edit Profile button that redirects to the EditProfile page when clicked.
5. Configured Cloudflare Tunnel on the Raspberry Pi, allowing it to be accessed via a domain name through Cloudflare's network without requiring a public IP address.
6. Configured Docker on the Raspberry Pi. This Raspberry Pi will be used as our web server.

3. Aradhana Mehra:

1. Worked closely with the frontend team to ensure seamless integration of the POST API, debugging and providing backend support during the development process.
2. Implemented the List Post API, enabling efficient retrieval and display of posts across the platform.

3. Took on the role of timekeeper during meetings, ensuring discussions stayed on track and within the allocated time frame.
 4. Played a key role in preparing and formatting Report 6, focusing on aligning content, maintaining structure, and ensuring clarity for submission.
4. Chaojin Guo:
- Search page:
1. Redesigned and rebuilt the search page and search bar to ensure the design is suitable for both mobile and desktop users.
 2. Integrated API for searching posts by tag or keyword
 3. Added page flipping functionality.
 4. Fixed an issue that returned an error when the tag did not exist.
 5. Improve the jump function of search interface and post content display.
- Post Detailed page:
1. Designed and improved the post page.
 2. Integrate the post content and author display API, and display the tags of the post.
 3. Add the button of modifying and deleting the post, and the button of commenting the post to the post page. Display these buttons in the bottom right corner.
 4. Added a comment section to the post page. It is possible to check if the logged in user and the comment author are the same to decide if the comment can be deleted or not.
 5. Added the ability to reply to comments.
- Others:
1. Adjust the front-end project structure by pulling out modules from the navigation bar and some pages, such as the EditPost and AddPost modules, to make the code structure easier to understand.
 2. Standardize the structure of APIs in the front-end, store these APIs uniformly in the services folder.
 3. Store information about the logged-in user locally for easy access during API calls.
 4. Worked closely with the backend team to ensure seamless integration of the APIs, testing and debugging during the development process.
5. Yi Zeng:
1. Held meetings for checking progress, guiding integration, QA advice and problems fixing.
 2. Implemented full_text_search API and auto search vector indexing functionality. Allow users to search the contents of posts by text.
 3. Modified addPost API, enable auto adding post and Hashtags relationship functionality.
 4. Added get_popular_hashtags API, can get hashtags list being used within 24 hours with usage times.
 5. Hashtags APIs pagination and return format changes; Results order customize functionality.

6. Added image upload handling functionality in users and posts apps to apply avatar and media uploading in their APIs.
7. Added Comments related APIs, allow users to leave comments in posts, and can also reply to comments.
8. Fixed bugs and refactored code across many places, to integrate better and improve quality.

GitHub Repository

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