Biweekly Report（21 April to 11 May）

Team 14 张茁含睿 胡家豪 黄俊哲 陶子芾

Ongoing Work

Week 1

Advanced system integration prep with automated testing

person in charge: 张茁含睿，working hours: 10 h

Completed front-end design, optimized performance, collaborated on multi-modal processing, and prepared for system integration

person in charge: 胡家豪，working hours: 12 h

collaborated with the back-end team to integrate and validate APIs, resolved compatibility and authorization issues, and ensured stable end-to-end data flow

person in charge: 陶子芾，working hours: 6 h

designed and implemented the front-end architecture, developed core UI components with multi-platform adaptability, and optimized rendering performance

person in charge: 黄俊哲，working hours: 18 h

Week 2

Complete the backend architecture construction and prepare task division for the testing phase

person in charge: 陶子芾，working hours: 8 h

collaborated with the back-end team to integrate and validate APIs, resolved compatibility and authorization issues, and ensured stable end-to-end data flow

person in charge: 黄俊哲，working hours: 16 h

resolving key issues like browser inconsistencies and API timeouts.

person in charge: 张茁含睿，working hours: 8 h

Progress

Front-end Developmet

- Overall Architecture Design: Completed the front-end architecture design, modularized core UI components, and built a stable, efficient component library for future scalability and multi-platform support.
- Multi-platform Adaptation and Performance Optimization: Adapted core UI components across various platforms (PC, tablet, mobile) and browsers, optimized with responsive layouts, CSS media queries, lazy loading, and asynchronous rendering to improve page speed and rendering smoothness.
- User Interaction Optimization: Enhanced user interaction by adjusting flow, improving feedback mechanisms, and adding micro-animations to key interaction points based on user feedback.

Back-end Development

- LLM Interface Integration: Integrated the large-scale language model (LLM) interface and verified data flow between the front-end and back-end, ensuring correct data handling and format compliance.
- Permission Verification and Compatibility Fixes: Addressed permission issues by debugging and adjusting API permission settings, ensuring correct request handling.
- Data Flow Optimization: Optimized data transmission methods, using more efficient compression algorithms and reducing unnecessary requests for improved data interaction efficiency.

Next Step (12 May – 25 May)

Accoring to our Gantt Schedule, from 12 May to 25 May, The next phase is system integration and testing.