Release Notes
Kaiju Academy

Group A2

May 7, 2025

Release Notes

Version	Release Date	Author(s)	Summary
1.1	2025-05-07	Group A2	Major release: stable public version, payment/credit system integrated, improved code assessment, and educator dashboards.
1.0	2025-04-12	Group A2	Initial complete implementation: user registration, courses, code runner, basic educator/student features.
0.5	2025-03-12	Group A2	Beta milestone: core backend and frontend features, code execution, user roles.
0.2	2025-03-05	Group A2	Alpha: database schema, initial authentication, minimal course browsing.
0.1	2024-02-20	Group A2	Project setup: repository, pipeline, initial UI prototyping.

1 What's New in Version 1.1

- **Credit and Payment System:** Users can purchase credits and enroll in paid courses. All payment handled securely via third-party gateway.

- **Improved Code Assessment:** Enhanced code editor with auto-grading, feedback, and support for multiple languages.

- **Educator Dashboard:** Educators can manage courses, track student progress, and upload materials efficiently.

- **UI/UX Enhancements:** More responsive design, improved accessibility, and modernized navigation.

- **Security Improvements:** MFA support, better error handling, and encrypted user data.

- **Performance Optimizations:** Faster page load, scalable backend, and robust deployment on AWS.

2 Fixed Issues

- Fixed bugs in JWT authentication and session expiry.

- Resolved UI glitches in course browsing and profile pages.

- Improved error messages for failed logins and invalid course actions.

- Addressed concurrency issues in code execution and grading.

3 Known Issues

- Limited browser support for some interactive editor features; recommend Chrome or Firefox for best experience.

- Mobile UI in beta; minor layout issues may occur on certain devices.

- Community/forum features are not included in this release.

4 Upgrade Instructions

1. Backup your database and user data before upgrading.

2. Deploy the new backend Lambda functions and synchronize the SurrealDB schema.

3. Update the frontend application and environment configurations.

4. For production, ensure all environment variables (e.g., `JWT_SECRET`, AWS keys) are set.

5. Test core flows: registration, login, course enrollment, code submission, and educator dashboard access.

5 Credits

- **YU Ching Hei:** Backend, authentication, API design

- **Lei Hei Tung:** Frontend, UI/UX, educator dashboard

- **Ankhbayar Enkhtaivan:** Error handling, code assessment, documentation

- **Yum Ho Kan:** Frontend, user profile, testing

- **Leung Chung Wang:** Documentation, deployment, configuration