

FEEDBACK BOUNCE



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AGENDA

Project vision and goals

Demonstration

Technologies

Testing

Future development ideas

Lessons learned

PROJECT VISION AND GOALS

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PROJECT VISION AND GOALS

Vision: Simplify feedback giving for elementary students.

Goals:

- Gather feedback on courses and school activities.
- Transition to a digital feedback system.

Target Audience: Elementary and primary schools.





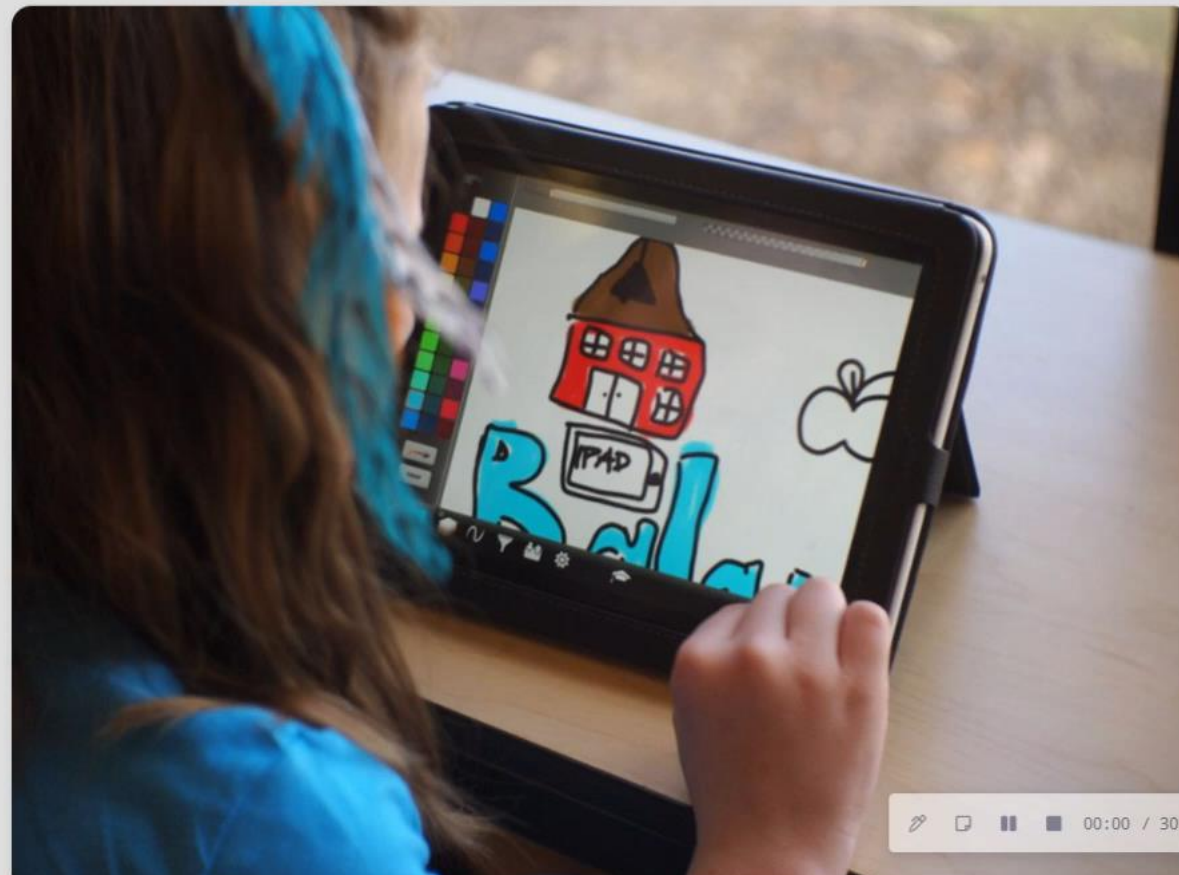
DEMO





Modern feedback system for education

FeedbackBounce introduces a new dimension to the connection between teaching and feedback, creating an innovative and efficient platform for both teachers and students. This system streamlines the feedback process, allowing teachers an easy way to collect, analyze, and act based on received feedback. Through FeedbackBounce, teachers can improve their teaching methods, adapt their approach to meet students' needs, and most importantly, enhance the overall educational experience. Adopt FeedbackBounce and step into the future of educational feedback.



User Management



sampo@example.edu



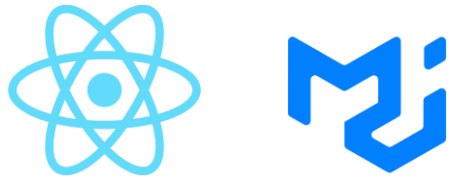
s@example.edu



TECHNOLOGIES



FRONTEND



BACKEND



express



CI/CD & TESTING



CODE QUALITY



TESTING



Testing

Unit testing

- Tool: Vitest
- Scope: REST API

E2E-testing

- Tool: Playwright
- Scope: GUI
 - user authentication
 - session creation
 - session answering
 - language changing

Both are run with Jenkins pipelines.

FURTHER DEVELOPMENT IDEAS



Further Development Ideas

Student

- Voice answers.
- Animations between questions.
- Profiles and anonymity chooser.
- Gamification.

Teacher

- Text-to-speech on questions.
- Better result analyzing tools.

School

- Integration to other school IT systems.



LESSONS LEARNED



Lessons Learned

Don't use School Database

- We migrated to SQLite mid-project to avoid VPN issues.

Agile/Scrum

- We learned a lot about project management and modern methods to create software.

The Usual

- Communication, technologies.



THANK YOU

bit.ly/feedback-bounce

(hosted on Metropolia so requires VPN)