

Document Type: Learning Needs Assessment
Project Title: Slovíčka z tabule (Whiteboard Vocabulary)
Target Audience: Adult language learners + their instructors

The Learning Gap

Adult language learners frequently lose momentum when transitioning from live whiteboard notes to self-directed study. At the same time, their instructors lack visibility into learning habits outside of live sessions.

Current State	Desired Outcome	Solution Intervention
Whiteboard vocabulary remains static after live sessions.	Learners complete short learning sessions within 24 hours.	Mobile-first micro-learning flashcards, quizzes, and AI chats generated directly from board imports.
Instructors have zero insight into study habits between classes.	Instructors track engagement and target difficult vocabulary proactively.	Integrated Learning Analytics Dashboard to track short- and long-term progress.

Learning Analytics Dashboard

The centerpiece of the application is an integrated Learning Analytics Dashboard that allows instructors to monitor learner progress across two complementary time horizons:

- **Short-Term Progress:** Tracks completion rates, time-on-task, and initial accuracy to measure impact of live instruction.
- **Long-Term Progress:** Monitors spaced-repetition performance over weeks, identifying learners who need proactive support.
- **Actionable Insights:** Automatically converts learner practice logs into targeted teaching recommendations for the next live session.