

Case Study:

Transforming language learning with an enhanced LMS platform

This case study demonstrates how a strategic LMS upgrade can significantly enhance the learning experience, improve user engagement, and support business growth in the competitive EdTech sector.



Client: EdTech company specializing in foreign language education for kids and adults

1. Challenge

The EdTech company faced several challenges with their outdated Learning Management System (LMS):

Complex architecture:

the existing LMS structure was intricate and inefficient, negatively impacting user experience.

Content integration:

difficulty in securely integrating third-party content from various platforms.

Scalability:

the platform struggled to accommodate the growing number of users, especially on mobile devices.

Personalization:

absence of tailored dashboard experiences based on user profiles and language courses.

User engagement:

lack of interactive features and real-time progress tracking for learners and instructors.

2. Solution

To address these challenges, the company partnered with **ZONE3000** to implement a comprehensive upgrade strategy:

1

Platform migration:

transitioned from Drupal 7 to a custom-built CMS based on Node.js/Express for backend and React.js for a dynamic front-end experience

2

Content integration:

developed API integrations to seamlessly incorporate third-party language learning content.

3

Interactive features:

implemented quizzes, progress tracking, and real-time feedback mechanisms.

4

Responsive design:

ensured full mobile compatibility to cater to on-the-go language learners.

5

Personalized dashboards:

created user-specific dashboards displaying relevant language courses and progress.

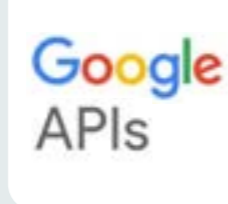
3. Technology Used



Express

CMS:

Custom-built CMS based on Node.js, Express, MongoDB



APIs:

Google API for content integration from various platforms.



Front-end:

Responsive design techniques for cross-device compatibility.



Automation Tools

Single Sign-On (SSO) implementation using Google and other education-focused platforms.

4. Result

The LMS upgrade resulted in significant improvements across various aspects of the platform:



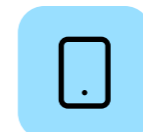
User experience:

streamlined site architecture led to a 42% increase in user engagement.



Content accessibility:

seamless integration of third-party content improved course completion rates by 38%.



Mobile usage:

mobile user retention increased by 56% due to responsive design implementation.



Personalization:

tailored dashboards contributed to a 22% increase in daily active users.



Scalability:

the platform now efficiently handles a 2x increase in concurrent users without performance issues.