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Business Domain
Education and E-learning

Project Type
Web-Based Education Platform

Award-Winning Web-Based Education Platform from South Africa to Worldwide

Client

Modlin is an e-learning company from South Africa that provides a virtual educational platform for schools in Africa, the USA, and the United Kingdom. The platform was designed to enhance school learning and advance the adoption of personalized education.

Project

Replacing the existing solution with a new web-based platform, opening up the application not only to schools in South Africa but also to anyone who wants to improve their knowledge of any of the subjects listed in the platform's catalog.

Objective

To expand the business by enabling adult learners to become educated in specific professions and gain certifications, all through online learning.

Team Reinforcement

A Remote Insourcing model was used to build the team that would transform the existing desktop solution, which was created for South African grade school and college students, into a web-based platform. This solution enables any student from anywhere in the world to become educated in any of the subjects available. New features had to be integrated to allow companies and organizations to educate their employees using the Learn2 platform.

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Challenge

Over 30 years, Modlin Education Solutions has invested in mapping skills, concepts, and subject disciplines – as well as the critical relationships between the three. Modlin has B-BBEE Level 1 status and currently runs offices in South Africa, Sub-Saharan Africa, the United Kingdom, and the United States, with more on the way.

The Modlin desktop application is designed to be installed and used in schools on certain range of devices. The Client wanted to broaden the user base and enable companies to educate their employees, which meant a web-based solution was required.

The Dedicated Team had to understand what could be re-used in full and then decide where to build new features without making significant changes to the existing logic.

Quick Facts

✓ 15 years of continuous cooperation

✓ Designed 100% of the Client's data management system

✓ The Client is able to concentrate on customers and quality service rather than technical details

Technologies
AngularJS / ASP.NET Core / Typescript / Capacitor / MS Azure / Identity Server / Microsoft Graph / DevOps services / Blob storage

Solution

★ 01
The existing platform has been fully transferred to the web with a new UI. The web-based solution allows students to use interactive learning materials and test exercises and download individually assorted learning materials on an ad-hoc basis.

★ 02
A new type of test was added to the application that enabled users to provide evidence of their competency in working with Word documents and other files. Also, the assessor functionality was added to the backend to track and review student achievements.

★ 03
The application now allows individual users of educational institutions (schools, colleges) to choose the subject they require in order to start their own independent educational journey.

★ 04
The process of adding new users to the system was fully automated. Previously, all users had to be added manually.

★ 05
The website was created to encourage people from the internet to become application users.

Client Reference

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Together with Intetics, Team Modlin Education Solutions has produced content for some of the world's largest educational publishers, including Harcourt Education, Pearson Longman, Riverdeep, Granada Learning, Letts Educational, DK Multimedia, and Cambridge.

David Modlin, CEO

Benefits and Results

★ Intetics was able to create a web-based platform and transfer code-base and application logic, as well as add new business processes.

★ The Dedicated Team entirely redesigned the existing platform with the latest digital design trends.

★ The process of engaging new users became fully automated.

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Techstack:

AngularJS, ASP.NET Core, Typescript, Capacitor, MS Azure, Identity Server, Microsoft Graph, DevOps services, Blob storage

Team: 15

Project Manager, System Analyst, Team Leads, C# Developers, JavaScript Developers, QA Engineers