SUCCESS STORY

Integral system of education information

Software Factory
(UX/UI, DEV, QA, DBA, DevOps, Support and Maintenance)

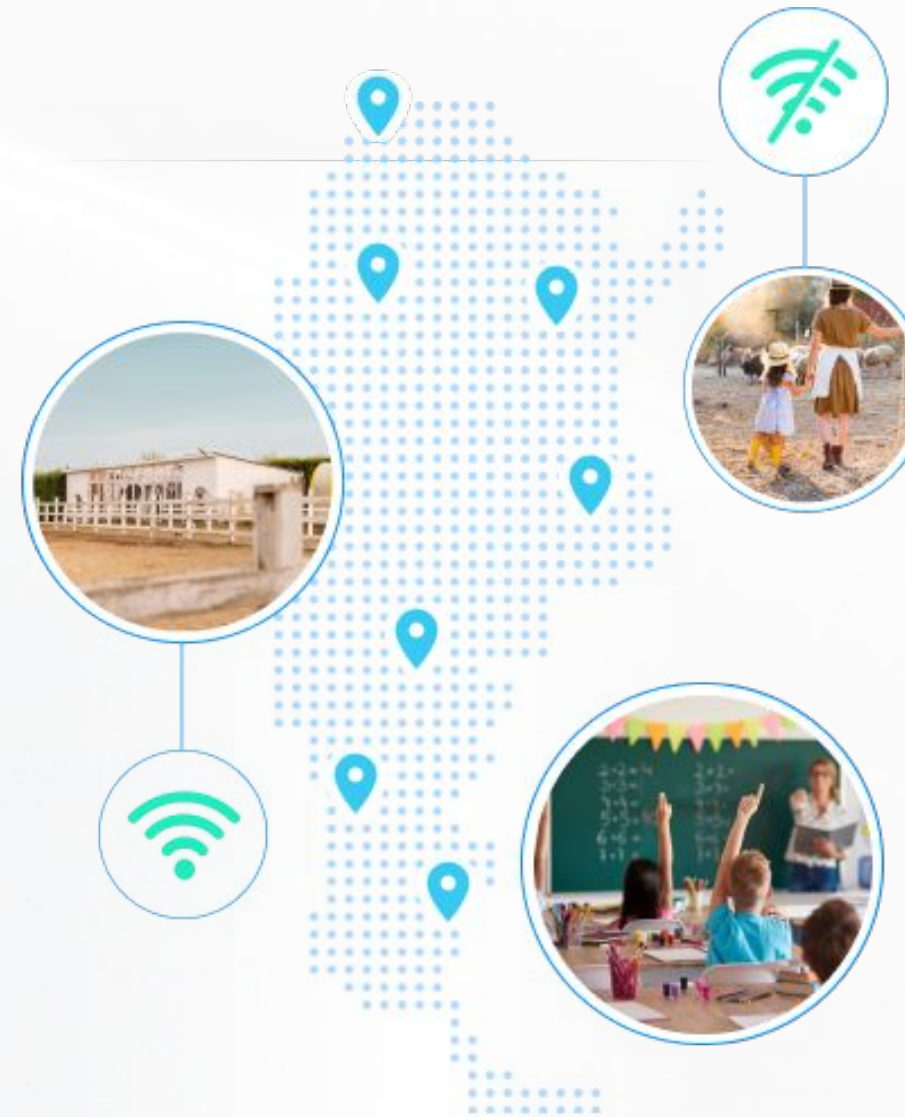Ministerio de Educación Argentina   SInIDE

Challenges

The Education Ministry sought a system to help teachers in improving student performance

A provincial and national approach with management levels was requested as part of the requirements. It should grant access to different types of information based on the users' hierarchy. Professionals with higher levels could assign academic grades; lower levels could register students, input grades, mark attendance, conduct personalized student follow-ups, and request transfers

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Challenges

Dashboards system to understand and help students in different environments

The system can also create dashboards to visualize metrics and statistics for improving national-level decision-making and even send notifications to parents, among other functionalities related to school management.

One of the requests was that the app could also support rural schools without internet connectivity.

‹ Wednesday, Dec. 13th 2023 ›

Cardozo, Ramiro	🟢
Barja, Salvador	🟡
De Palma, Fiorella	🟢
Felé, Ricardo	🟢
Gutierrez, Anastacia	🟢
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Gutierrez, Anastacia	⚪
arez, Andrea Emilia	⚪
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Proposal

Scalable system featuring unified architecture, open-source tech, and over 50,000 simultaneous users

A strategy for architecture was defined to handle each state separately, as each jurisdiction needed the ability to select which modules to use within the system.

A distinct approach was developed for schools in rural areas with or without internet access, involving the strategic placement of access devices to connect to the system database.
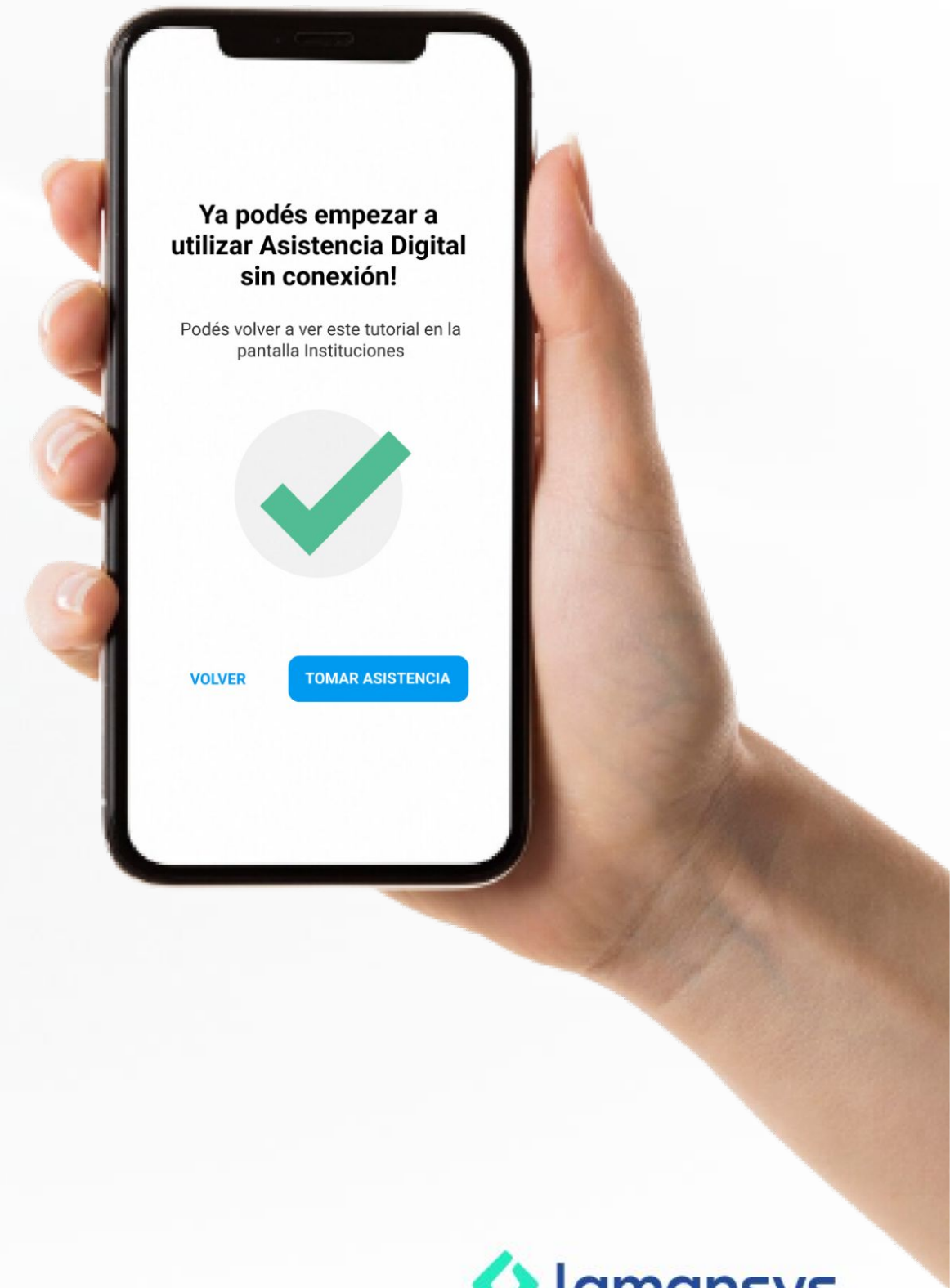

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Proposal

We developed an optimization strategy ensuring easy navigability with constant user feedback.

We ensure that the user experience is aligned with the users' needs.

An integration and migration strategy was implemented to consolidate data from the previous system into the new one.

Our teams worked applying incremental deliveries, ensuring continuous client feedback collection and efficient support for suggestions in a cost-effective manner.

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Results

Communication
Ongoing communication with end users to minimize costs during the project's development

Integration
Database migration and integration with user's pre-existing files from the prior system.

Agile
Incorporating Agile Methodologies across all teams for consistent monitoring of project advancement

Support
Production environment assistance through advanced automated testing to ensure solution quality.

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