

# ACADEMIC MANAGEMENT **SYSTEM**

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



Ministerio de Modernización  
Presidencia de la Nación



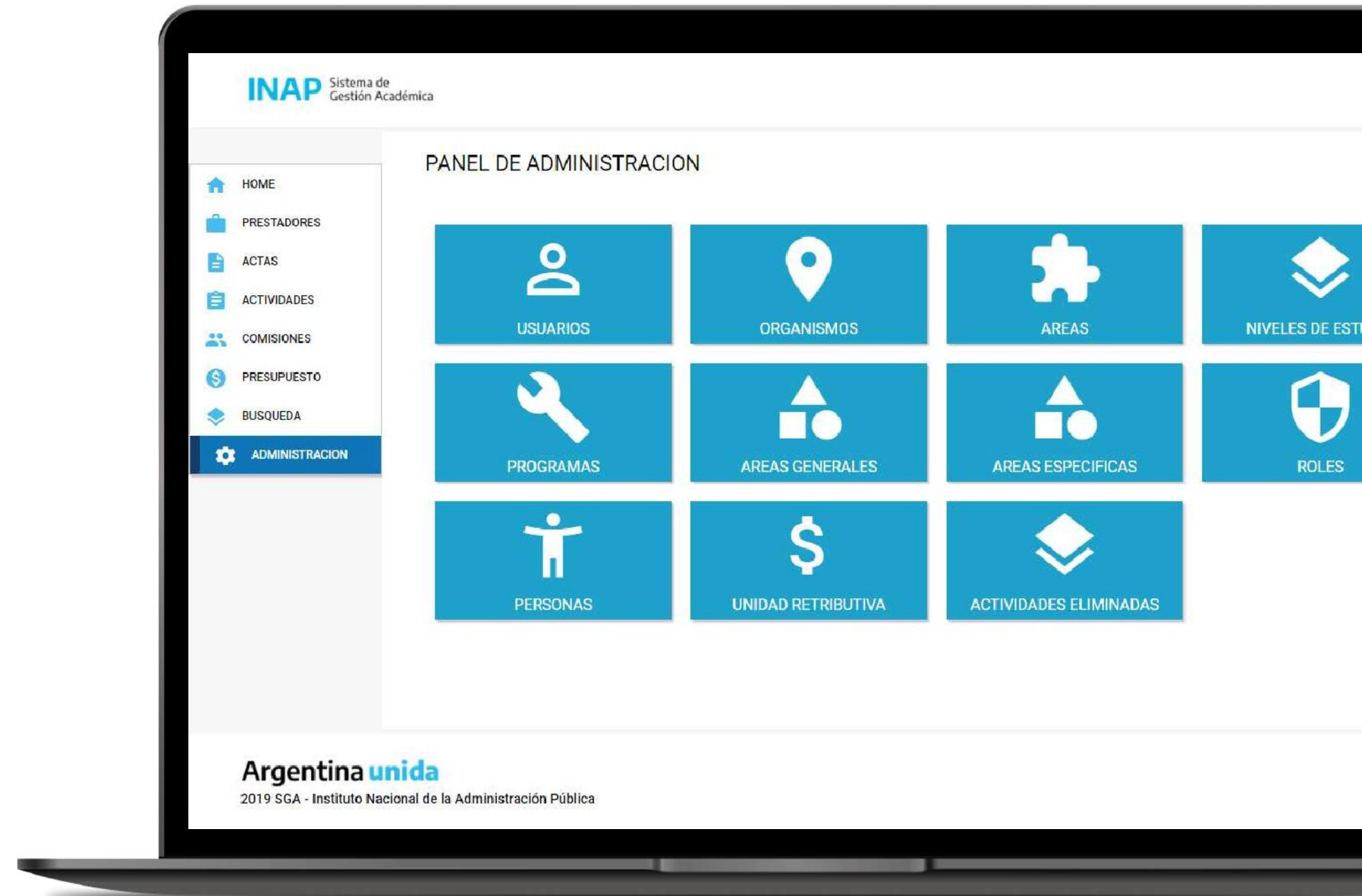
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# Challeng

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**The Modernization Ministry of Argentina shared the need for an academic management system to centralize all the professional development courses. The solution was intended to be used by employees from different public institutions.**

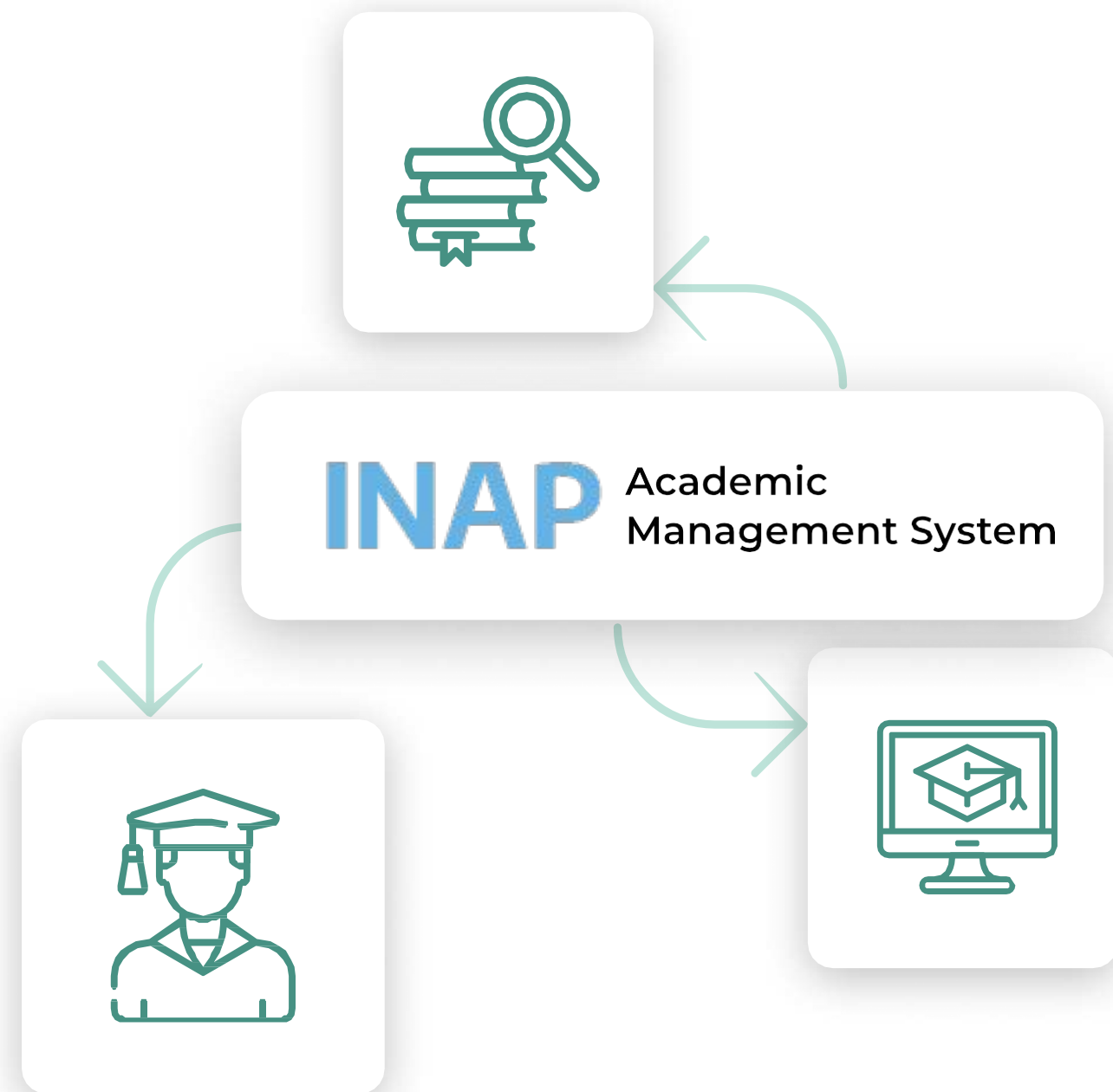
The platform would need to integrate itself with other already existing sites and provide an enhanced and better user experience than the current one.



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**As part of the challenge we needed to expand the number of public institutions with access to the platform and the educational offerings without affecting access speed and rate of users.**

It would be necessary for end users to clearly visualize important information to decompress the process, speed up website navigability and improve training programs attendance



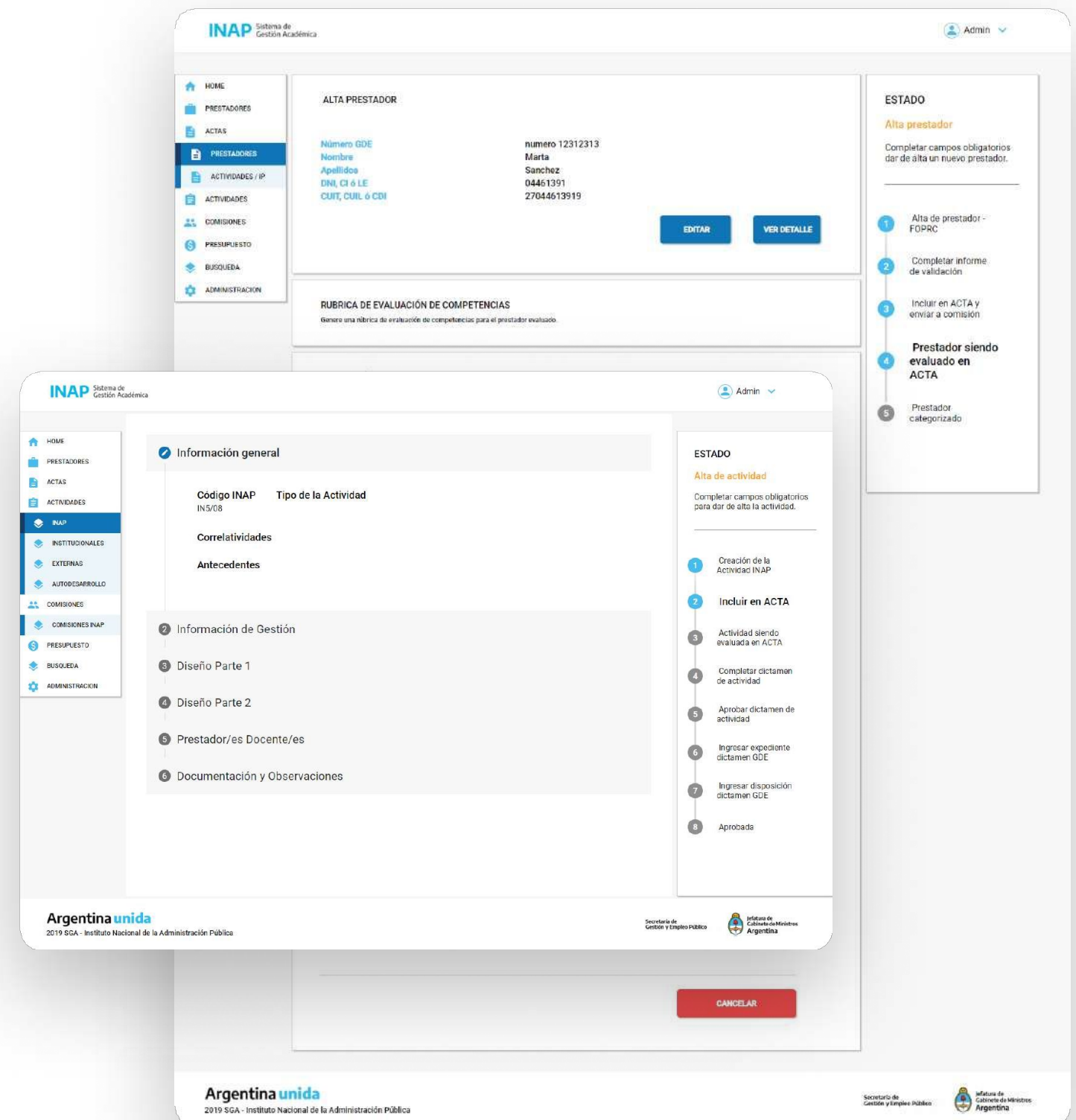


# Proposal

After interviewing the client and analyzing flows from the previous application we helped define and design the screens and system navigability using clickable frameworks

An architectural strategy was outlined to manage users, courses, stakeholders registration and categorization, pre enrollment management, annual budget planning and management, student follow-up and records, workflows and submit forms and tasks collaboratively and manage providers.

As part of the plan we set up an environment in ARSAT. The system would also be capable of integrating with Moodle portables for Virtual Campus functionalities and with WordPress for the Students' Portal through web Services.



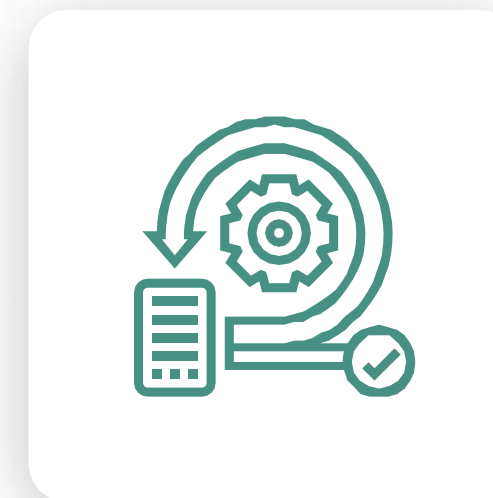
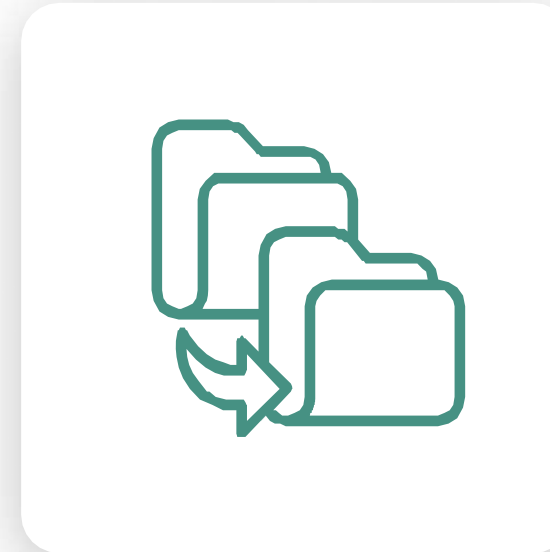
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In addition we proposed a data migration plan from the existing system to the new one.

We implemented a hybrid work methodology by applying Scrum and Kanban for the teams participating in the project.

Open source technologies were applied in order to minimize costs and to define the appropriate infrastructure for the productive environments.

We are currently providing support and maintenance while also developing new functionalities.



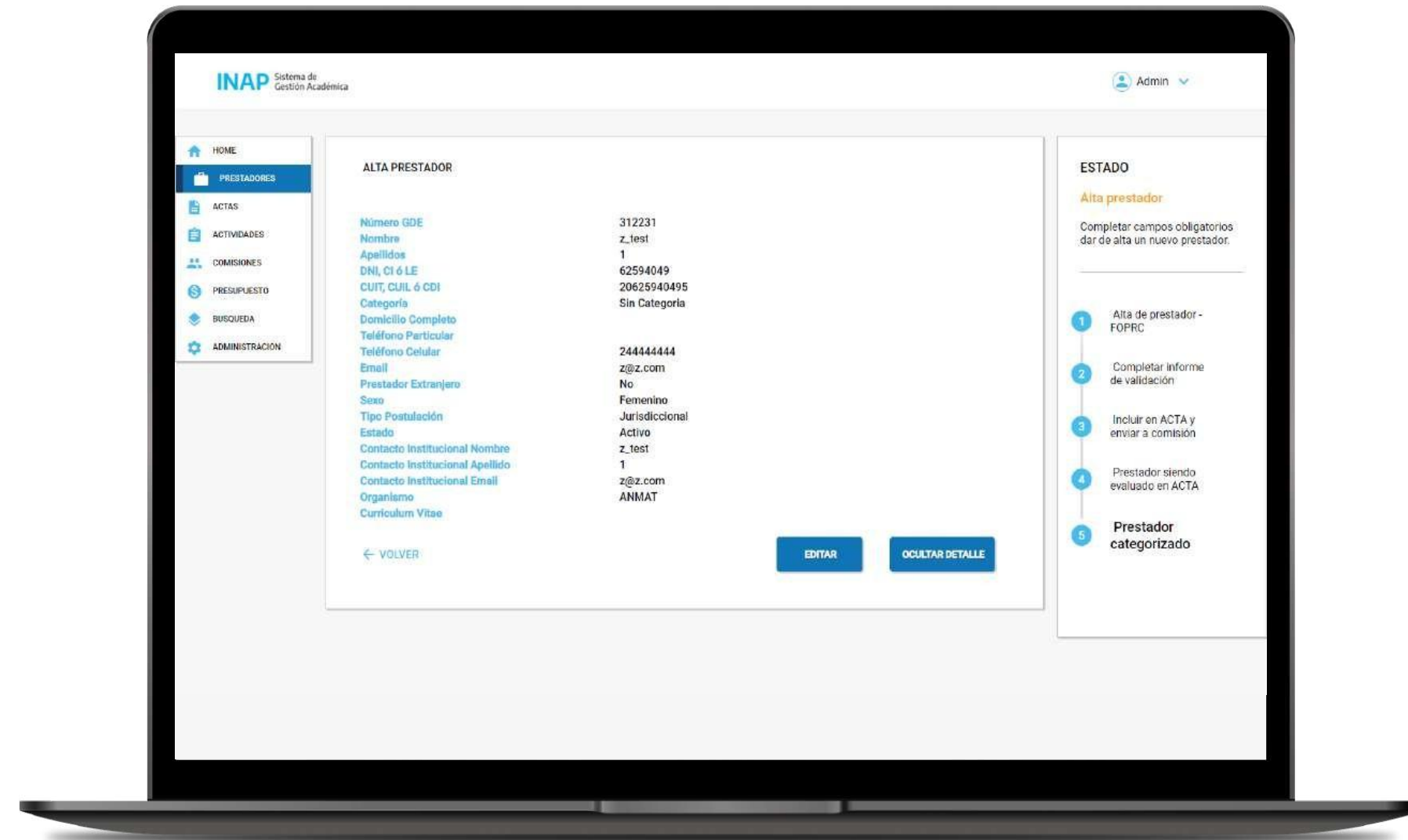
# Results

We delivered an application that prioritizes friendly user experience. We began working with a project discovery to define and analyze requirements and sketch screen mockups, with clickable frameworks.

We defined the system architecture, technologies to be applied and work methodology.

Support and maintenance plan.

Methodologic approach aimed at improving communication and client satisfaction.

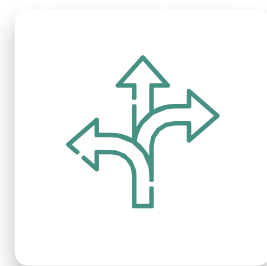


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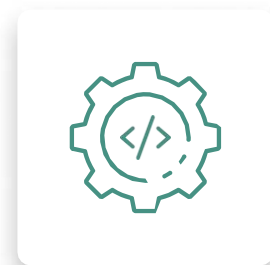
To turn this project from an idea to a tangible solution our research and planning steps were: back-end and front-end definitions, QA, architectural design, app specifications, infrastructure specifications and integration, and database migration.



Integration with existing Moodle sites and WordPress through Web Services.



Flexibility and adaptability to deadlines and meeting required functionalities.



Ongoing development of new functionalities



Planning and Metrics

