

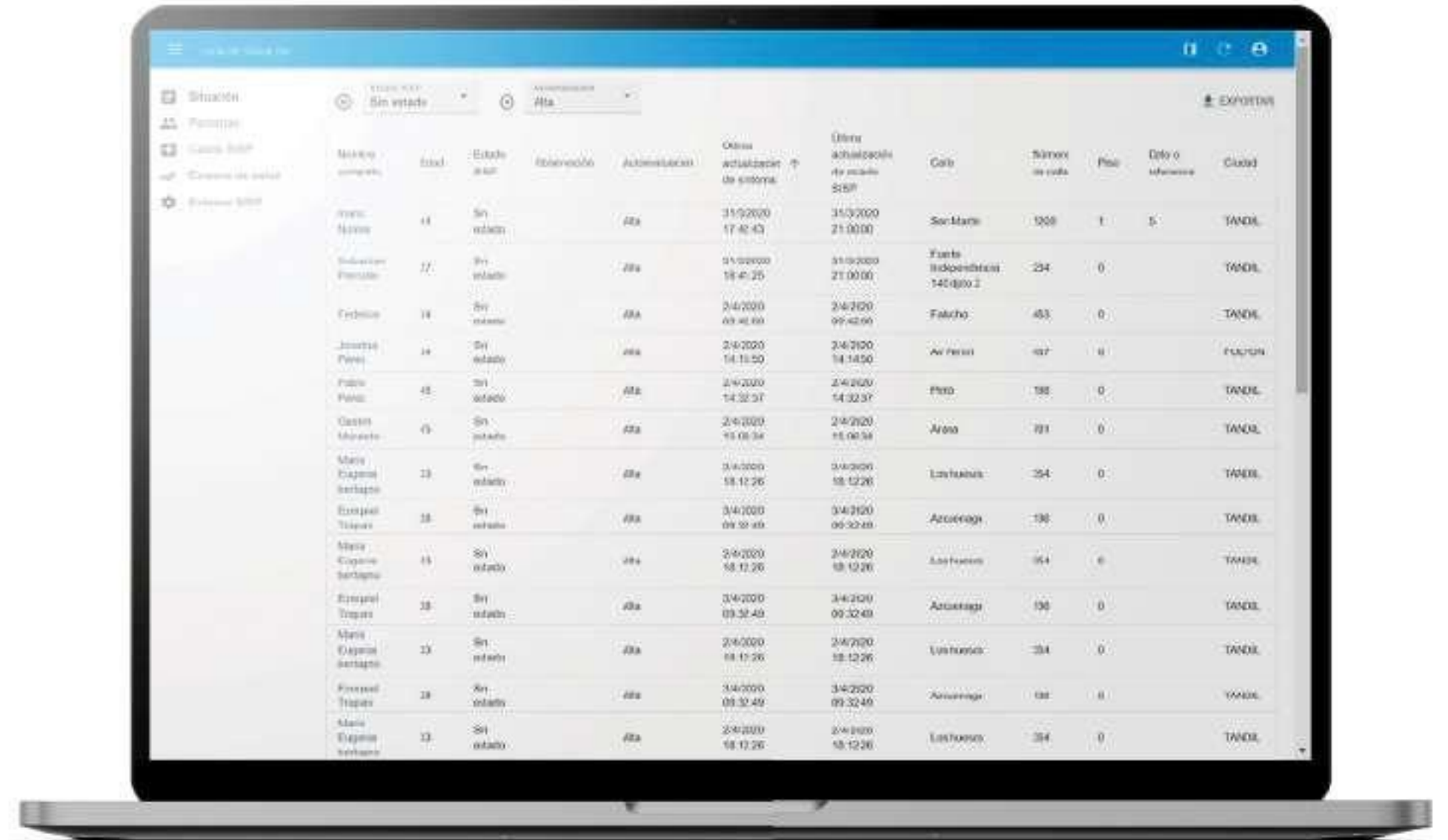
COVID-19 SELF **ASSESSMENT**

Lamansys succeeded in solving the need of a self-assessment and management tool that could be used in different Argentinian jurisdictions.



Challenge

COVID-19 was the stage to an unprecedented situation for the health systems around the world. Due to the constraints faced by sanitary institutions and the speed and severity of the cases there was a pressing need for a tool that could provide self assessment and management for different Argentinian jurisdictions and any other country that might require it.

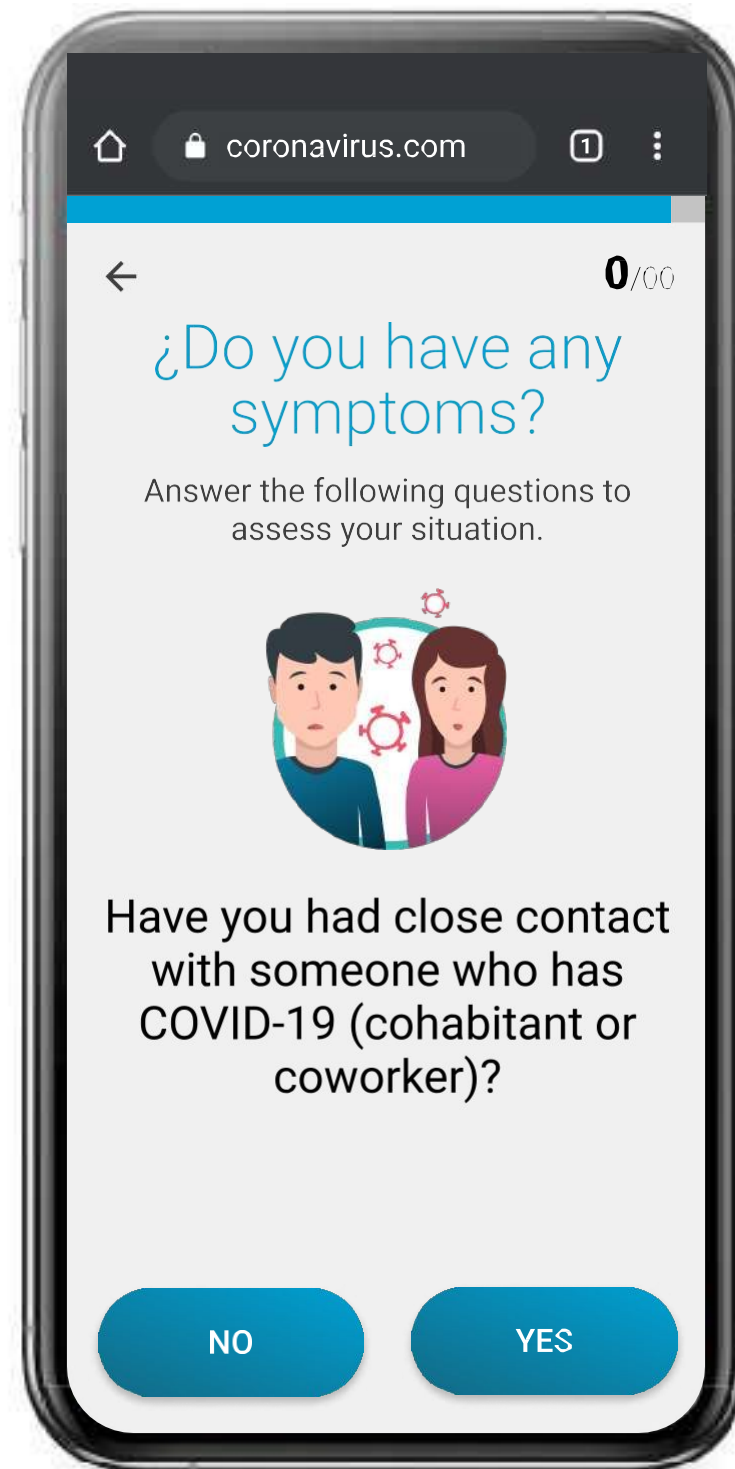


Personal information (name, age, and observations).

The requirements stated that...

The application would allow detecting, organizing and providing a follow-up for Covid-19 suspected or confirmed cases.

A friendly, intuitive, and simple design was the biggest priority as the application was expected to be used en masse hence it was oriented to the general public.



Citizens should be able to self-assess their symptoms to confirm whether they were infected or not. On the other hand, healthcare workers should be able to follow-up suspected cases and make relevant decisions regarding organization and approach.

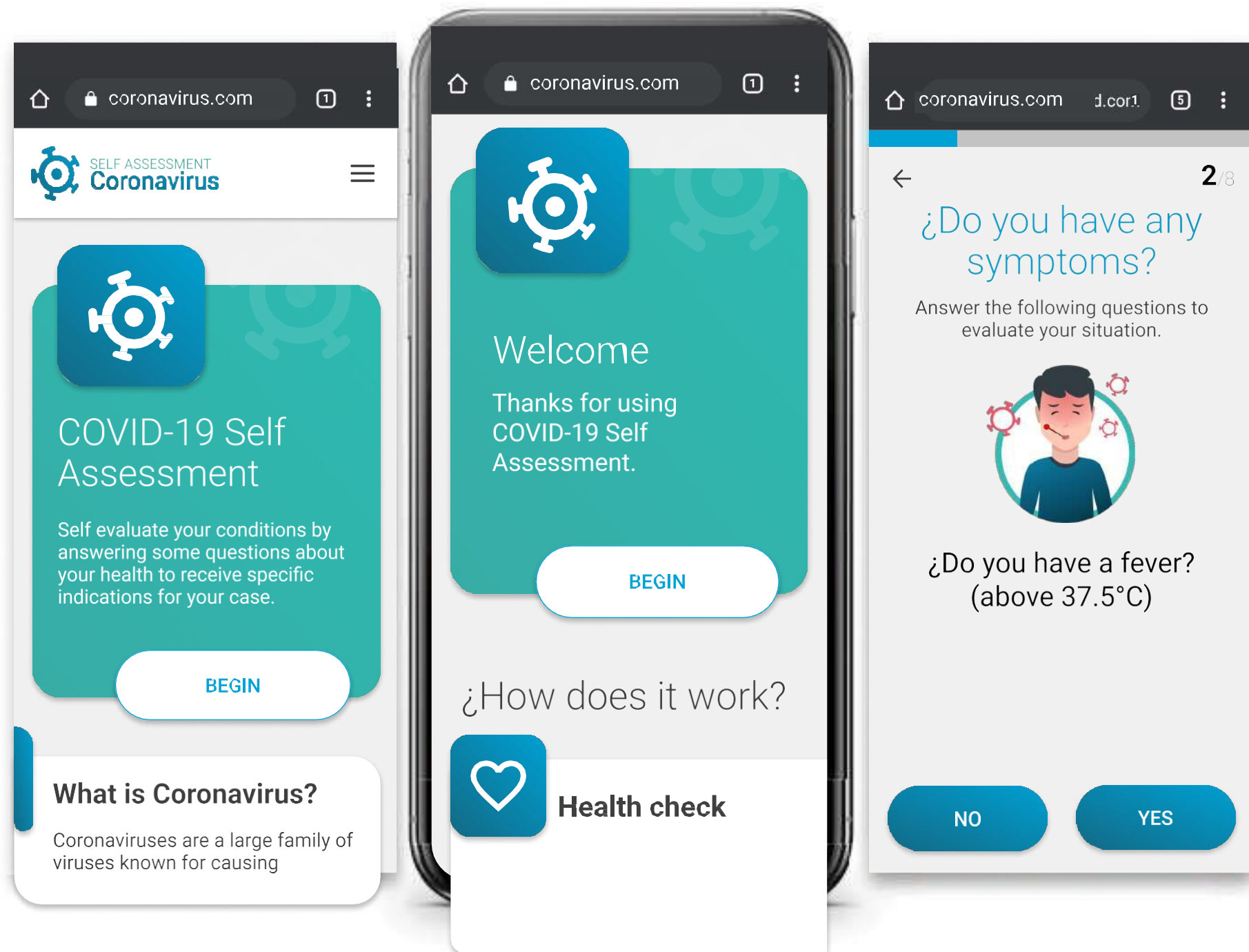
Self assessment, follow-up and management



Proposal

The UX/UI experts team designed and defined screens and system navigability using a clickable wireframe which allowed navigating the application, to later agree on functionality regarding the user roles and confirm the look and feel of the tool.

Due to this approach the cost and development time estimates were easily attained considering that given the ongoing situation the application needed to be developed in the shortest amount of time.



In order to minimize development time...

...we worked with a PWA (Progressive Web App) to make the application available for web and mobile devices simultaneously.



Since the application was expected to be released in the shortest amount of time we conducted interviews with end users at key stages in the development process to reduce time for any proposed changes.



We developed the system following all the necessary research and planning steps: Back-end, Front-end, QA.

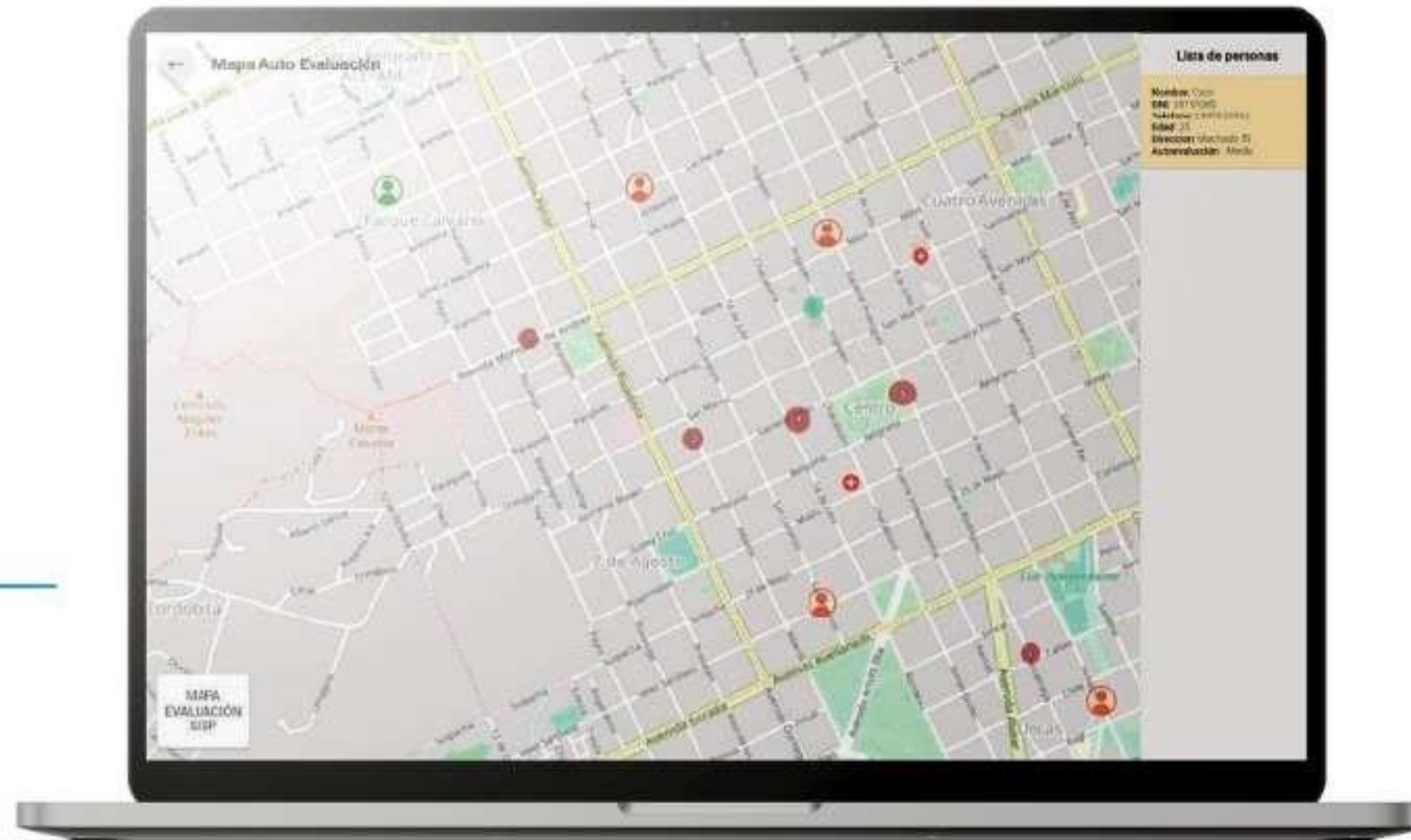


We implemented Agile methodologies for better communication with the client and ensure high customer satisfaction.



Visual boards providing real-time information regarding the pandemic's progress status, control and management were georeferenced.

Cases follow-up and their location.

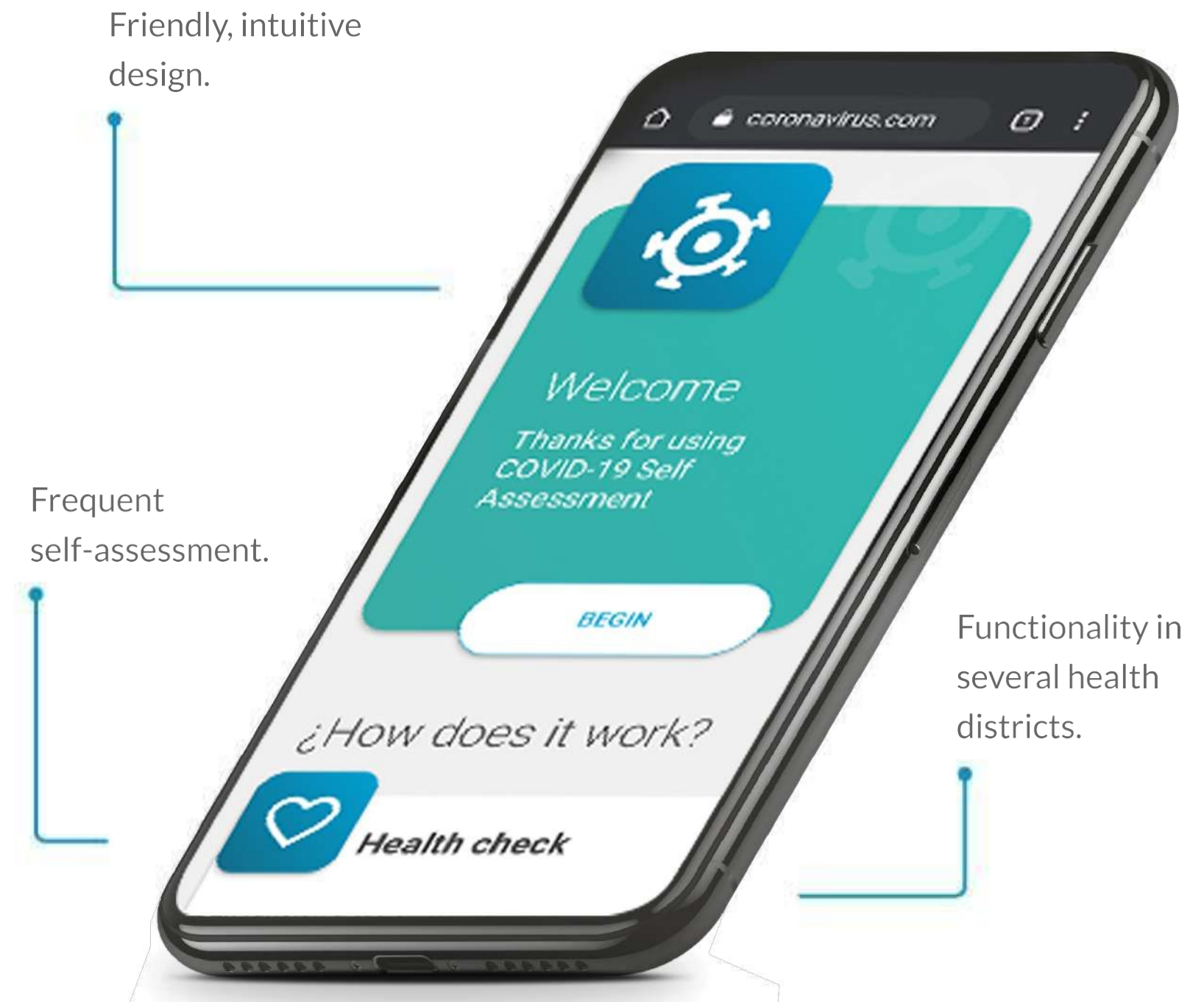


Aimed at the general public, the design is simple, friendly, and intuitive.

Georeferenced patient data for an optimal follow-up.

Results

- ◇ The solution was developed in record time and was ready to be used within a month.
- ◇ The application is currently used in different districts across Argentina including cities with diverse population densities such as Tandil, Bariloche and the Chaco province.
- ◇ Friendly, intuitive, and simple design that supports several user roles (patients, doctors, nurses, etc.).
- ◇ Enables healthcare workers to follow up on cases.
- ◇ Supports organizing and approach for Covid-19 positive cases in the decision making process.

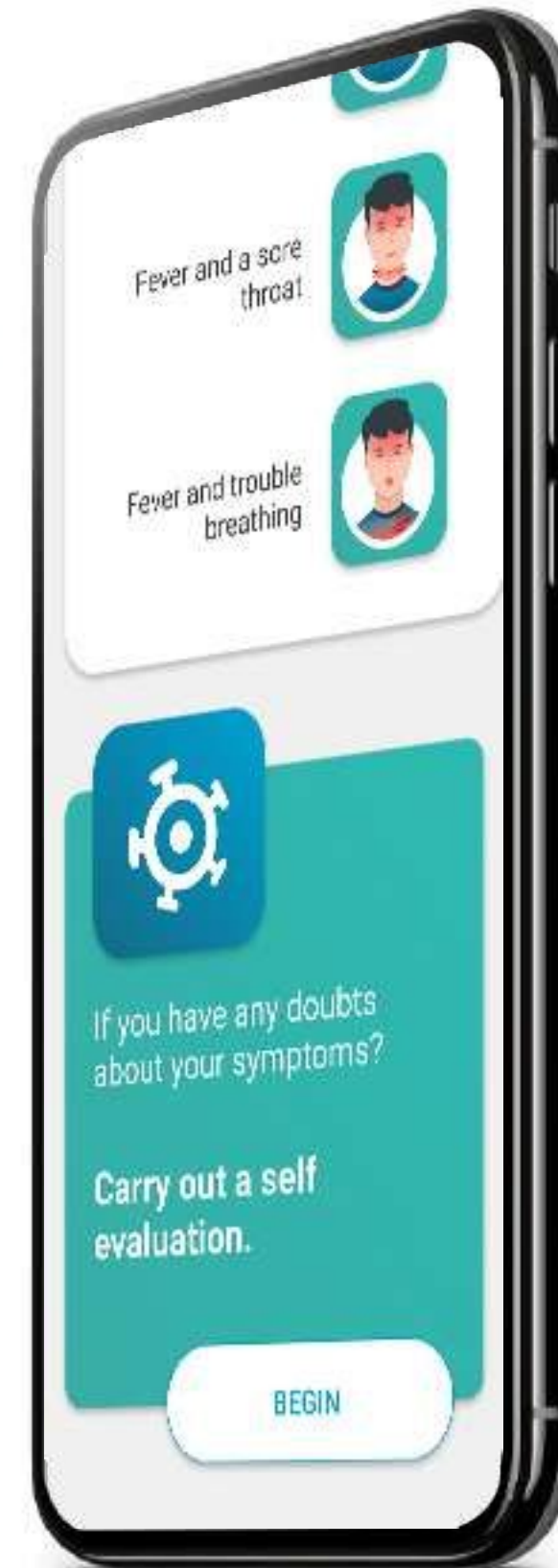


- ❖ The self assessment module allows citizens to perform self tests either through the web or the app in their smartphones.
- ❖ The app registers the location of confirmed cases so healthcare personnel can monitor evolution and eventually decide whether the patient is required to remain at home or needs to be admitted in a health institution.
- ❖ The backoffice module has a georeferenced user-friendly board that displays different real time information with color-coded statuses depending on the severity of the symptoms. This module also sends an alert when an infected patient breaks out of quarantine.
- ❖ Product validation and verification were carried out through the most advanced testing and automation techniques ensuring quality and performance.

Easy access to symptoms checklist.



Quick and easy solution at one's fingertips.



Verified product through automation testing.



