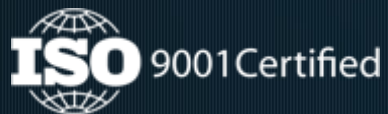




# NEXT TECH CLIENT EXPERIENCE IN E-HEALTH

Norwegian – Hungarian e-health technology forum, Oslo  
11th October 2017





# ABOUT US

Clients come to Attrecto for a reason: since 2010 we are innovators in next tech digital experiences - developing and applying new and emerging B2C and B2B mobile, web, digital technologies and apps in ingenious and powerful ways.

We use the coolest technologies to produce user-friendly and intuitive apps that are truly enjoyed by people for their look, feel, colors and functionality - not just merely "used."

# YOUR INNOVATOR IN NEXT TECH DIGITAL SOLUTIONS

We help conceive, plan, develop, and apply optimized B2C and B2B multi platform mobile, web and other digital experience technologies, including apps, and related server-side solutions.



50+ CROSS-PLATFORM DEVELOPERS



120+ TEST DEVICES OF DIFFERENT BRANDS, OS-S, AND SIZE



120+ SUCCESSFUL PROJECTS



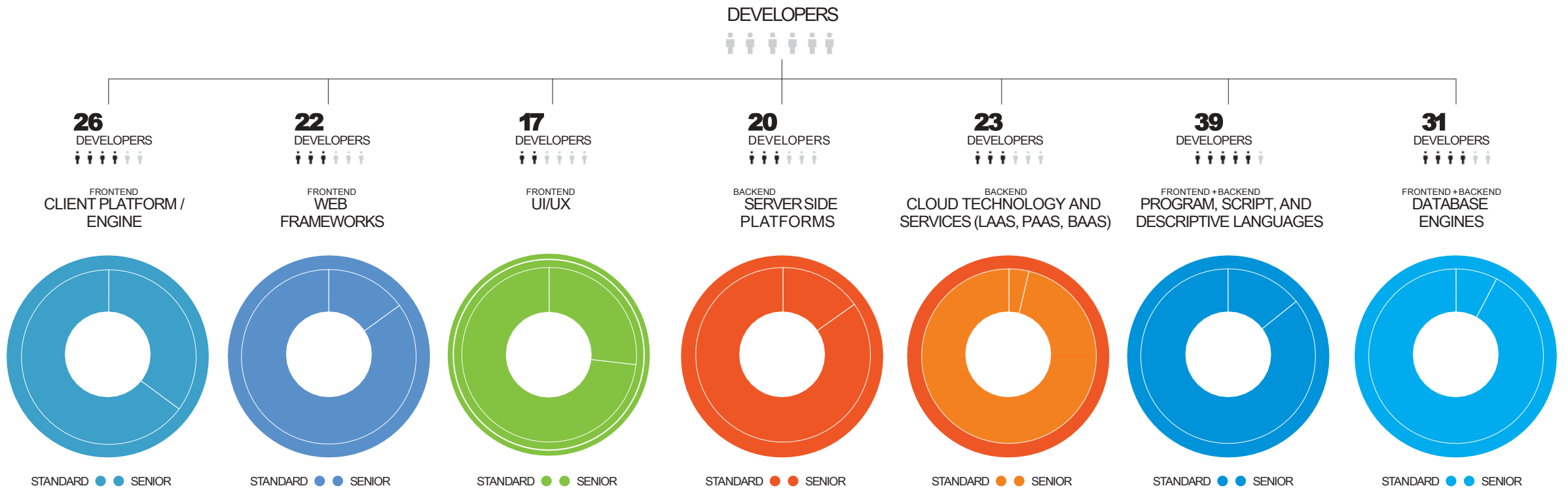
AGILE DEVELOPMENT METHODOLOGIES



COMPLEX, INDUSTRIAL LEVEL,  
END-TO-END SOLUTIONS



# IN-HOUSE DEVELOPER HEADCOUNT: 44



# THE PROCESS



DIGITAL  
DISCOVERY



CONCEPT TO  
PRODUCT CONSULTING



DEVELOPMENT  
SERVICES

Discovery

Rapid  
Prototyping

Product  
Strategy

Technology  
Consulting

Software  
Development

Support and  
maintenance



# TEAM AS A SERVICE (TaaS)

**TaaS** - Under Attrecto's Team-as-a-Service offering, clients get quick access to a cohesive team of cross-platform coders, UI/UX designers, QA professionals and support engineers with any desired skills (including a Project Manager). The team in the TaaS model is a trained squad of experienced professionals with rigorous adherence to proven software development processes. All work and working hours are logged and transparent, invoices are issued on a monthly basis.



# REFERENCES



Humana



SIEMENS



POSSIBLE



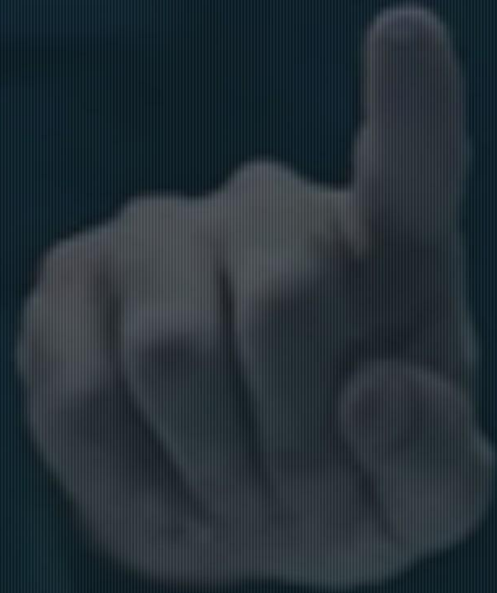
e.on





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# GOALS OF THE APPLICATION





# GOALS & MOTIVATION

- Our client: Rózsakert Medical Center (RMC), app: Smart Clinic
- Goal: Anyone could handle own and family healthcare data through a mobile device
- Convenient
- Acquiring new customers
- Getting an appointment in case of unknown problem too
- Can access and share medical records

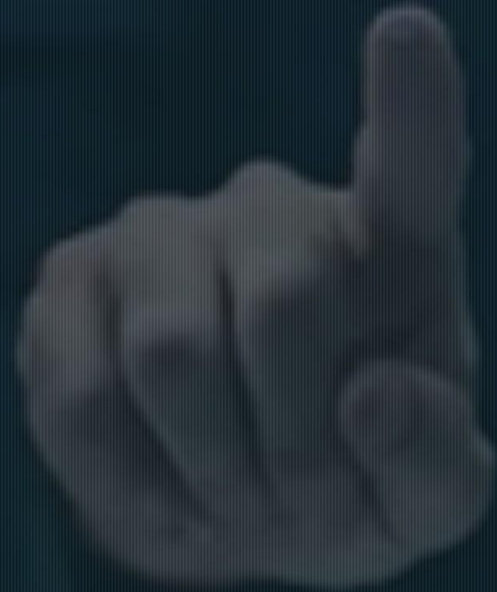
RMC | SmartClinic





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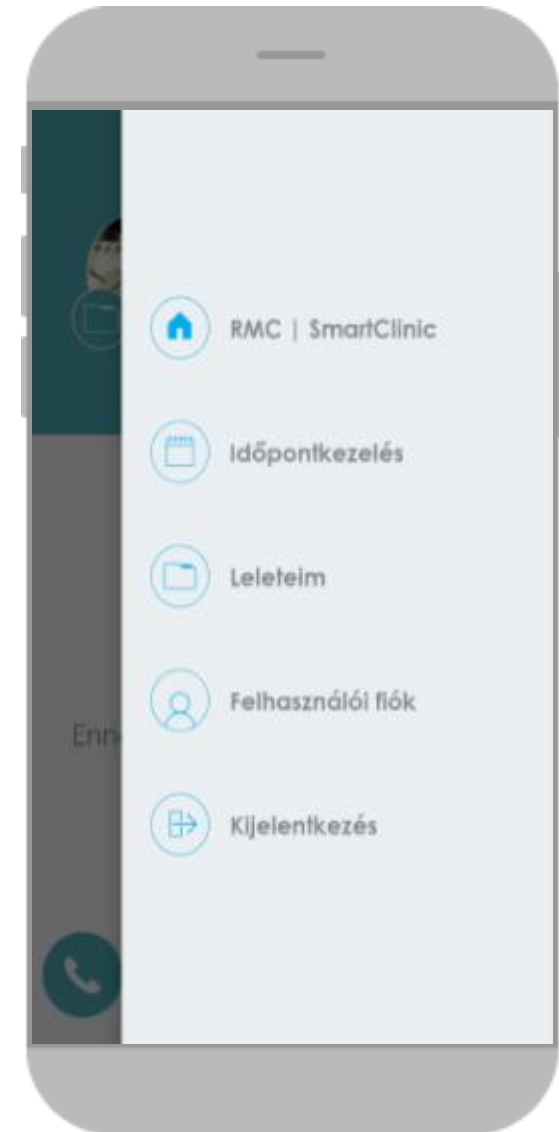
# CHALLENGES



# CHALLENGES

- Healthcare regulations in Hungary
- Legacy systems within RMC
- Own ERP (DokuMedic)
- Data protection

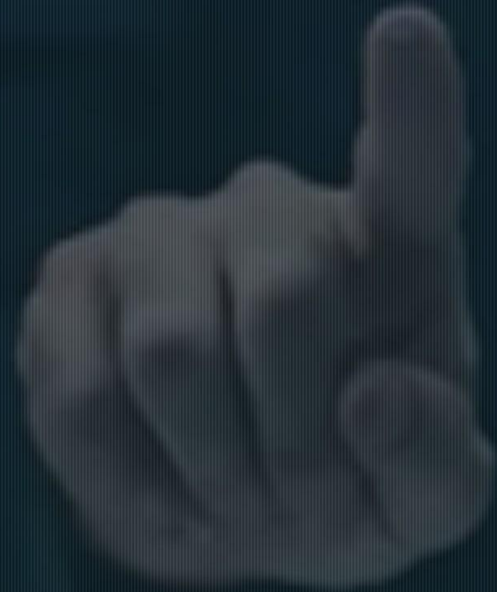
RmC | SmartClinic





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# THE SOLUTION



# THE ATTRECTO SOLUTION

## Registration

Registration requires 5 steps:

- Name
- DoB
- Place of birth
- Mother's maiden name
- Gender

## Add a patient

Patient: registered user can add a patient

- Requires the same 5 data + some additional security elements
- Permissions are editable

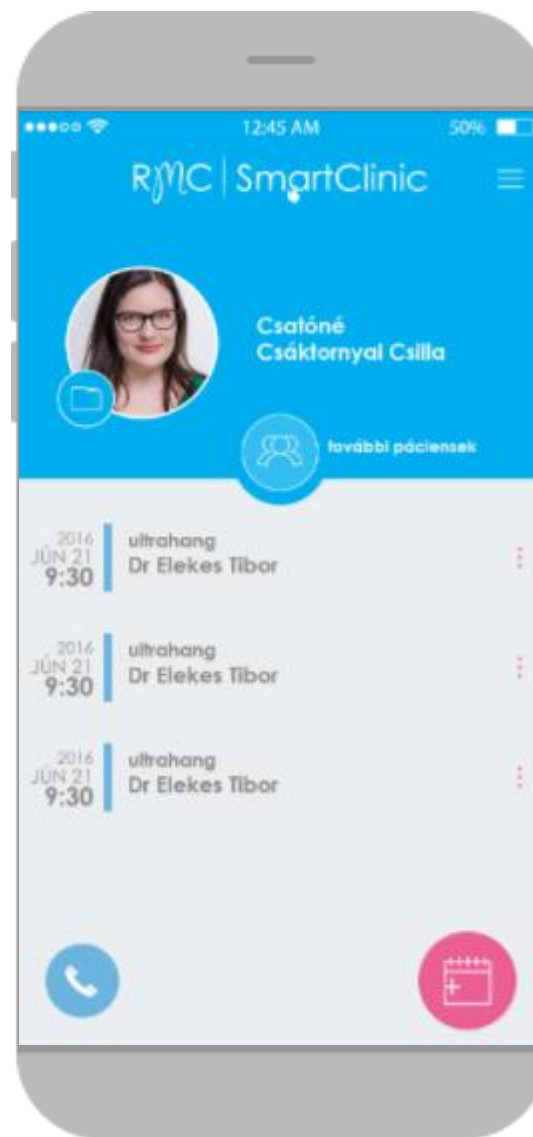
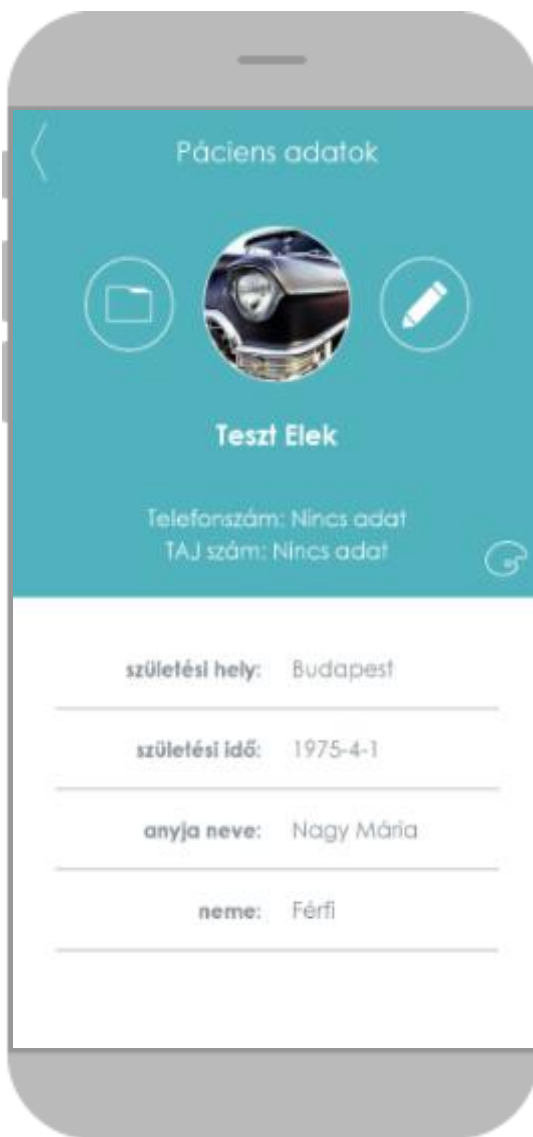
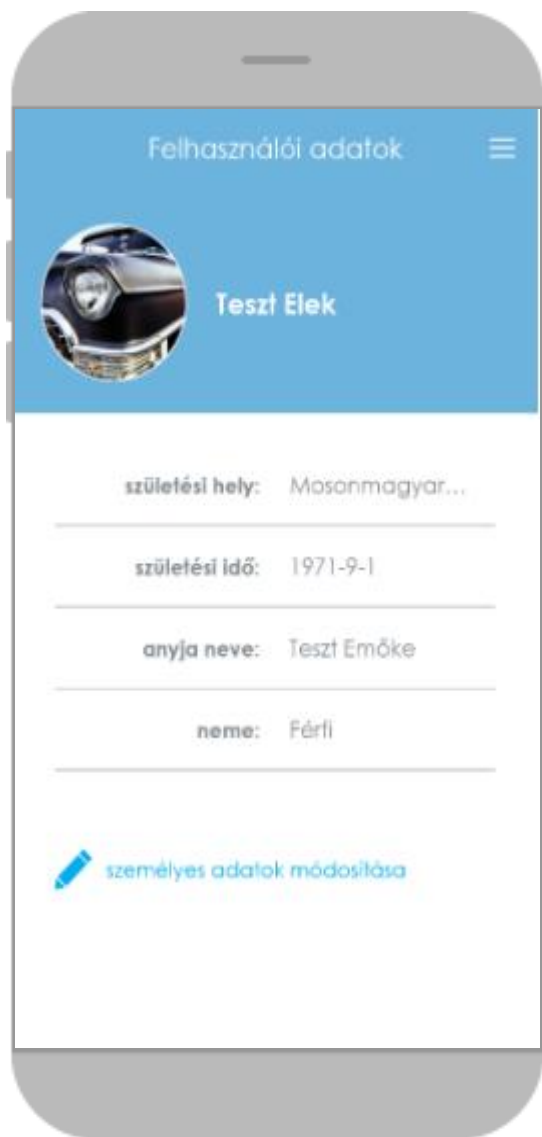
## Medical records

- 2FA needed

The image shows a mobile application interface for adding a new patient. The screen has a blue background and a white header with a back arrow and the text 'Új páciens felvétele'. Below the header is a paragraph of text in Hungarian: 'A páciens profil aktiválásához alá kell írnia rendelőnk szolgáltatási szerződését, illetve a hozzájáruló nyilatkozatot. Ha ezt még nem tette meg, kérjük, tegyen nálunk egy rövid látogatást, addig a profil passzív módban lesz.' Below this text are five input fields with labels: 'Név', 'Születési dátum', 'Születési hely', 'Anyja neve', and 'Neme'. At the bottom of the form is a blue button with the text 'TOVÁBB'.



# THE ATTRECTO SOLUTION

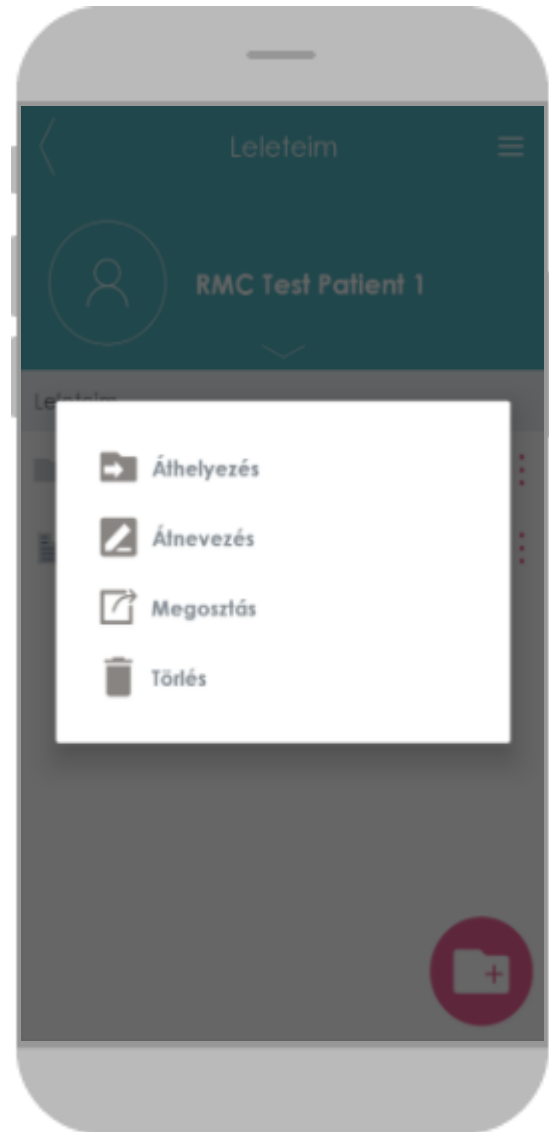
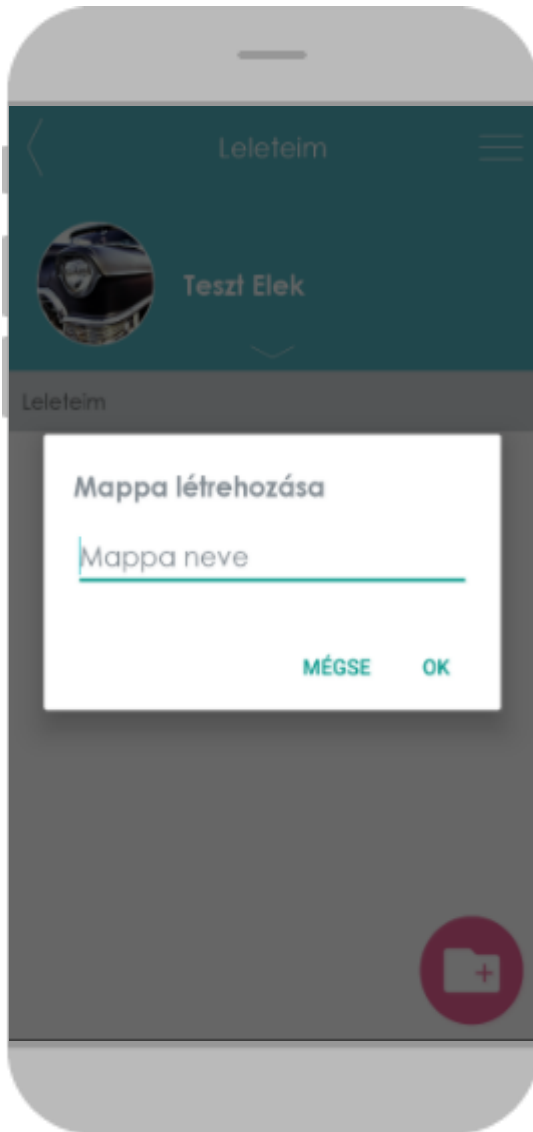
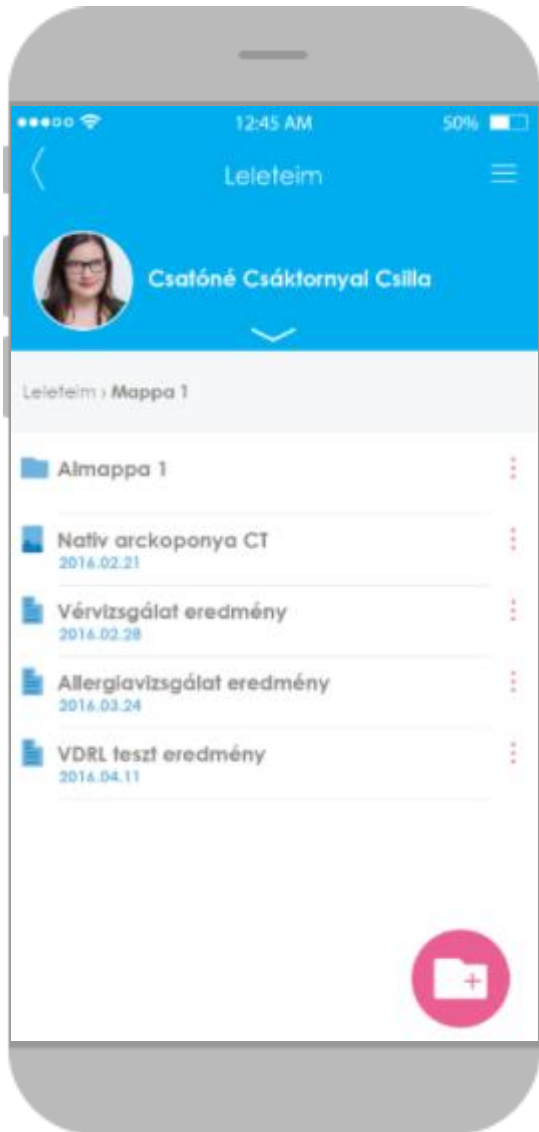


# SECURITY

- Attrecto's own security department
  - Password: 8 characters, capital and small characters, number, special character
  - No password storage
  - 30 days limit of the tokens
  - Patient data: DokuMedic
  - SMS authentication



# MEDICAL RECORDS

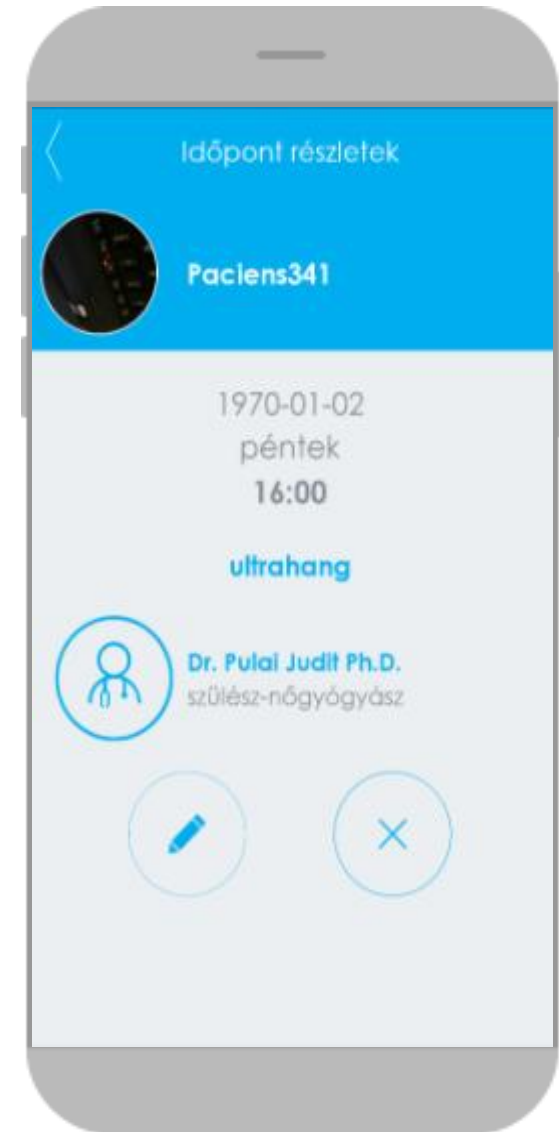




# TECH STACK

- Backend and frontend development by Attrecto
  - Backend: PHP Laravel
  - Frontend: native iOS and Android (Swift and JS)
- 3rd party integrations:
  - SMS
  - Build and test environment
  - Jira (Project Management)

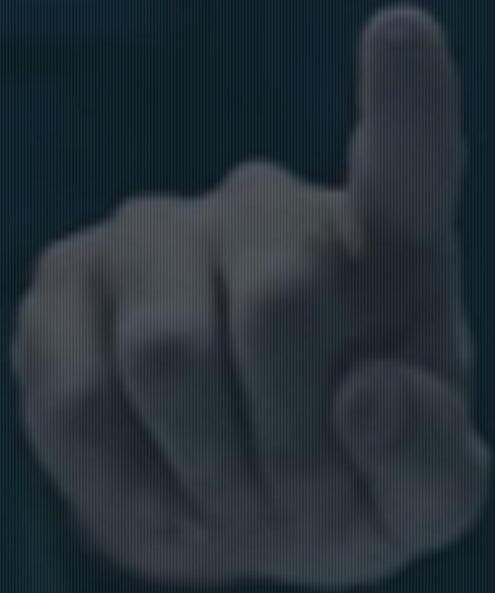
RmC | SmartClinic





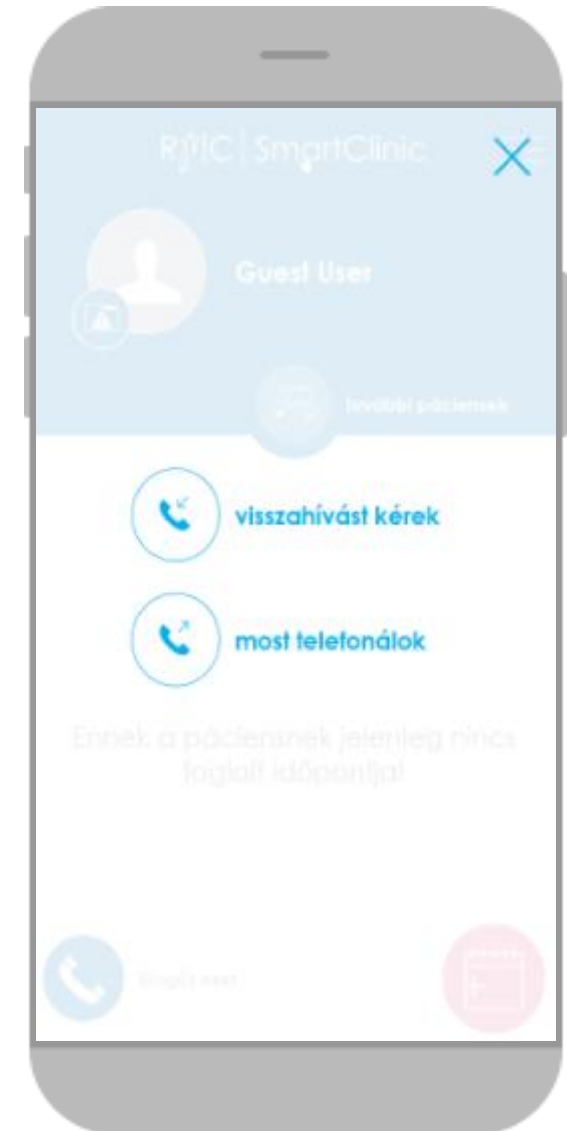
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NEXT TECH DIGITAL SOLUTIONS

# FUTURE PLANS



# THE FUTURE

- Book medical appointments for a group
- Request a prescription
- Group booking
- Calendar sync
- Recommendation
- On-line consultation
- Chatbot
- NFC check-in
- Google analytics





**THANK YOU FOR YOUR ATTENTION!**

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