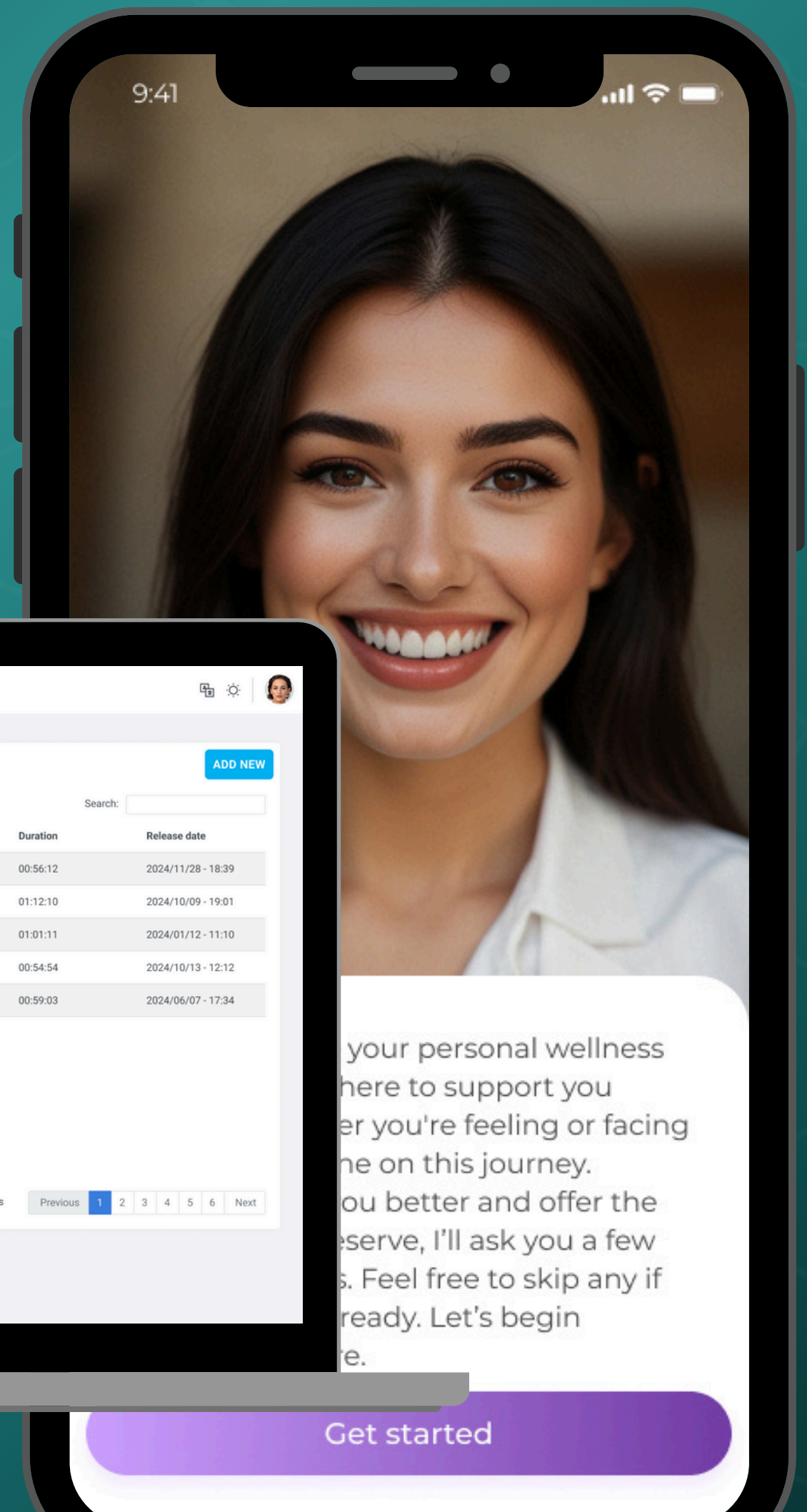
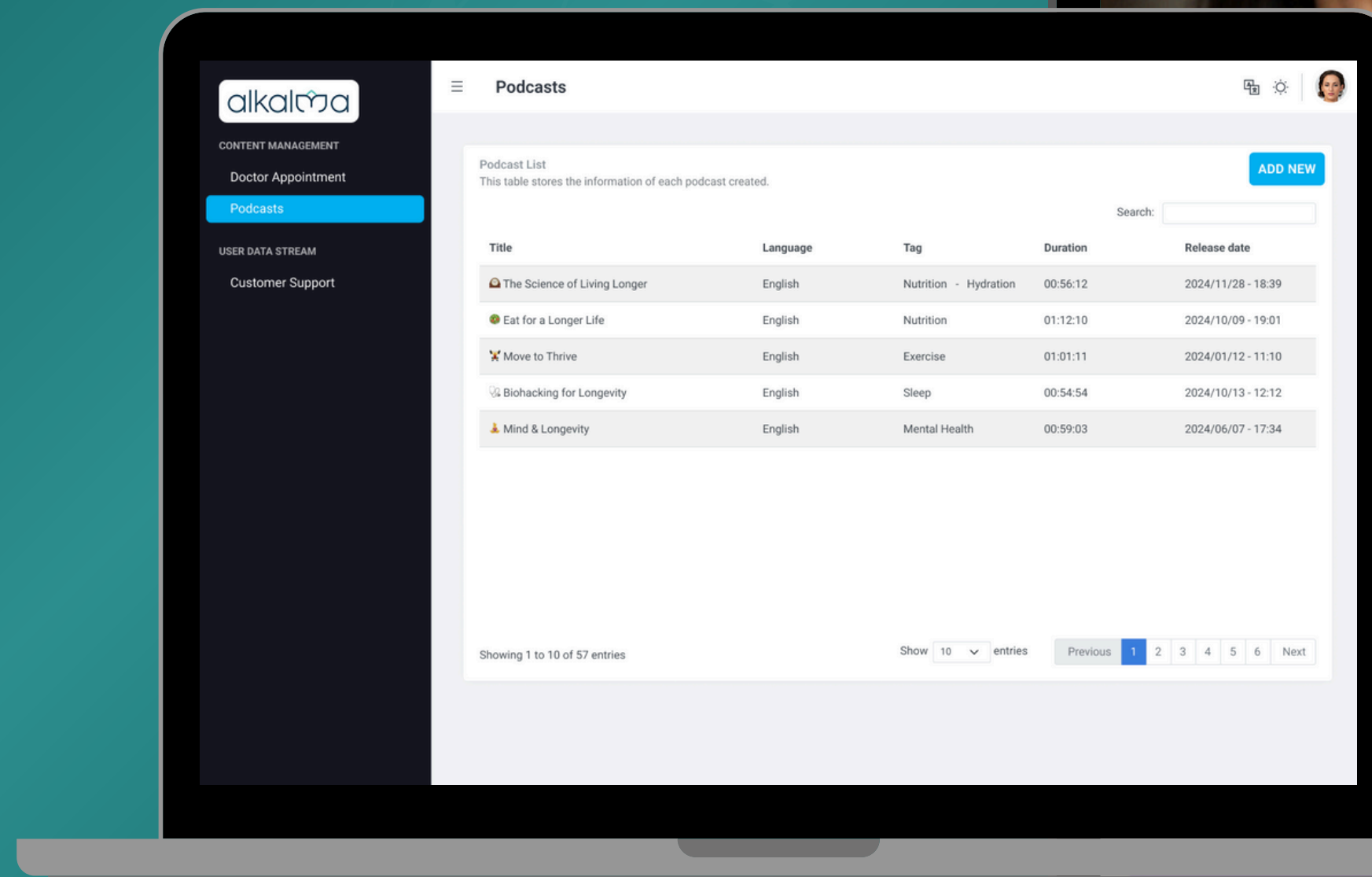


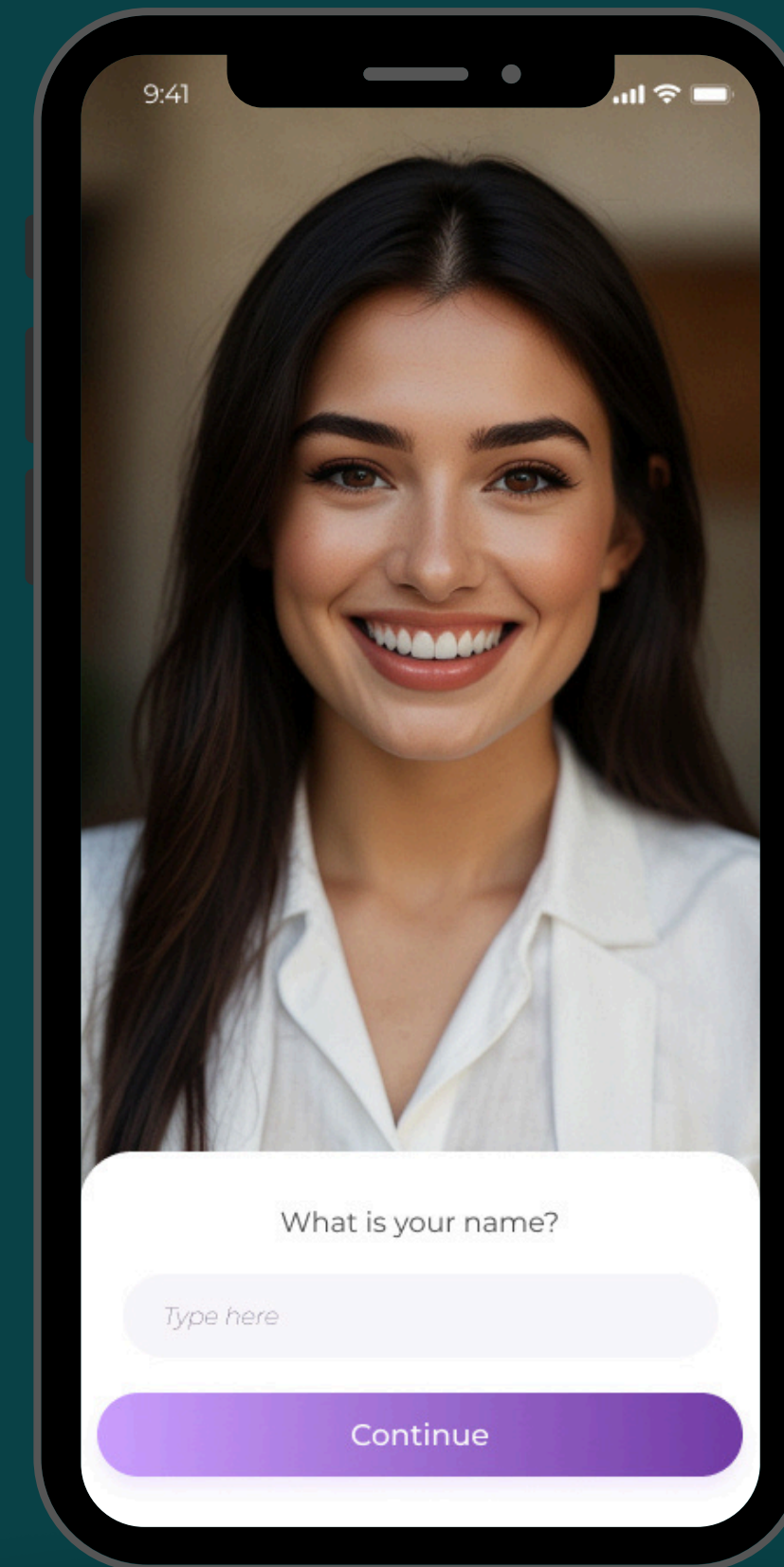
# alkalma

## PROJECT: ALKALMA – AI MENTAL WELLNESS APP



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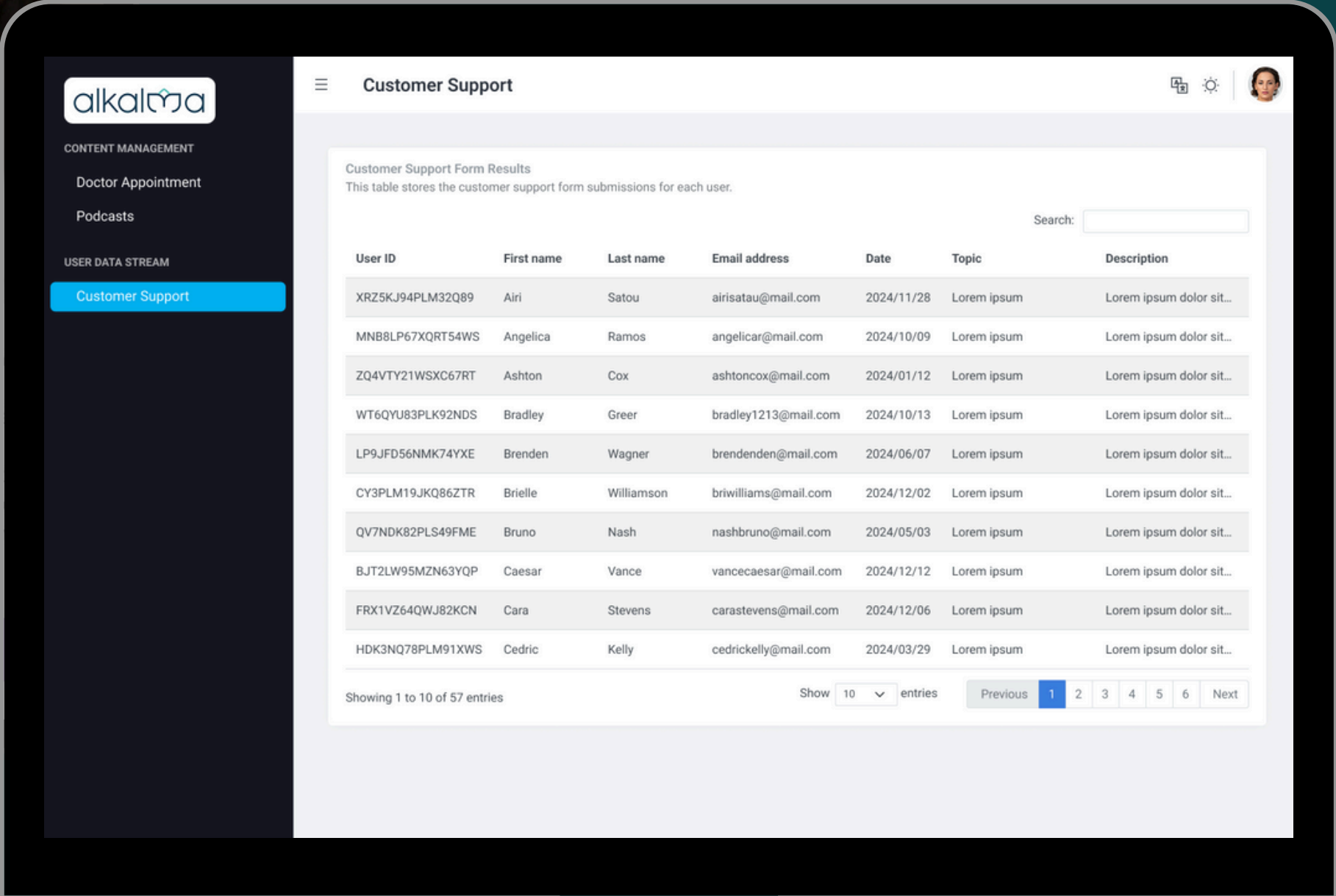
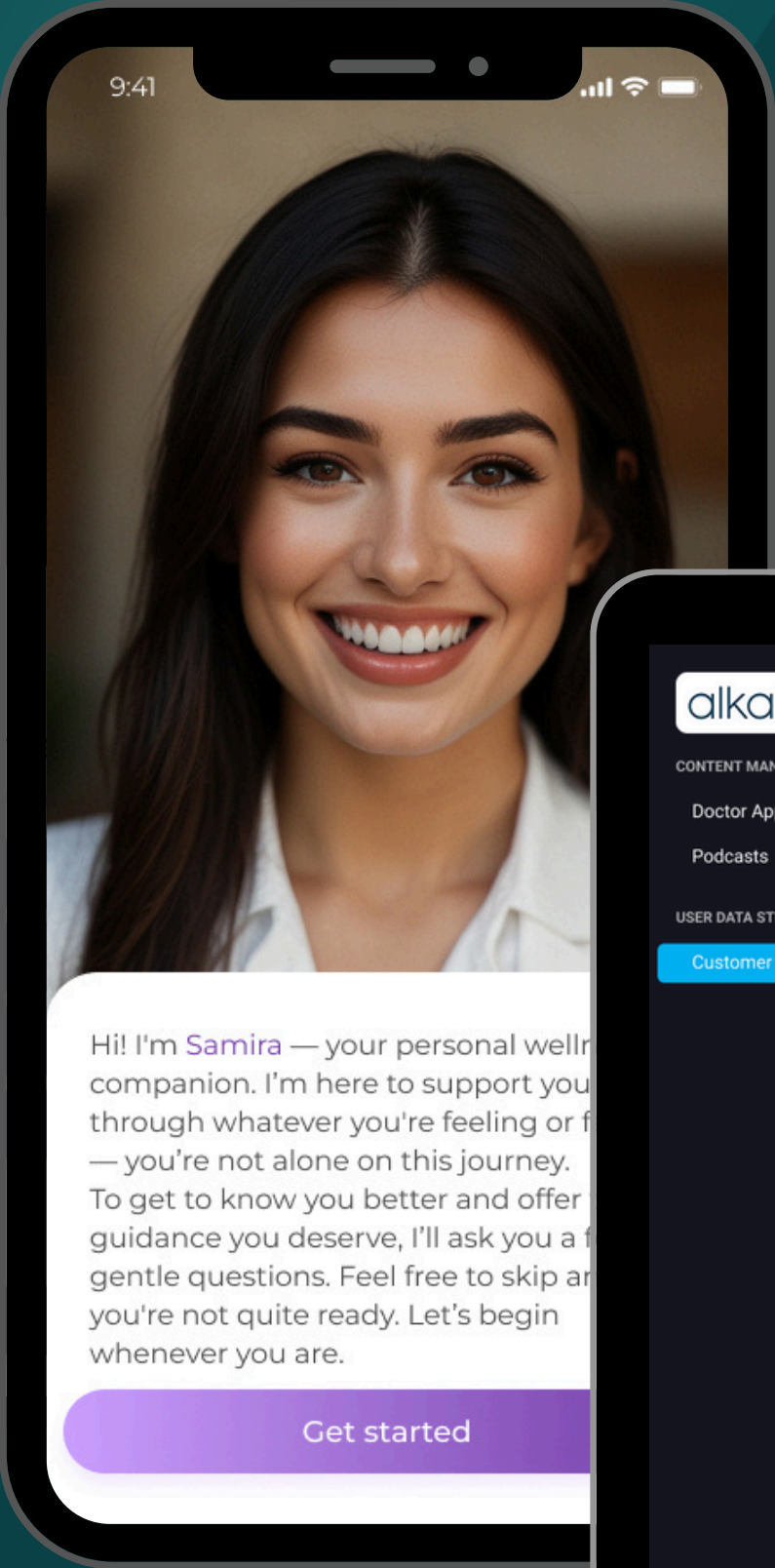
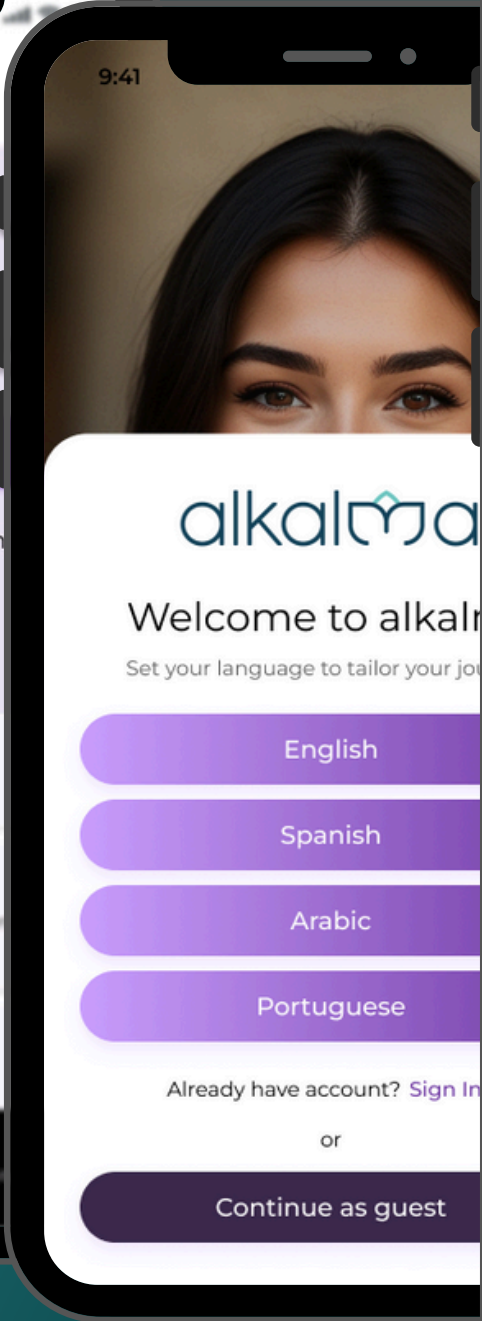
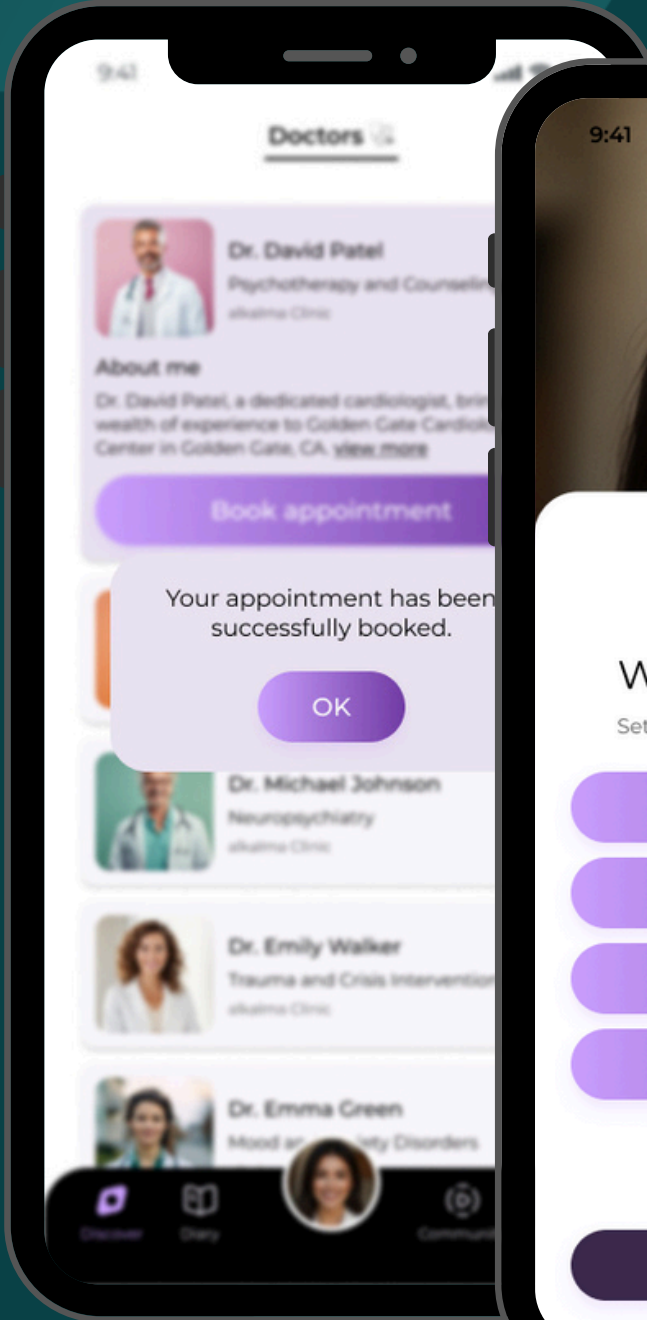
Alkalma – AI Mental Wellness App is a transformative solution addressing the global mental health gap by offering deeply personalized, emotionally intelligent support through AI. Unlike traditional tools that feel generic and disconnected, Alkalma creates meaningful, real-time conversations with users, remembering their context, language, and emotional history. It breaks down barriers of geography, culture, stigma, and cost—making mental wellness care accessible to anyone, anywhere. By combining empathy, multilingual communication, and intelligent memory, Alkalma empowers individuals to seek help early, feel heard, and receive continuous support tailored to their unique journey.



# PROJECT SPECIFICATIONS:

- Platforms
  - Minimum OS
  - Development Stack
  - AI Technologies
  - Speech Services
  - Languages Supported
  - Agent System
  - Media & Content
  - Integration
- Android & iOS (Smartphones & Tablets), Web, Kiosk
  - iOS 14+, Android 10+
  - Flutter (Frontend), Django (Backend), Google Cloud
  - Gemini 2.5 Pro, Infinite Memory Layer (Vitana Quadrant DB)
  - Google STT/TTS, Emotionally Adaptive TTS (VAPI Calls)
  - English, Spanish, Portuguese, Arabic
  - Modular AI agents (Triage Agent, Therapy Coach, Escalation Agent)
  - Mood-based Videos, Podcasts, Animations
  - Google Cloud Infrastructure, Firebase, FHIR/EHR-ready (future), REST APIs





# WHAT WAS THE PROBLEM?

Access to personalized, empathetic mental health support remains severely limited due to factors including stigma, lack of emotional connection, geographical constraints, and financial barriers. Traditional solutions are often generic, impersonal, and unable to provide real-time emotional engagement or continuous personalized care. Users in distress frequently feel isolated, unsupported, and uncertain about how to seek help during early symptoms.

Alkalma addresses this by providing a scalable, multilingual AI companion ("Samira") offering continuous mental wellness support through emotionally intelligent, context-aware interactions. It integrates:

- Empathetic, real-time multilingual interaction.
- Contextually relevant lifestyle suggestions.
- Seamless therapist discovery and booking.
- Secure diary and community-driven support features.



# WHAT WE ACHIEVED:

- Emotionally Intelligent AI Companion ("Samira"):

Created an emotionally responsive, multilingual AI avatar powered by Gemini 2.5 Pro and Infinite Memory layer, delivering context-aware conversations based on user emotions, preferences, and historical interactions.

- Seamless Multilingual Onboarding:

Implemented an intuitive onboarding experience supporting English, Spanish, Portuguese, and Arabic, enabling culturally appropriate user engagement from first interaction.

- Modular Agent Framework:

Delivered specialized AI agents:

1. Triage Agent: Immediate emotional support and content suggestions.
2. Therapy Coach: Personalized wellness recommendations and diary-driven guidance.
3. Escalation Agent: Real-time risk detection and proactive escalation to professionals.

- Secure & Scalable Infrastructure:

Deployed a fully secure, cloud-first backend using Google Cloud Platform (GCP) featuring PostgreSQL, encryption via KMS, private IP access, and audit logging for robust compliance (GDPR ready).

- Interactive Community & Diary:

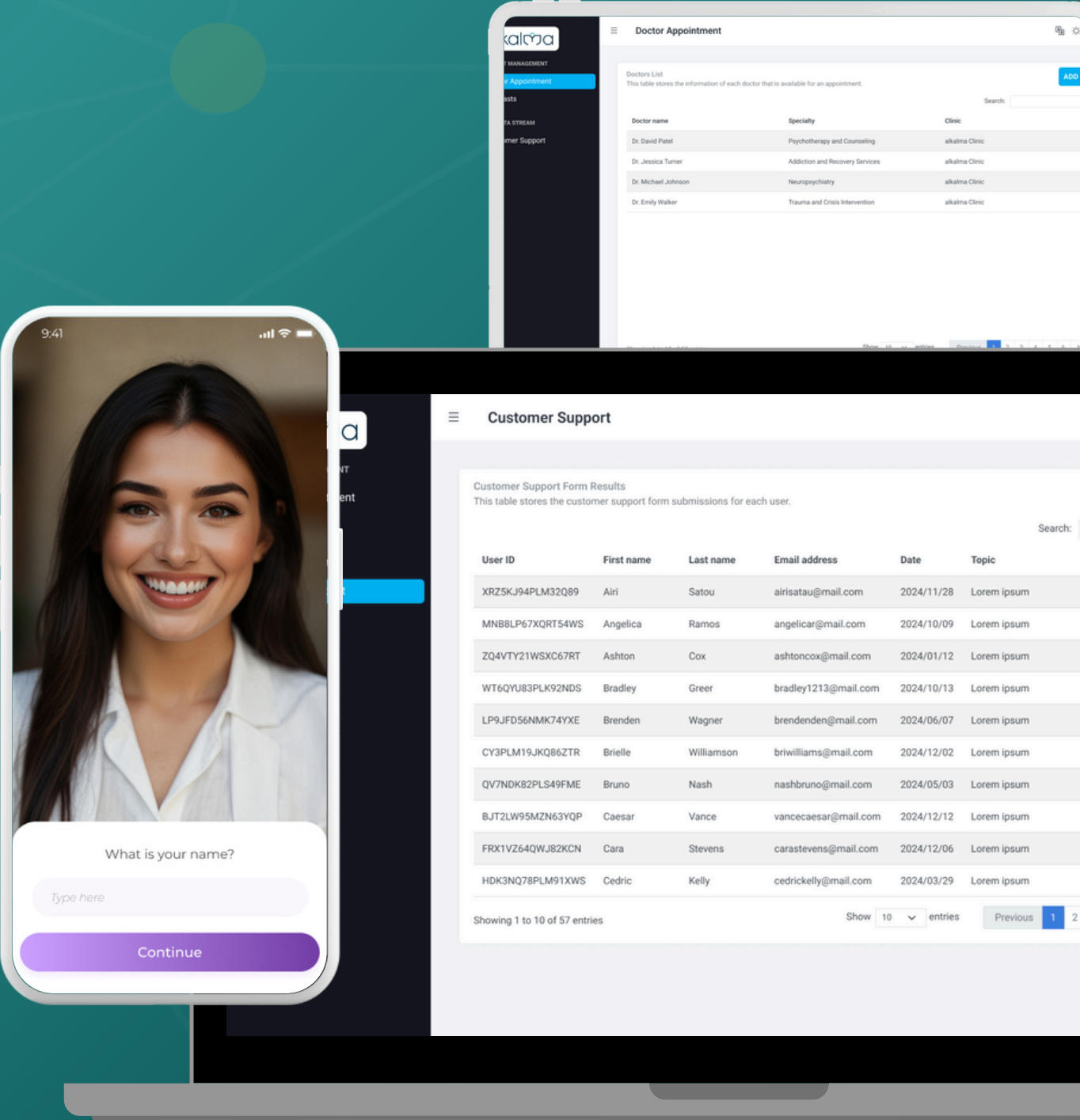
Built secure community spaces and personalized diaries enabling users to track mental wellness journeys, sessions, and AI conversations, boosting ongoing engagement and support.

- Clinic-Friendly Admin Panel:

Provided clinics a role-based admin panel to securely manage appointments, AI logs, therapist profiles, and community content, improving administrative efficiency and user experience.

# END RESULTS

- Improved Early Intervention:  
Significant increase in proactive wellness support, helping users manage early-stage distress effectively through empathetic, personalized AI interaction.
- Higher User Retention & Satisfaction:  
Achieved strong user retention and consistent engagement through memory-aware interactions, tailored emotional responses, and community-driven motivation.
- Robust Multilingual Performance:  
Increased accessibility for diverse populations by delivering seamless and culturally aligned mental health support across multiple languages.
- Seamless Therapist Integration:  
Enhanced user convenience and trust with simplified therapist booking, automated reminders, and diary logging, bridging digital interactions with professional care.
- Secure & Compliant Operations:  
Delivered industry-leading data security and compliance standards, fostering user trust and readiness for clinical integration.



Doctors List		
This table stores the information of each doctor that is available for an appointment.		
Doctor name	Specialty	Clinic
Dr. David Patel	Psychotherapy and Counseling	akalma Clinic
Dr. Jessica Turner	Addiction and Recovery Services	akalma Clinic
Dr. Michael Johnson	Neuropsychiatry	akalma Clinic
Dr. Emily Walker	Trauma and Crisis Intervention	akalma Clinic

Customer Support Form Results					
This table stores the customer support form submissions for each user.					
User ID	First name	Last name	Email address	Date	Topic
XRZ5KJ94PLM32Q89	Airi	Satou	airisatou@mail.com	2024/11/28	Lorem ipsum
MNB8LP67XQRT54WS	Angelica	Ramos	angelicar@mail.com	2024/10/09	Lorem ipsum
ZQ4VTY21WSXC67RT	Ashton	Cox	ashtoncox@mail.com	2024/01/12	Lorem ipsum
WT6QYU83PLK92NDS	Bradley	Greer	bradley1213@mail.com	2024/10/13	Lorem ipsum
LP9JFD56NMK74YXE	Brenden	Wagner	brendenden@mail.com	2024/06/07	Lorem ipsum
CY3PLM19JKQ86ZTR	Brielle	Williamson	brwilliams@mail.com	2024/12/02	Lorem ipsum
QV7NDK82PLS49FME	Bruno	Nash	nashbruno@mail.com	2024/05/03	Lorem ipsum
BJT2LW95MZN63YQP	Caesar	Vance	vancecaesar@mail.com	2024/12/12	Lorem ipsum
FRX1VZ64QWJ82KCN	Cara	Stevens	carastevens@mail.com	2024/12/06	Lorem ipsum
HDK3NQ78PLM91XWS	Cedric	Kelly	cedrickelly@mail.com	2024/03/29	Lorem ipsum



# HOW IS IT BENEFICIAL IN THE MARKET?

- **Emotional Intelligence & Personalization:**  
Alkalma sets a new standard in telemedicine and wellness tech by integrating emotional intelligence, multilingual support, and memory-based contextual interactions.
- **Enhanced Accessibility:**  
Removes geographical, cultural, and financial barriers by providing accessible, personalized mental health care globally.
- **Market Differentiation:**  
Offers a unique blend of empathetic AI interactions, professional therapist booking, and continuous community support, filling gaps traditional wellness apps cannot.
- **Proactive Mental Health Management:**  
Encourages early intervention through intuitive AI engagement, significantly reducing stigma and promoting proactive mental wellness.
- **Scalable Global Infrastructure:**  
Built on modular, cloud-first architecture designed to scale across hospitals, community wellness hubs, multilingual markets, and future clinical (FHIR/EHR) integrations.

