MOBILE MARKETPLACE APP FOR LIFESTYLE SERVICES
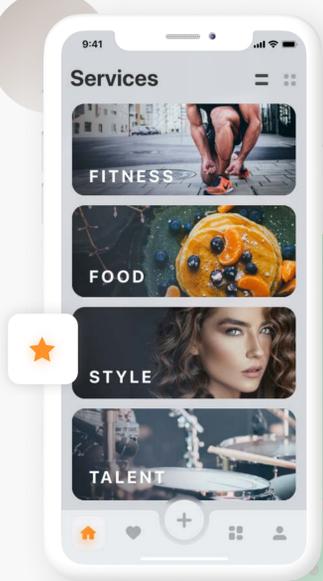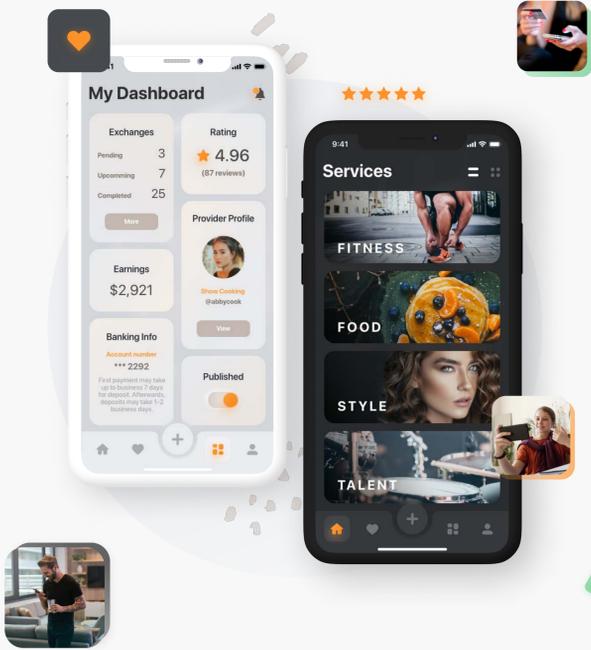
Advanced booking services with video call, chat, and payment system

Business Domain	Project type	Technologies
Business Automation Solutions	**Mobile Application**	**Flutter**

BUSINESS OVERVIEW

Our client provides booking services for different lifestyle industries. They have a large web platform where users can book and offer their lifestyles services such as fitness, style, food, and talent. They wanted to enhance service quality and attract new users by creating a mobile version of the platform for iOS and Android.

Through the app, users will be able to interview service providers using video call or chat, and pay for services through a secured payment system.

CHALLENGE

High performance of native modules in cross-platform app

Providing proper operation native modules such as maps and cameras with a backend, considering that it's a weakness of cross-platform development

Developing a feature that allows users to contact the service providers via video call with smooth, high-quality streaming without freezing even on low-end devices

Implementing a stripe payment system to protect customers and service providers from fraud attempts

SOLUTION

Use of Flutter for timely and cost-efficient development

Our business analysts researched the client's business goals and determined the most efficient implementation methods. We advised them to reconsider the idea of creating two separate native applications and recommended developing apps using Flutter. Given their needs, this solution was much more timely and cost-efficient.

We implemented the following features:

- High-performance video call
- Chat for users preferring a traditional way of communicating
- Payment transparency through using credit card information or through in-app purchases
- Filter services by type, location, price, provider's rate, and others

Dealing with typical cross-platform issues relevant to the use of native modules:

Use of **Flutter Back geolocation** library for setting interaction between the app and maps functions

All solved issues relevant to the use of cameras and photo functions in cross-platform development — **NIX engineers wrote a custom library** that can be adapted for any cross-platform apps.

OUTCOME

Efficient and secure mobile platform

As a result, our client has an advanced mobile platform that allows customers to efficiently and securely schedule, contact, pay, and have a video chat with potential providers directly through the application. Service providers, in turn, have identical client book flows with reviews, rates, and photos.

Tech Stack

Flutter, Android Studio, Dart SDK, Flutter plugin, Architecture BLoC, Libraries: Provider, RxDart, Dioc, intl, Chopper

Team

Project Manager, Business Analyst, QA Engineer, 3 Flutter Developers