



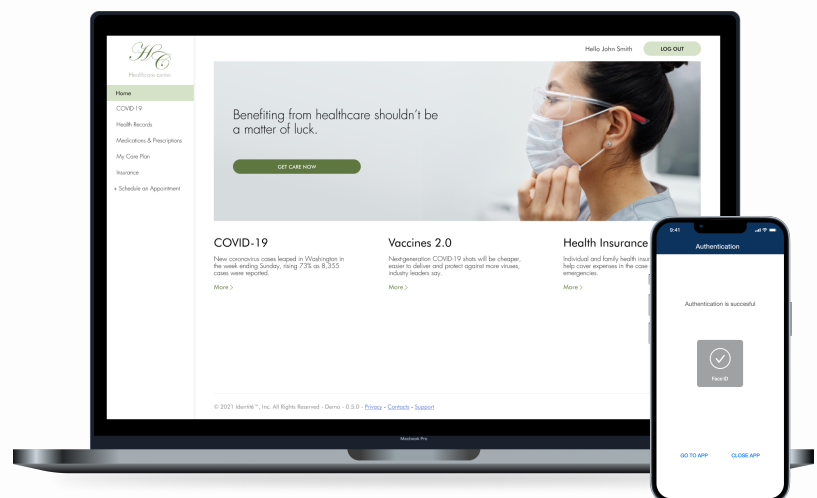
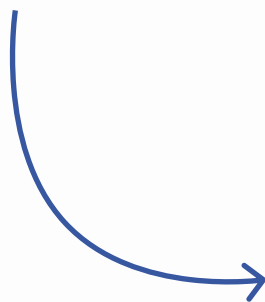
# PASSWORDLESS MFA SYSTEM: PROOF OF CONCEPT

Datasheet



# Project objective

Implement the concept of a passwordless authentication solution in the most secure way.  
Create the easiest and most secure passwordless authentication and registration tool suitable for versatile use. Prove the business value of the perspective solution.



# Result

The delivered Proof of Concept introduced the method of passwordless Multi-Factor Authentication by login, secure token (one-time password), and biometrics. The new authentication standard called Full-Duplex Authentication® has been introduced and patented. The method utilize one-time password, and allows for verification of all sides of the interaction. The invented method of passwordless authentication eliminates man-in-the-middle, spoofing, and phishing attacks.

The delivered concept included 3 separate products to be developed: Consumer – for marketplaces to authenticate consumers; Employee MFA – for companies' workers' authentication; Employee SSO (Single-Sign-On) – for authentication in various systems within one portal, and SDK – for building the tool into the existing mobile applications.

## Scope of work

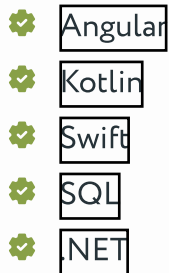
- ❖ Find a simple security measure for validate the user without a password;
- ❖ Develop a concept of a password-less Full-Duplex Authentication® and design the architecture of the future solution;
- ❖ Market research to identify niches to propose the solution;
- ❖ Create the demo portal and connect it to the authentication server;

## Activities

- ❖ Functional requirements definition
- ❖ Researching modern authentication standards
- ❖ API documentation
- ❖ Deployment guide creation
- ❖ SDK architecture documentation
- ❖ StoryBoard creation
- ❖ POC delivery

# About the project

## Technologies



## Project size

- ❖ 1 Technical Coordinator
- ❖ 1 Project Manager
- ❖ 1 Business Analyst
- ❖ 1 Software Architect
- ❖ 3 Software Engineers
- ❖ 1 QA Engineer
- ❖ 1 Marketing Specialist
- ❖ 1 Graphic Designer
- ❖ 1 Technical Assistant

## Duration



7 months  
From August 2018 – January  
2019

## Platforms

- ❖ iOS
- ❖ Android
- ❖ Linux
- ❖ Windows
- ❖ macOS