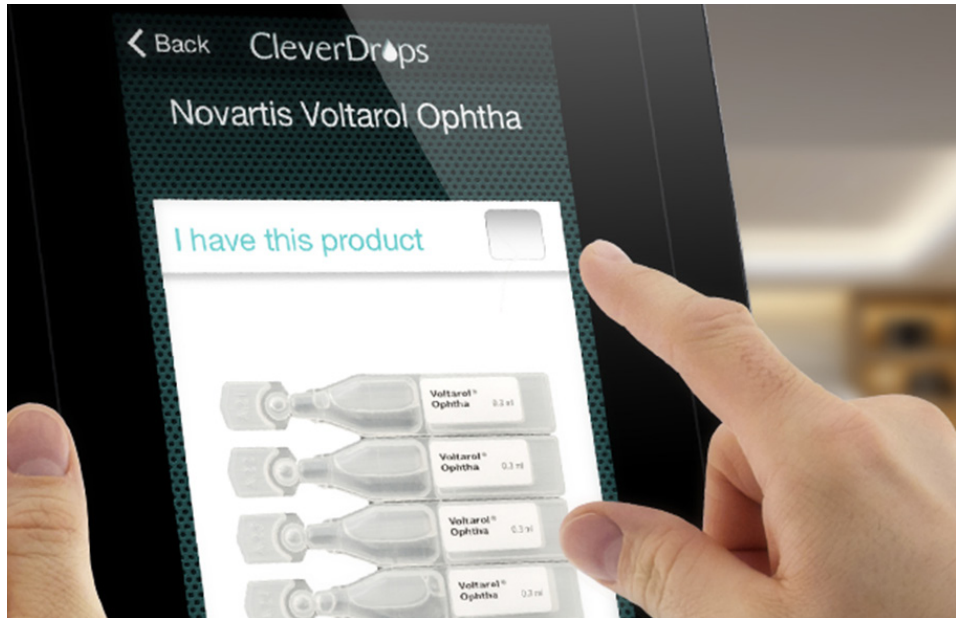




GALVANIZE
DIGITALSOLUTIONS

CLEVERDROPS





CLEVERDROPS



The Client

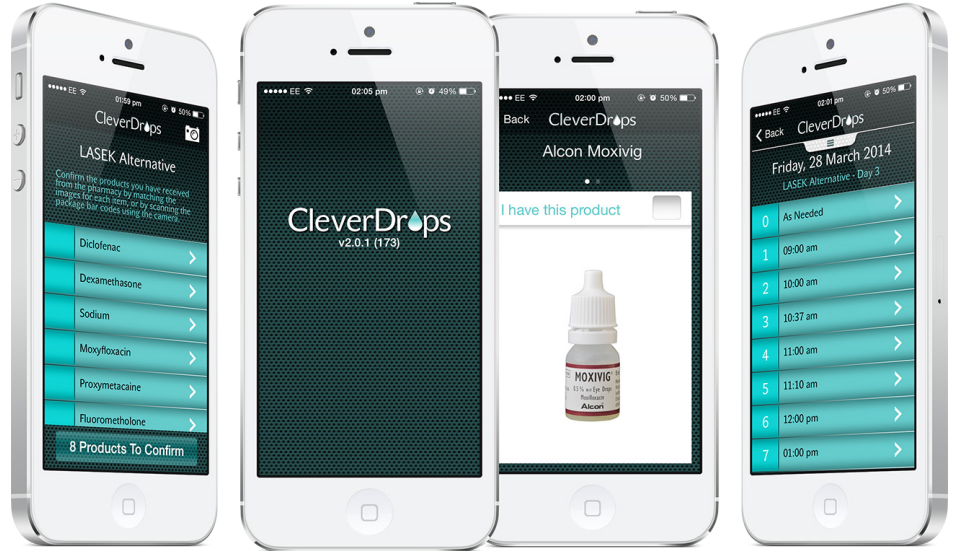
CleverDrops is a system that includes a free mobile application and a backend server administration system. The system is designed to help patients following eye surgery in managing their medications. The mobile application contains a set of preprogrammed regimes and can download additional ones, which remind a user which medicines they should take, and when to take them.

Problem/Opportunity

Mr Julian Stevens, a Consultant Ophthalmic Surgeon at Moorfields Eye Hospital in London, identified a need for a mobile application to help post op patients manage their medications. The application would help prevent users missing a prescribed drug schedule by reminding the user to take a prescribed medicine at the correct time. Mr. Stevens initially wished to target the mobile application to the widest audience so chose to release a version on the iOS platform. The first version of this application had a specific set of prescribed regimes stored locally within the application. The second version of the application involved the creation of a backend server administration system to allow Mr. Stevens to design additional prescribed regimes online, and the mobile application was updated to download online regimes. Additionally the mobile application would also now be available on the Android platform.

The Solution

Working closely with Mr Stevens, Galvanize approached the challenge by designing a simple and intuitive mobile user experience that presented as easy a way as possible for patients to be notified of scheduled medicines, and to customize the schedule to their own requirements. The mobile applications were developed in an Agile approach using the latest iOS and Android SDKs. The backend administration server was implemented as a .NET MVC web application with a Sencha Touch User interface and hosted in the Amazon cloud. Amazons cloud based infrastructure provides a robust, resilient and scale able solution. The web service interface between mobile application and server was defined and implemented using an efficient JSON data structure.



SERVICES



DIGITAL STRATEGY



BRAND & CREATIVE



BUILD & INTEGRATE



IMPLEMENT & MANAGE

TECHNOLOGY



Sencha

iOS7

