

TELETHERAPY



Location

USA

Partnership period

October 2016 - February 2018

Industry

Healthcare/Telemedicine

Team size

Two people

WHAT IS TELETHERAPY?

It is a telemedicine platform for children with autism. It's created for online meetings between doctors and patients and providing them with all necessary tools for therapy including dedicated management client screens. By using this app, children from all corners of the country have an opportunity to receive therapy without leaving their houses.



OUR TASK

When we first met with our client he had iOS and Android apps. Therapists showed users to download therapeutic decisions while online, and how to use it offline on read-only devices. The app only worked with an active subscription. We needed to go further and create a platform that would give the patient the ability to communicate with his therapist online, but every person has the possibility to get to the hospital, so the main task was to provide patient therapist online communication with the ability to use therapeutic tools in order to give the appropriate treatment. Additionally, the needs of the platform were different depending on who would use it.

FOR PATIENTS

The ability to communicate with the doctor online
To watch educational videos
To download session materials

FOR THERAPISTS

To manage the list of patients
To add new therapists to the program
To schedule online sessions
To create libraries with materials for patients

THE IMPLEMENTATION

CODES by design
Cultural Therapy & Health Services



SECURITY

First of all, it should be mentioned that the platform is secure from the very beginning. The access login and password are created by the therapist, to register you have to fill in the contact form and the system will send you access details to your email.

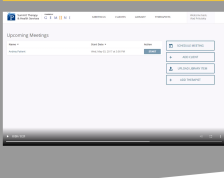
USER ROLES

The main point of the platform is the doctor's appointment that can be conducted online in case the patient can't physically come to the hospital. So there are 2 different roles in the system - the patient and the therapist.

When patients log into the system they can see meetings that they have scheduled with the doctor beforehand. Afterwards, they select a meeting and wait a bit while all the assets required for the session are loading. This is called "a waiting room" and here, while waiting for the session, the patient is watching a video, that was specifically chosen by the therapist. Patients can watch and perform the therapy sessions online or view recorded sessions that automatically download to their computers. To communicate with the therapist the patient should be equipped with the computer, good internet connection, and a video camera.



At the same time therapists have much more functionality through their access. Therapists have their own library of materials for patients. They can manage it any way they like - add materials, view them, delete or group into folders.



For example, the doctor can create a folder for each patient and inside to create sub-folders with relevant elements and "waiting room" videos for each session. The app also makes the selection of documents, images or videos to target specific behavior of each patient and to follow the accurately defined treatment plan.

Additionally, they can schedule a meeting by choosing the patient from their library, the time and date duration of the meeting, what library should be used and what files there it can be taken, leave a message if necessary. Afterwards, in the list of scheduled meetings, the therapist will be able to cancel, edit or delete them.



The last but not the least - the ability of the therapist to manage patients and subordinates employees, creating the patient records, creating full name and contact information.

Additionally, the doctor can include the age, gender and the diagnosis of the patient.

To add the first therapist the doctor needs to contact information to send the email invitation to the system.

We decided to integrate the streaming decision by using the OpenTok API. During the session therapists and patients see different screens. The patient only sees the therapist and the material the therapist is showing to him real-time - videos, pictures, whiteboard etc. Whereas the therapist has the screen divided into 2 parts. One part is the same as the patient sees, and the other one is the dashboard - this is where the therapist manages the live stream, the library and the whiteboard.



TECHNOLOGY STACK



OUR INPUT

As a result, we have turned a small helper app into the whole platform that could not only provide informative and useful content, but also allow patients to have sessions with their doctors online, and for doctors to create a whole individual system around every patient. The platform can be used on any kind of device, whether desktop, tablet or mobile phone.

Web Development

Quality Assurance

Graphic Design

Project Management

Business Analysis

