

ABSTRACT

The Total Health Web Portal is a telemedicine app that allows users to orchestrate the process of a hospital visit without requiring anyone to leave their homes. The app assigns each user to 1 of 3 roles: client, doctor, or administrator. Clients can request appointments, upload documents, message their doctor, and join video calls for their appointments. The doctor may also message their clients and join video calls for their scheduled appointments. In addition, they may search through a list of their patients and dynamically add notes for each patient. Finally, the administrators have the responsibility of accepting/declining incoming appointment requests and managing accounts from within the database.

METHODS

Technologies used for the web application are as follows:

- Web Application
 - HTML5/CSS3
- JavaScript Framework
 - Vue
- Backend/Database/Authentication
 - Google Firebase
- Version Control
 - GitHub

**RESULTS**

- Video messaging achieved using Agora.io SDK
- Text messaging, document sharing, and appointment request handling achieved utilizing Firebase's Firestore Database.
- HIPAA compliant

The Total Health Telemedicine Application provides users with an effective way to work and communicate in a single, convenient, and secure web portal.

Thomas Clifford



Darren Thompson



Mionne Gooch



Nicolas Capparelli



Ty Allen

