#stub

Teladoc Health

Ben Lee, Rohan Aren, Jonathan Xu, Paul Kuang, Dylan Kupsh
Our Problem

- With COVID-19, telehealth consultations have become increasingly important.
- Doctors cannot directly take patient vitals in this setting.
- Doctors are waiting for patient’s health data and cannot use their time efficiently.
- Patient testimony can be inaccurate, unreliable.
- Information in consumer health devices is not easily accessible to doctors.
Practical Goals

- Foster meaningful, productive patient-physician virtual consultations
- Reduce hospital workloads by offering alternatives to in-person appointments
- Streamline and introduce reliability to self-vital collection
Our Solution

- Create a mobile app that gathers health data from various consumer peripherals and user input
- Interface with Teladoc’s platforms to consolidate data and format for healthcare providers to use
Demo
Technical Details

- React Native framework to make our app iOS and Android compatible
  - Victory Native and React Native Elements also used for front-end
- Apple HealthKit and FitBit APIs fetch user data from respective peripheral devices
  - Expo Secure Store as current secure storage solution
- Smart Vitals API to bridge with Teladoc Solo
Challenges

● **Compatibility**
  ○ Cross-platform concerns: Expo Client, Android Standalone, iOS Standalone
  ○ Expo and React Native conflicts
  ○ Emulator vs Physical Device

● **Accessibility**
  ○ Reduce need for user input
  ○ Minimize clutter (separate apps, etc)

● **Efficiency**
  ○ Minimize API calls while keeping data secure
Next Steps for 189B

- Expand vitals collection with physical devices
- Google Fit OAuth
- Add notifications to remind users to submit vitals
- Perform backend analysis of collected data
- Add more testing for the data components
Questions?