

WEB & MOBILE APPLICATION SAMPLE SHEET

For two decades we've been working side by side with our clients to deliver value on the web and through mobile devices.

Here are a few samples of our recent work, shared in confidence. Please don't redistribute or share outside of your organization.



NuReIm

WHEELFIT UNIVERSITY OF PITTSBURGH

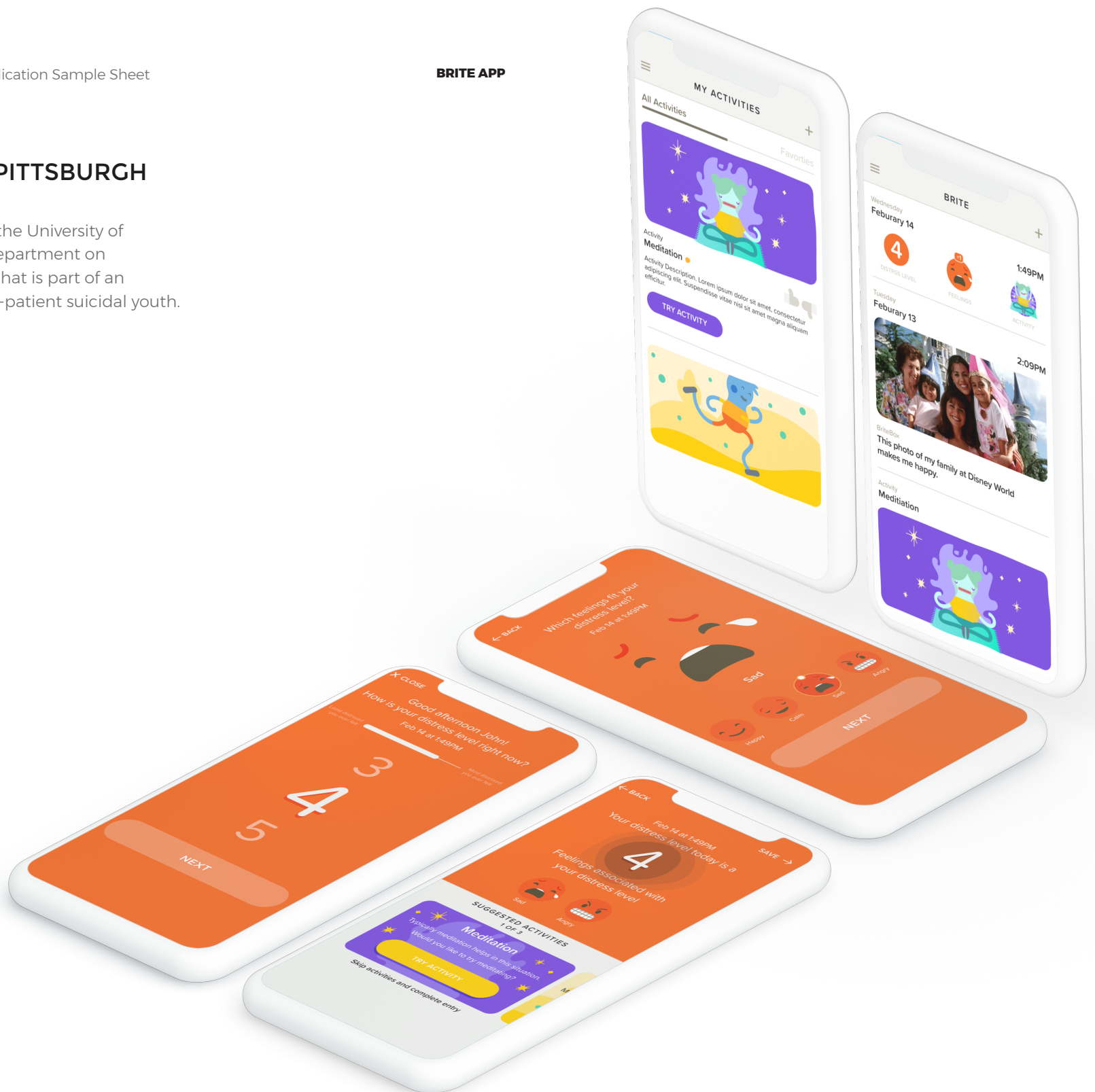
NuRelm recently partnered with the University of Pittsburgh's Human Engineering Research Laboratories (HERL) to build an exercise app for manual wheelchair users called WheelFit.

WheelFit combines accelerometer and heart rate data from a smartwatch with wheel spin data from a gyroscope to calculate wheelchair pushes, calories burned, heart rate, and distance travelled. The app helps wheelchair users achieve health goals through guided exercises, and carefully validated calorie measurement algorithms tailored for wheelchair users.



BRITE UNIVERSITY OF PITTSBURGH

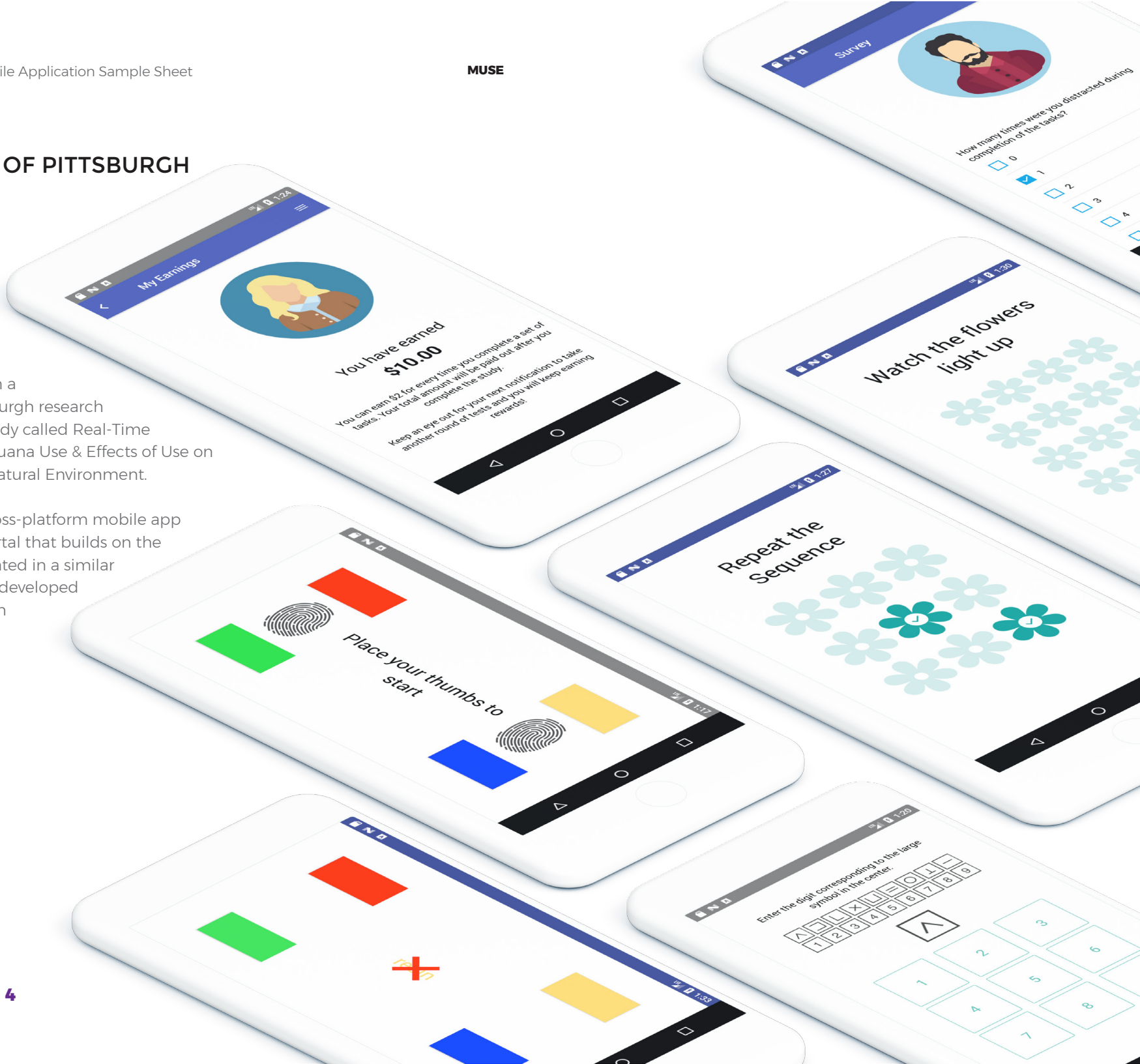
NuRelm is working with the University of Pittsburgh's Psychiatry department on Brite App, a mobile app that is part of an intervention used with in-patient suicidal youth.



MUSE UNIVERSITY OF PITTSBURGH

In partnership with a University of Pittsburgh research team leading a study called Real-Time Prediction of Marijuana Use & Effects of Use on Cognition in the Natural Environment.

NuReIm built a cross-platform mobile app and researcher portal that builds on the success demonstrated in a similar app we previously developed for alcohol research (MATCH Trial).



MOVISU-FIT UNIVERSITY OF PITTSBURGH

NuRelm was selected by a team at the University of Pittsburgh's Human Engineering Research Laboratories (HERL) after they won \$100,000 in a contest called the Pitt Innovation Challenge to develop a project called MOVISU-Fit.

MOVISU-Fit takes data from sensors in patients' prosthetic legs, processes that data, and indicates if the user is walking correctly via a pair of smart glasses. NuRelm's team is migrating the system from a large, heavy, wired prototype, to a wireless mobile app that stores user data in a cloud portal. NuRelm is responsible for mobile app development, connecting through Bluetooth to the prosthetic sensors and smart glasses, implementing the algorithms converting raw sensor data to "good" or "bad" steps, creating a cloud portal for data / user management, and ensuring the whole system works seamlessly.



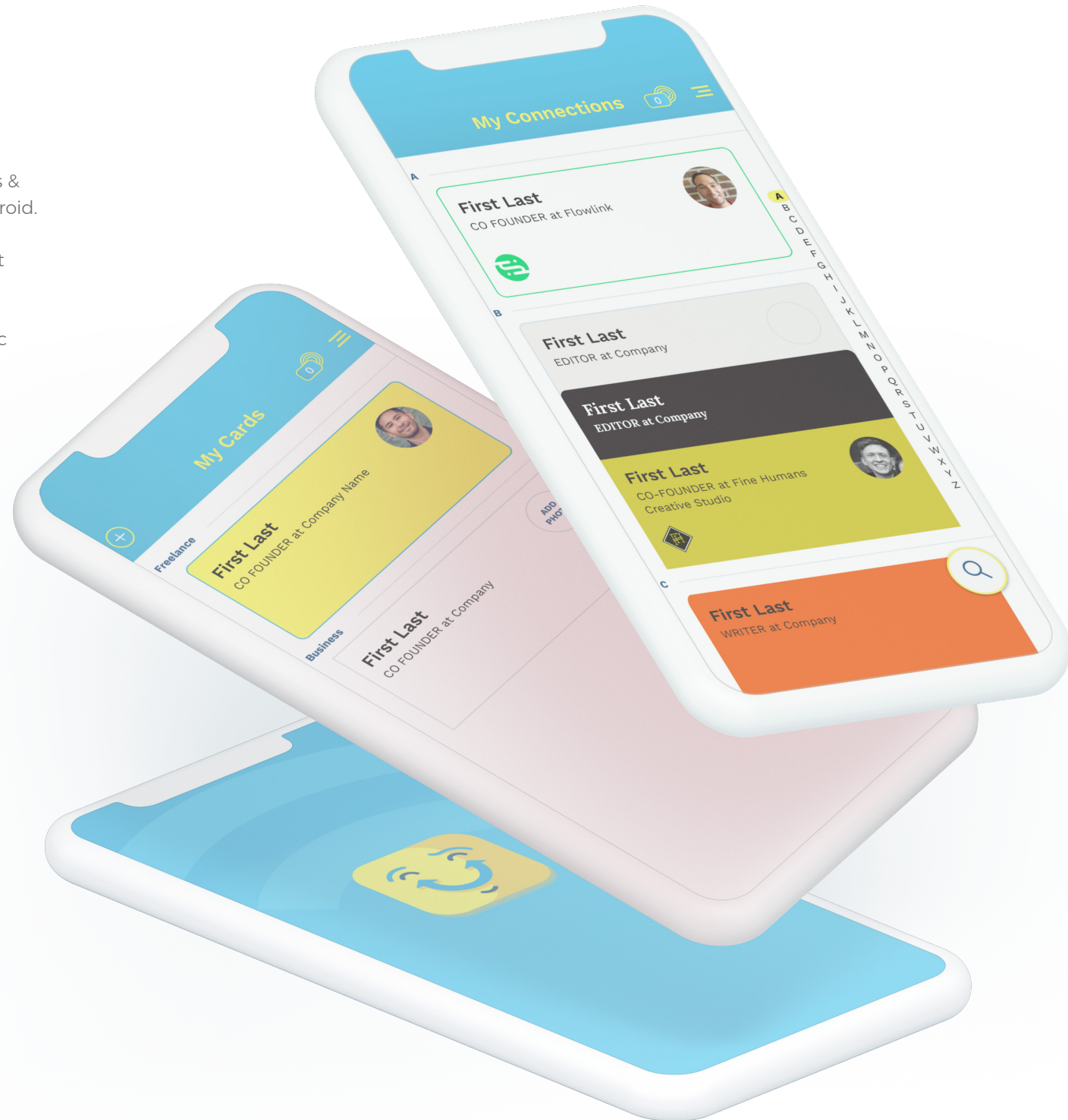
TDI UNIVERSITY OF PITTSBURGH

NuRelm was selected by the Pittsburgh Health Data Alliance's University of Pittsburgh arm, the Center for Commercial Applications of Healthcare Data (CCA), to build the technology around the Tumor-specific Driver Identification (TDI) System. The goal of TDI was to provide personalized genomic information to cancer clinicians about the genetic drivers of an individual patient's tumors, using real-time mining of genetic "big data" to enable personalized treatments for cancer patients and to discover new cancer drivers



BUSINESS CARD APP

NuRelm was tasked with starting up a business & social card sharing application for iOS and Android. With our design partners, we provided User Experience design, branding, and development of a Minimal Viable Product that is beautiful and crushes competition. This project is still in development and will be available to the public soon.



NEXAWARE UNIVERSITY OF PITTSBURGH

The University of Pittsburgh's Human Engineering Research Laboratories (HERL) and NuRelm are working together to build a commercial mobile app and data portal for an innovative e-scale system called Nexaware.

Nexaware consists of scales that sit under the feet of beds, which communicate with a control unit via Bluetooth, then transmit data from the control unit to a cloud-based data portal via a wireless network. The system allows for real-time weight monitoring, pressure ulcer management, and bed exit detection that is not otherwise possible.

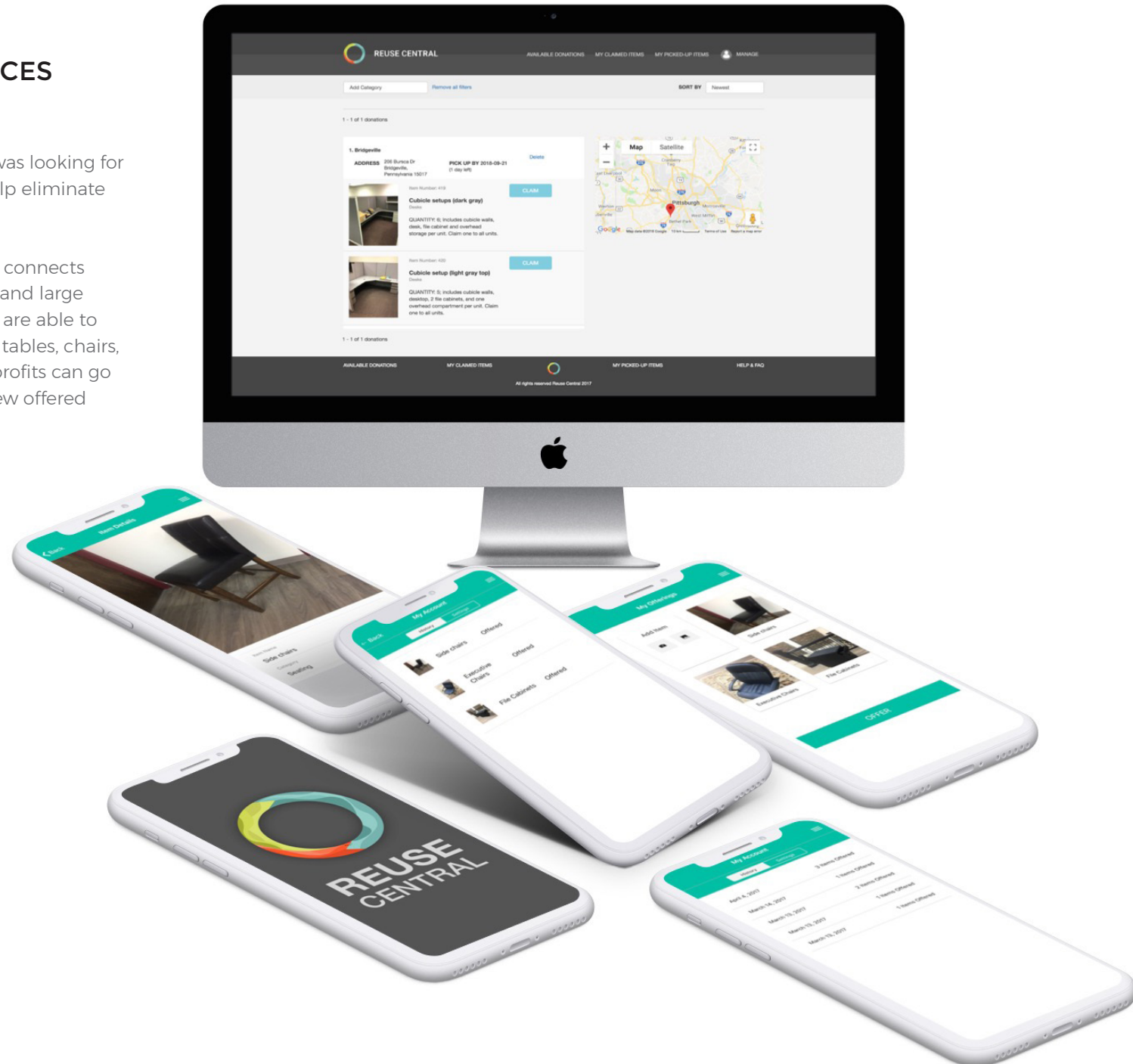
NuRelm is helping the team commercialize the system by writing a cross-platform mobile app that will configure the Nexaware devices, creating a flexible data portal, and updating the embedded Bluetooth and wireless systems such that everything works in a commercial environment.



REUSE CENTRAL PENNSYLVANIA RESOURCES COUNCIL

The Pennsylvania Resources Council was looking for an Android and iOS Application to help eliminate wasted durable goods.

The Reuse Central mobile application connects donors, consisting of mostly medium and large sizes businesses with non-profits who are able to reuse items such as conference room tables, chairs, cubicles, and other furnishings. Non-profits can go to the Reuse Central Web portal to view offered items and claim items.



RIDE ACTA AIRPORT CORRIDOR TRANSPORTATION ASSOCIATION

The Airport Corridor Transportation Association needed a mobile app in addition to their web-based map to help riders of their Ride ACTA program.

The app shows a live map of Ride ACTA shuttles and stops which is connected with a third party API. In addition to the shuttle service API, we utilized the Port Authority API to display nearby PAT buses and stops to help riders plan their trip and connect from PAT stops to the Ride ACTA shuttles.

