Cole Margerum • Jake Guida • Isaac Zinman Artem Jivotovski • Michael Amalfitano

cesignar ppfolio



BEFORE







AFTER



Long process



Long process

Frustrating

- Long process
- Frustrating
- Risky

Interior Design:

- Long process
- Frustrating
- Risky

designAR:

Interior Design:

- Long process
- Frustrating
- Risky

designAR:Quick, easy, & free

Interior Design:

- Long process
- Frustrating
- Risky

designAR:
Quick, easy, & free
Interactive

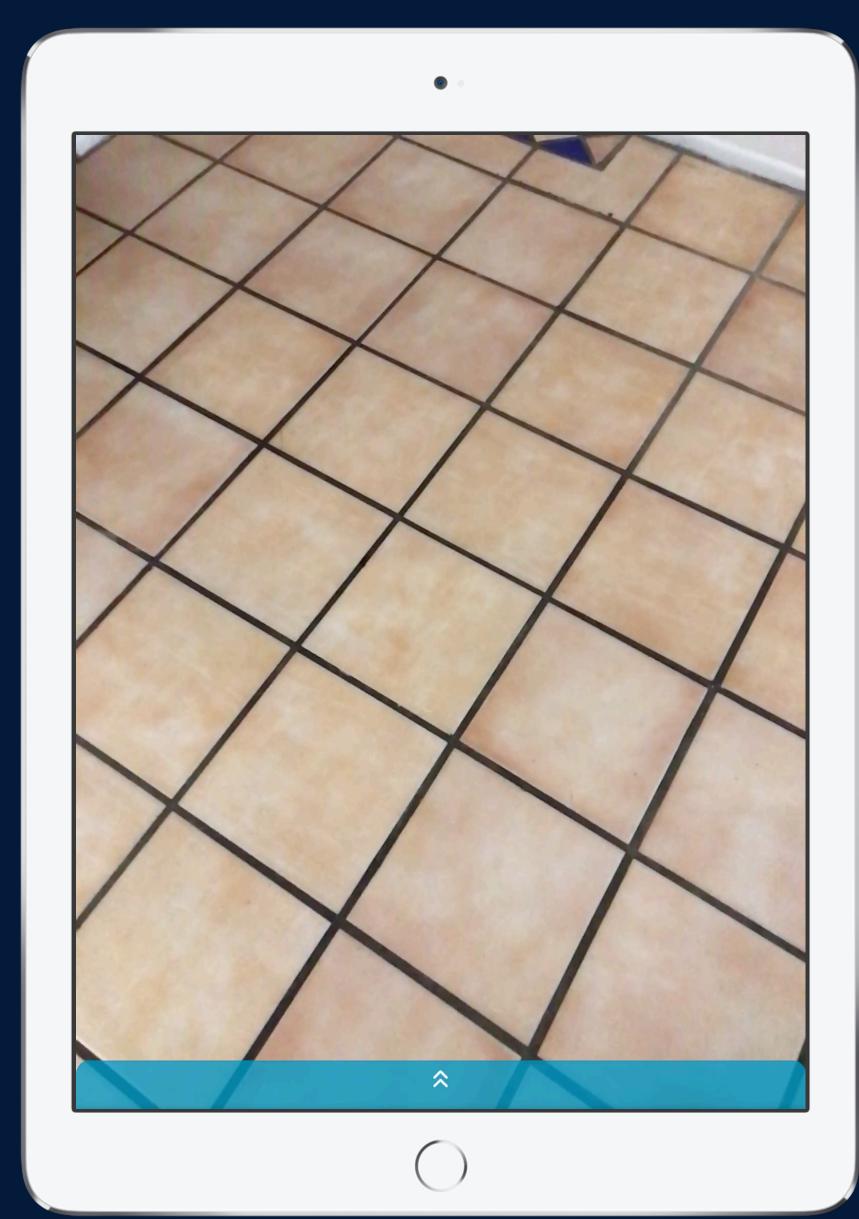
Interior Design:

- Long process
- Frustrating
- Risky

designAR:

- Quick, easy, & free
- Interactive
- Staging made simple

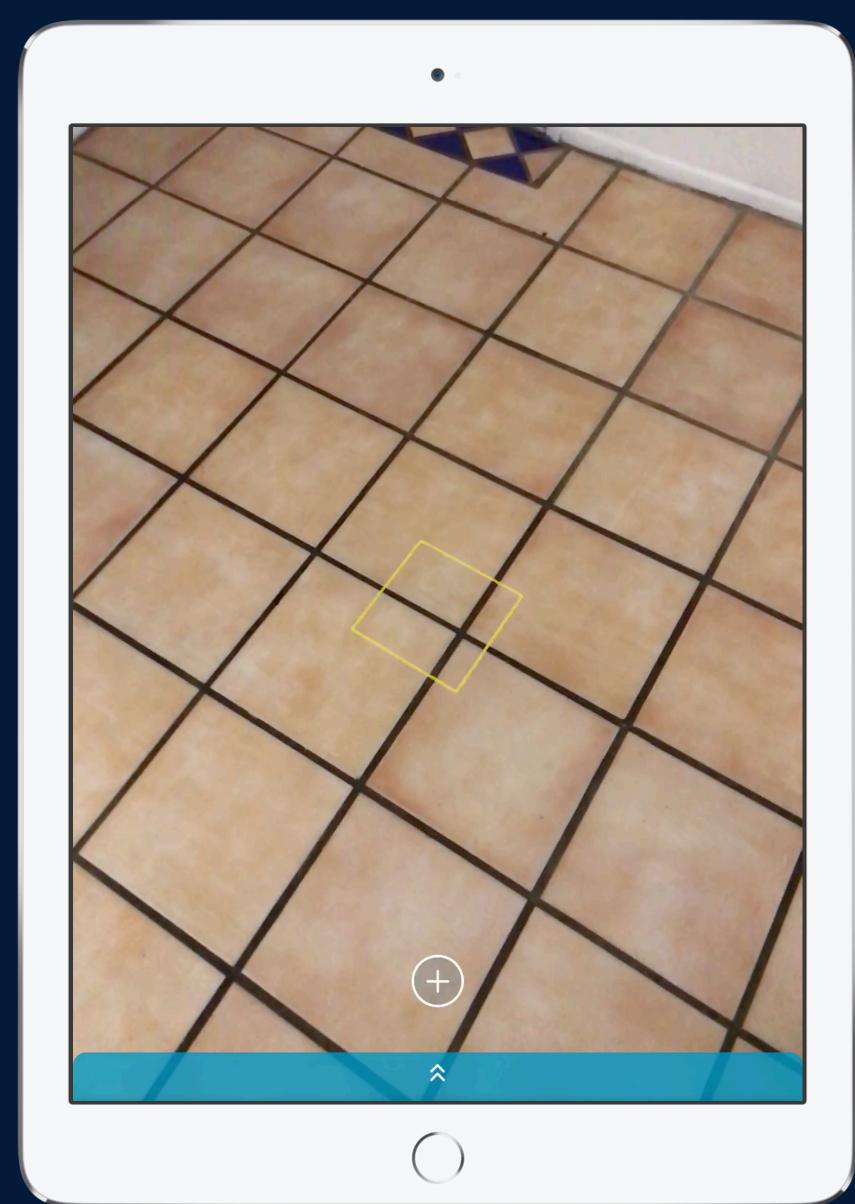
• React UI





• React UI

Surface detection





• React UI

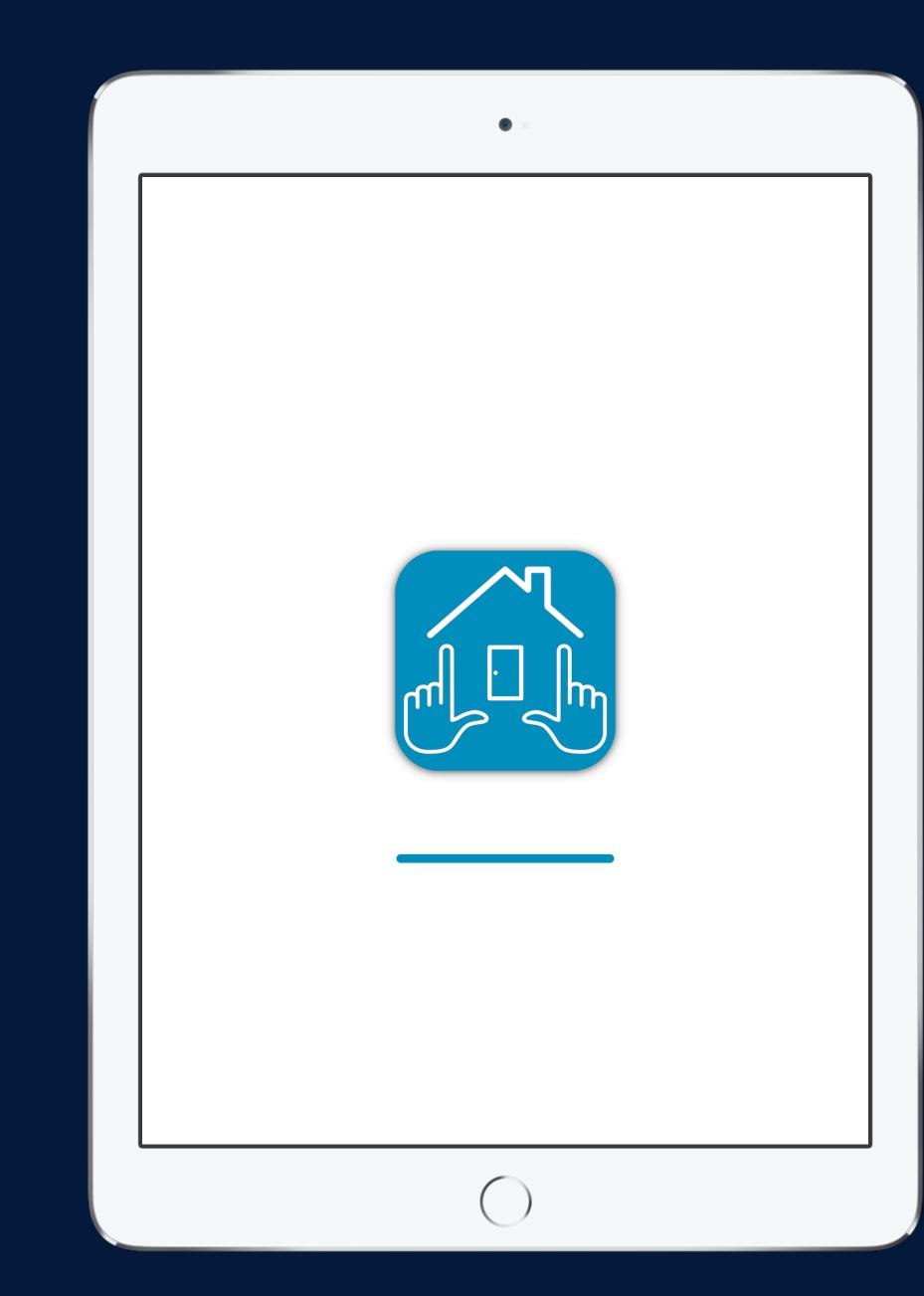
Surface detection

Object interaction



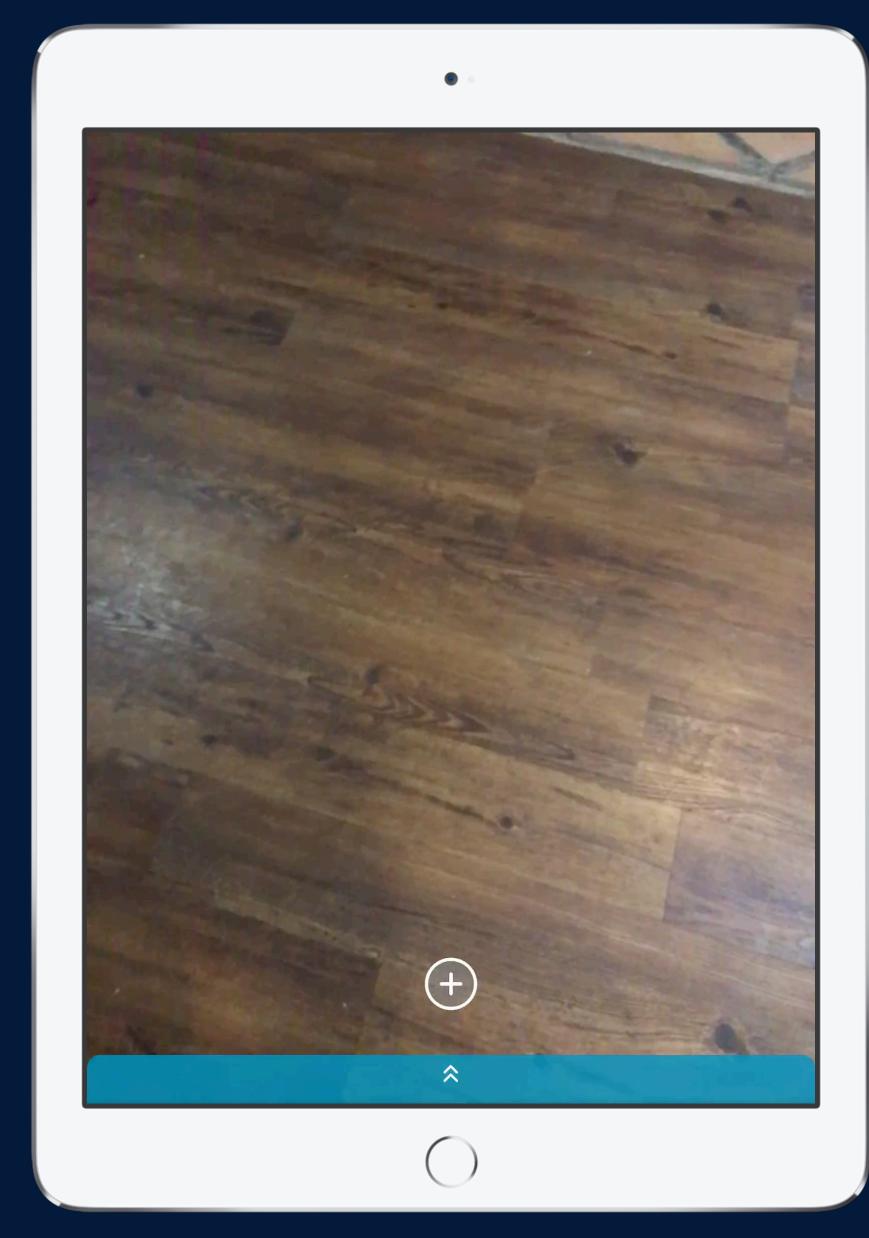






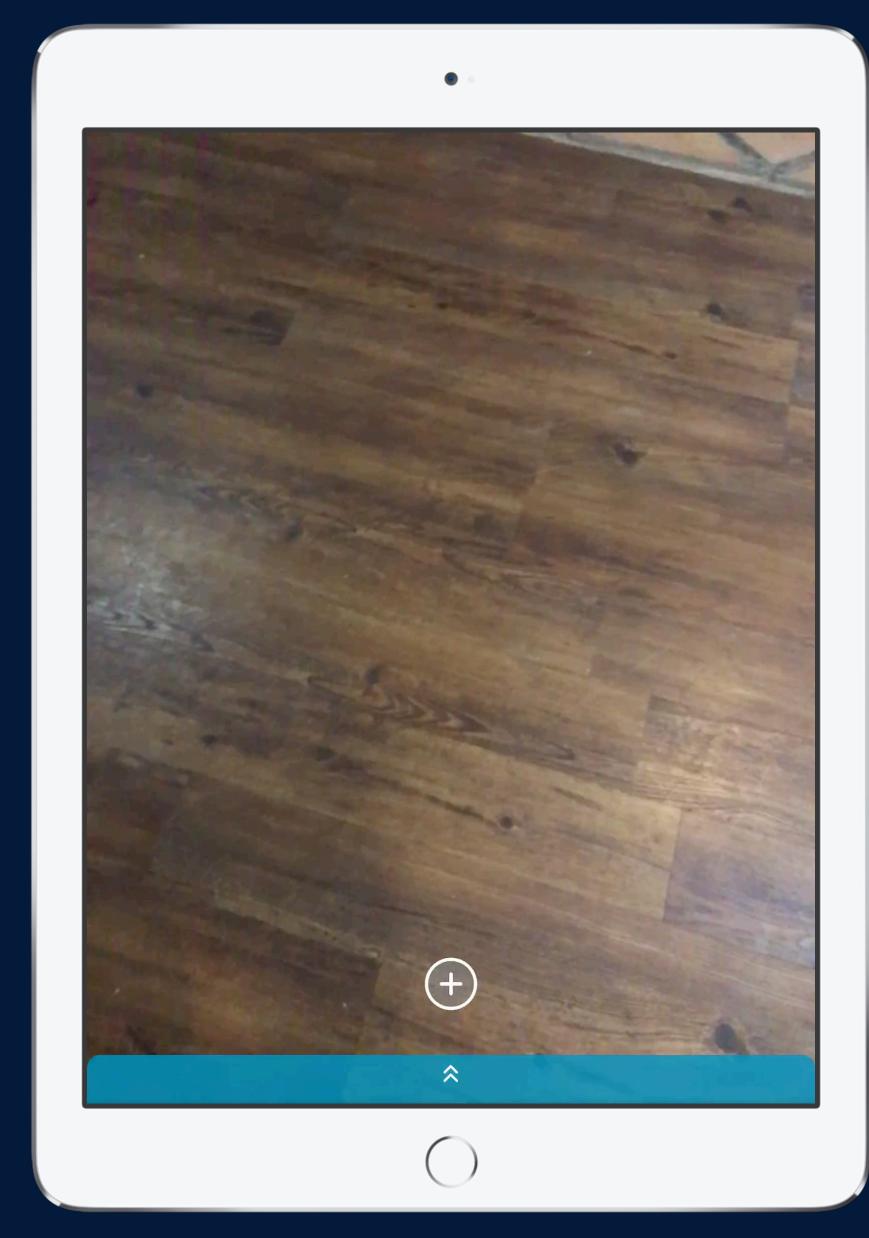
Plane detection?

Plane detection



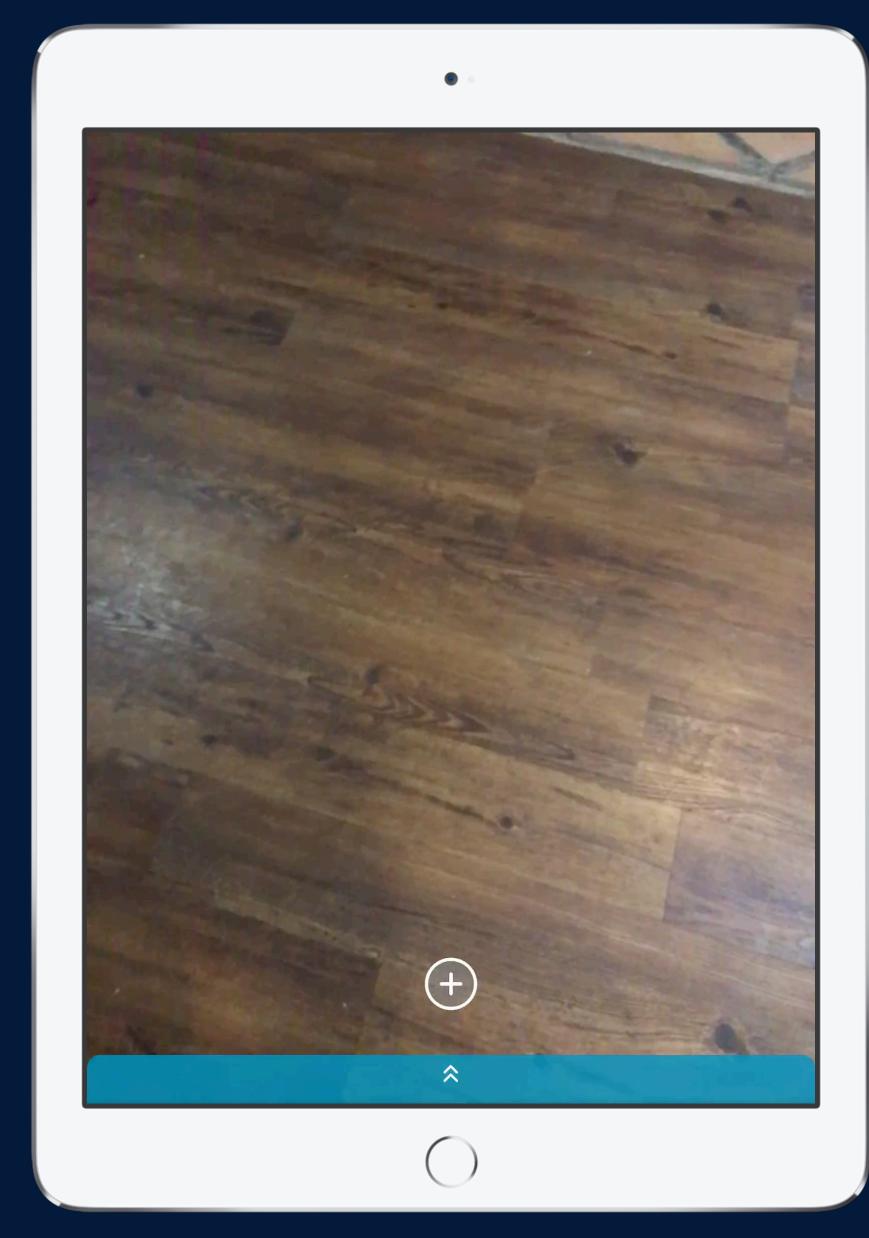
Feature points

Plane detection

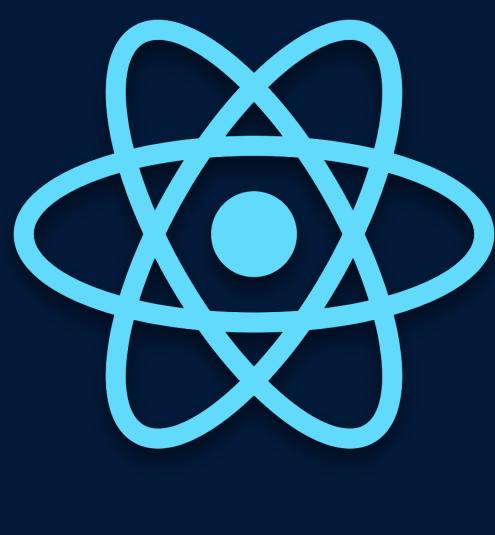


Feature points + Accelerometer

Plane detection



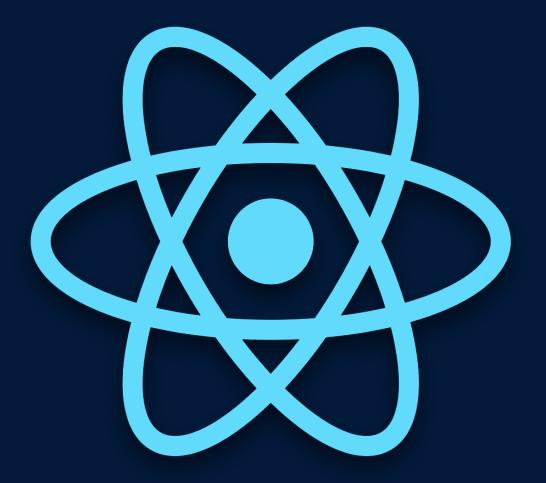
TECHNOLOGIES EMPLOYED





React Native

TECHNOLOGIES EMPLOYED



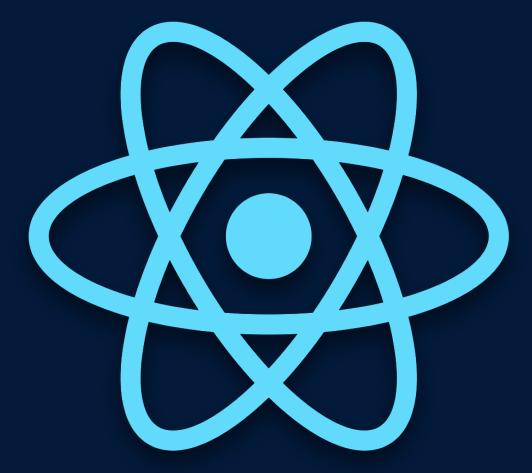
React Native





ARKit 2

TECHNOLOGIES EMPLOYED



React Native









Swift

React Native UI

React Native UI

User Input/Menu Updates

ARViewManager

React Native UI

User Input/Menu Updates

ARViewManager

Modify AR scene

ARView

React Native UI

User Input/Menu Updates

ARViewManager

Modify AR scene

ARView

AR State Data

ARViewModel

TECHNICAL CHALLENGES



SWWDC 18



User 1



User 2



Seamless connections



User 1



User 2



Seamless connections

Realtime updates



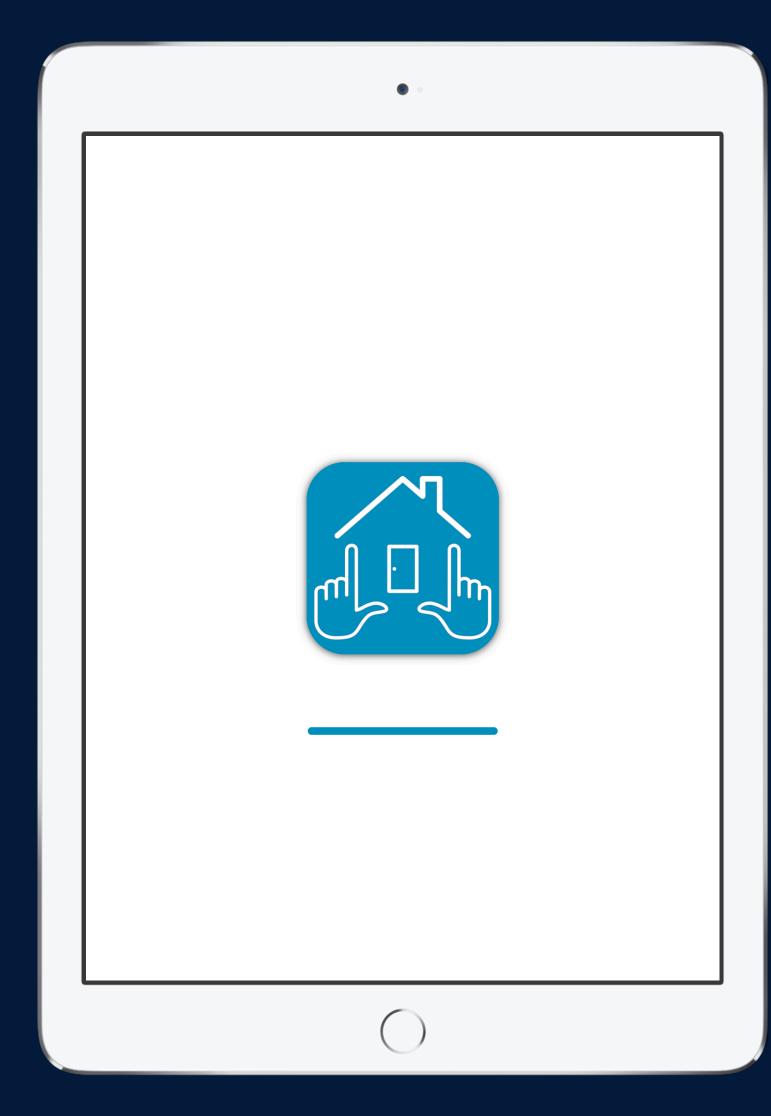
User 1

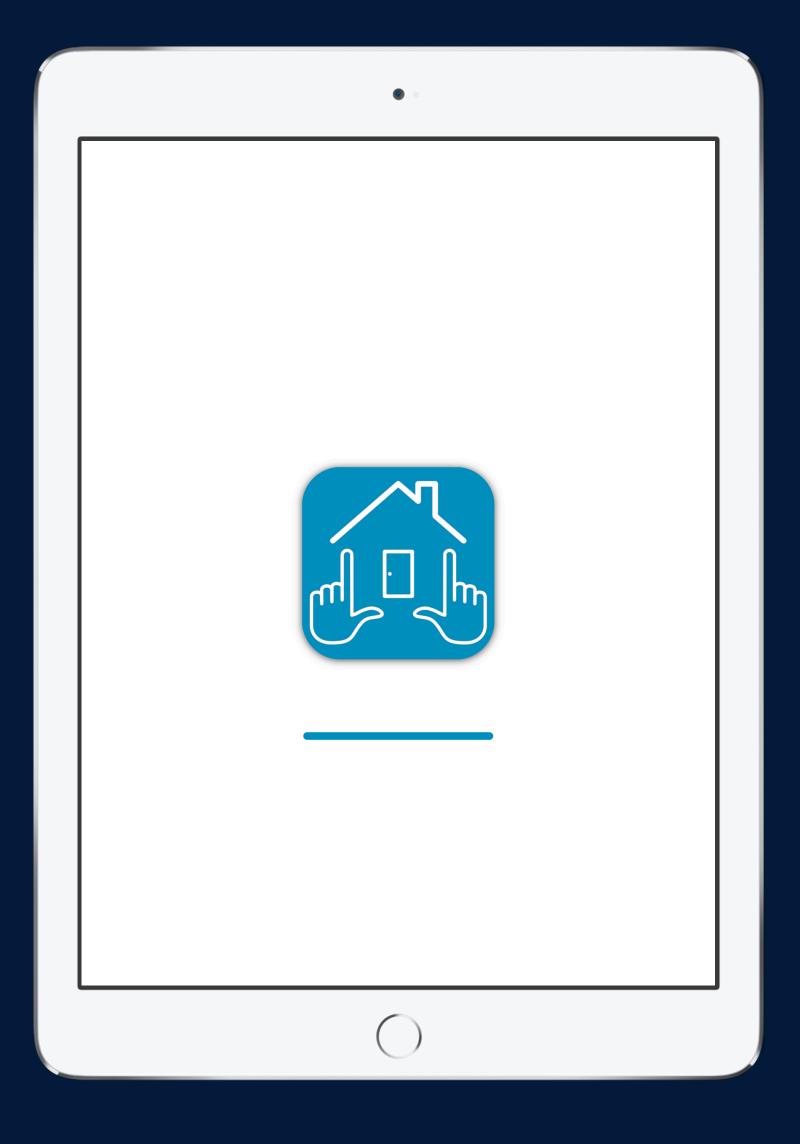


User 2











SAVES TIME



SAVES TIME







SAVES TIME







MORE PERSONAL

amazon KEA



QUESTIONS





designAR Oldotte