

MICHIGAN STATE
UNIVERSITY

Beta Presentation

Adjust: Augmented Reality Chair

Adjustment Assistant

The Capstone Experience

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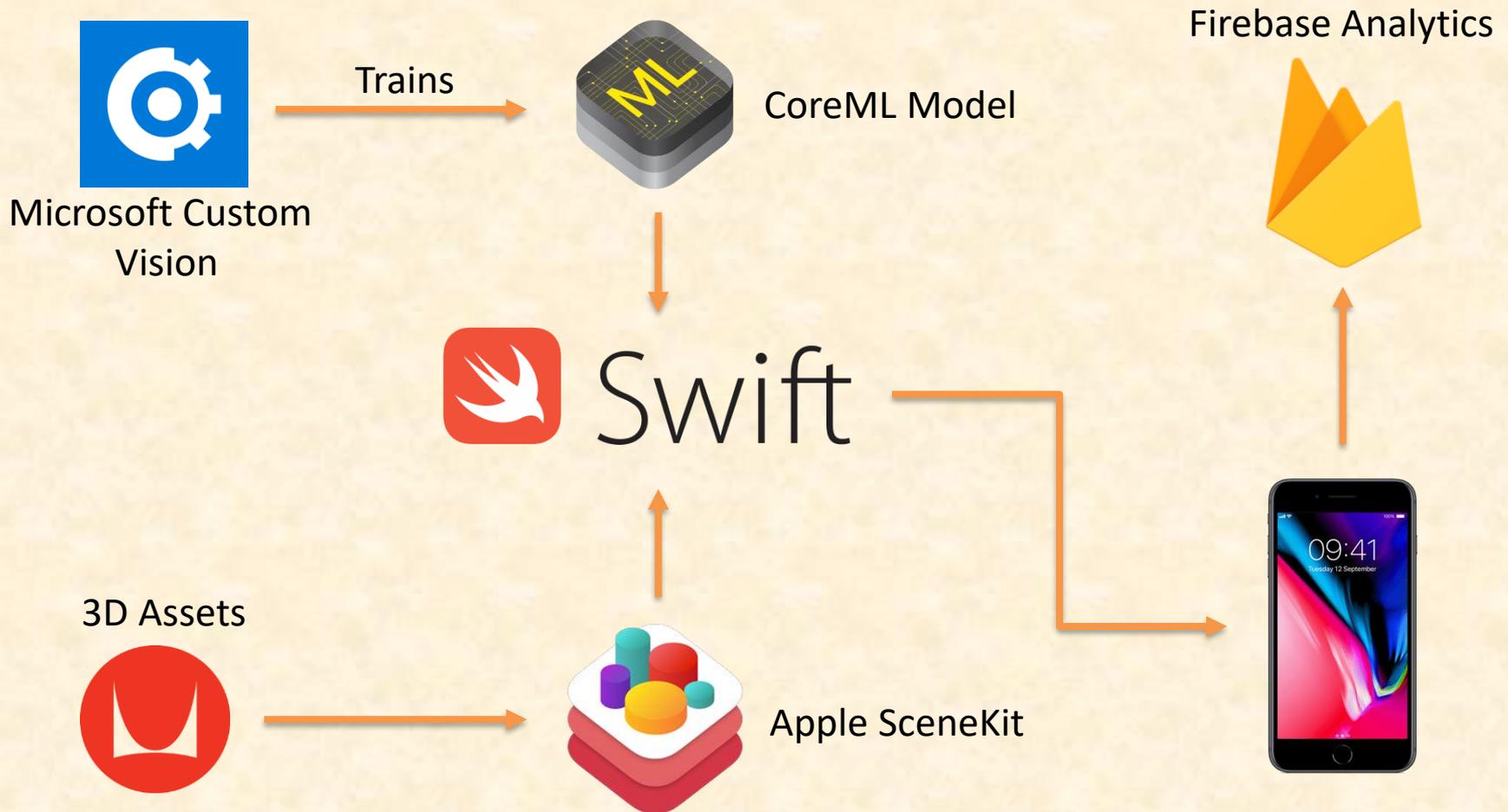
*From Students...
...to Professionals*

Project Overview

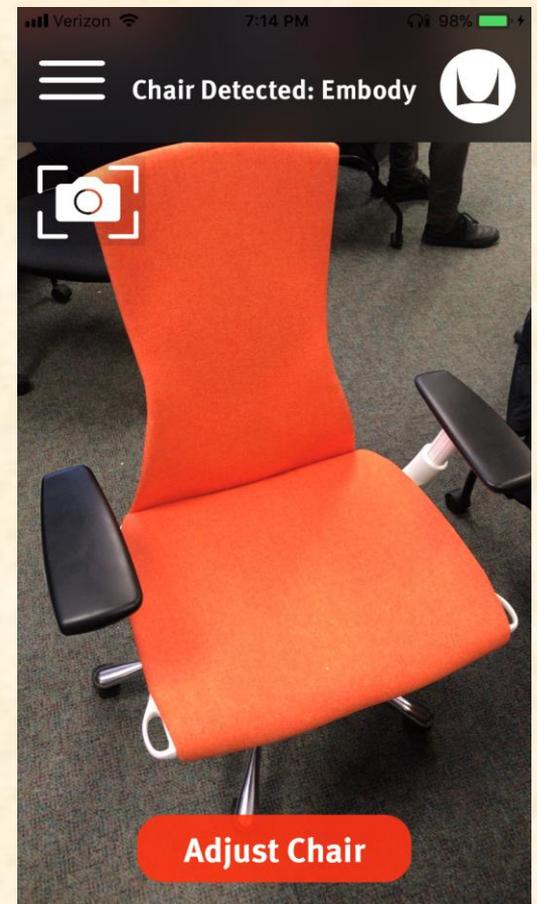
- Augmented Reality Adjustment Assistant for users of Herman Miller Chairs
- Identifies model of chair using smartphone camera
- Guides users through ergonomic adjustments
 - Interactive 3D model highlights relevant part
 - Tapping on highlighted part gives adjustment video and instructions
- Designed to replace paper instruction manuals



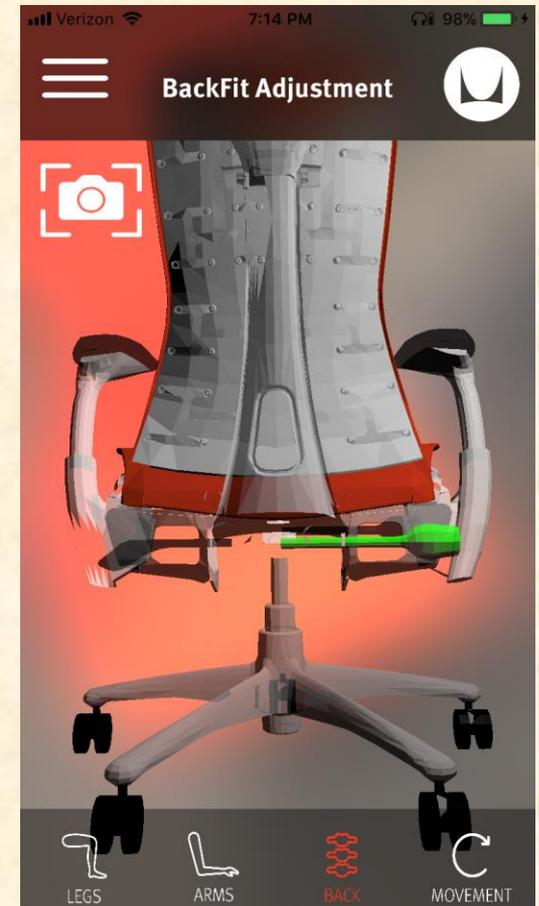
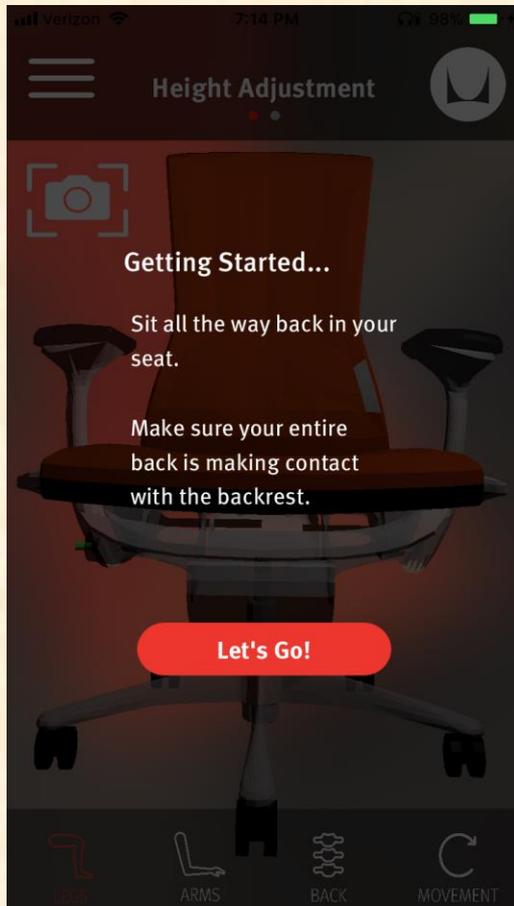
System Architecture



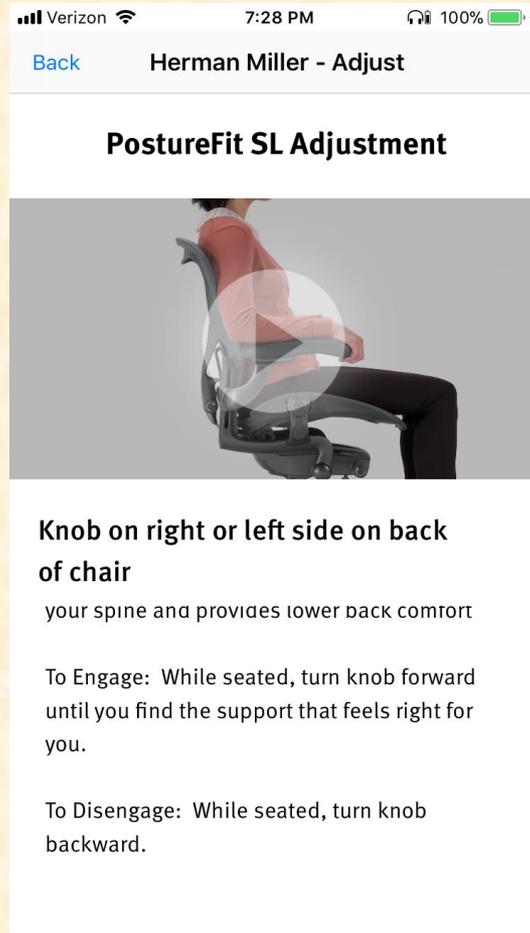
Chair Detection Interface



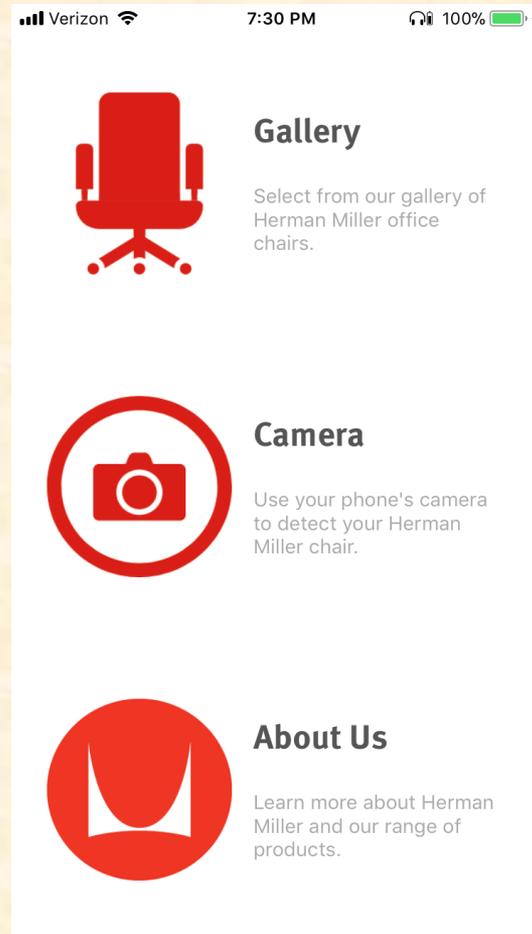
Interactive Adjustment Interface



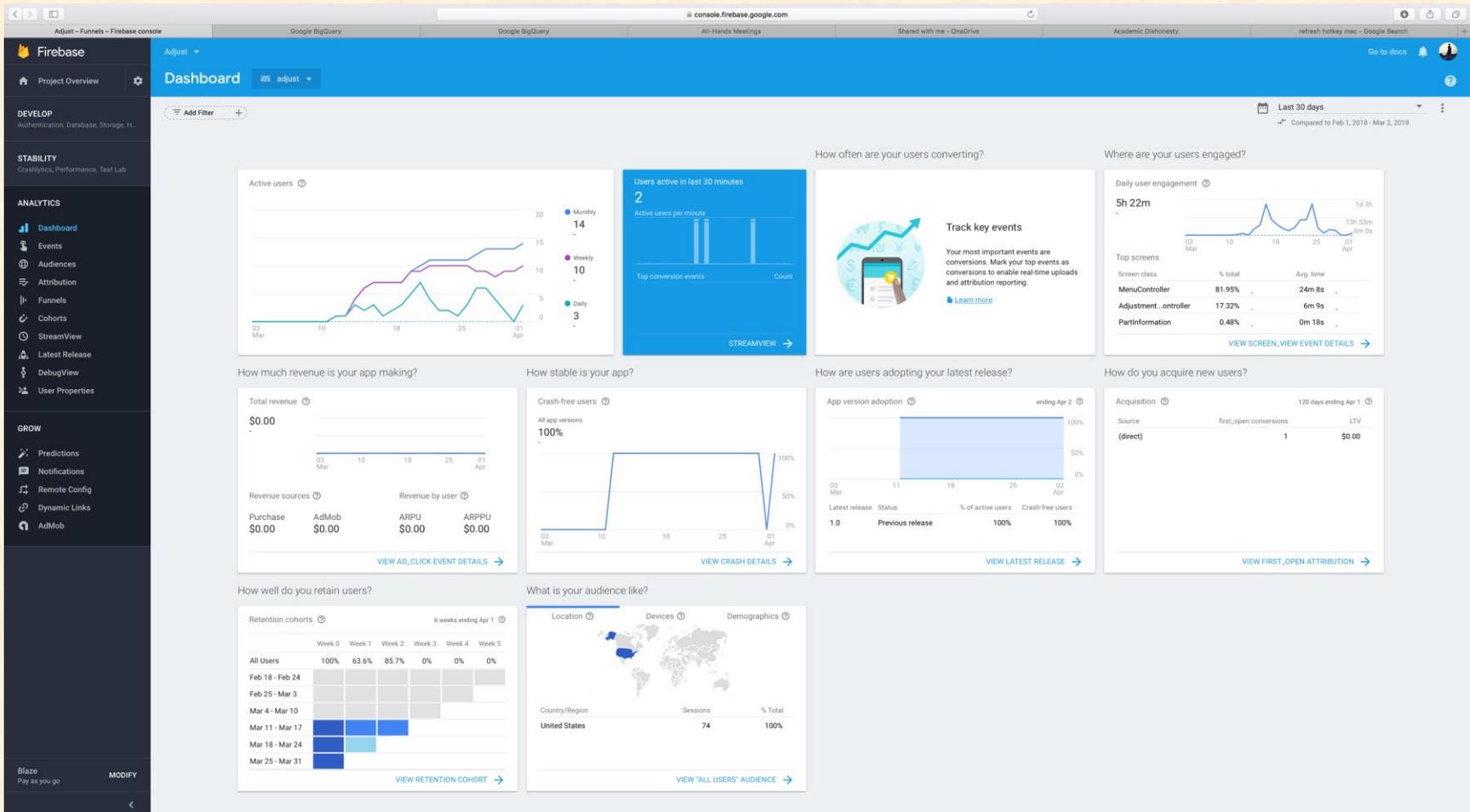
Adjustment Information Screen



Main Menu



Firebase Analytics Dashboard



What's left to do?

- Continue expanding analytics
- Testing and bug fixes
- Minor UI tweaks
- Final documentation and code cleanup

Questions?

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