

MICHIGAN STATE

U N I V E R S I T Y

Alpha Presentation

Mobile Maestro

The Capstone Experience

Team Urban Science

Dane Rosseter
Alex Guillaume
Samantha Oldenburg
Mustafa Jebara
Shun Ran

Department of Computer Science and Engineering
Michigan State University

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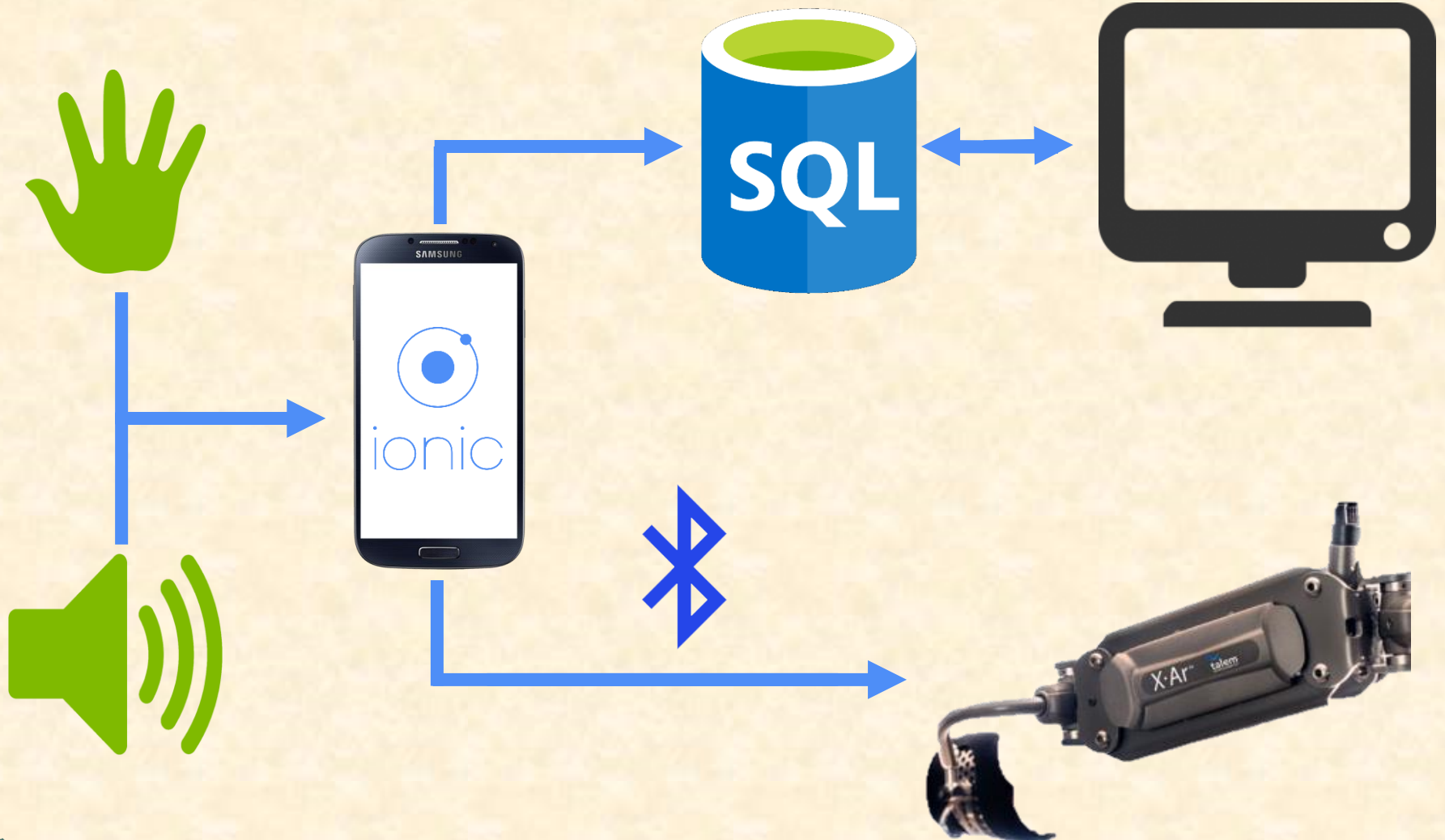
*From Students...
...to Professionals*

Project Overview

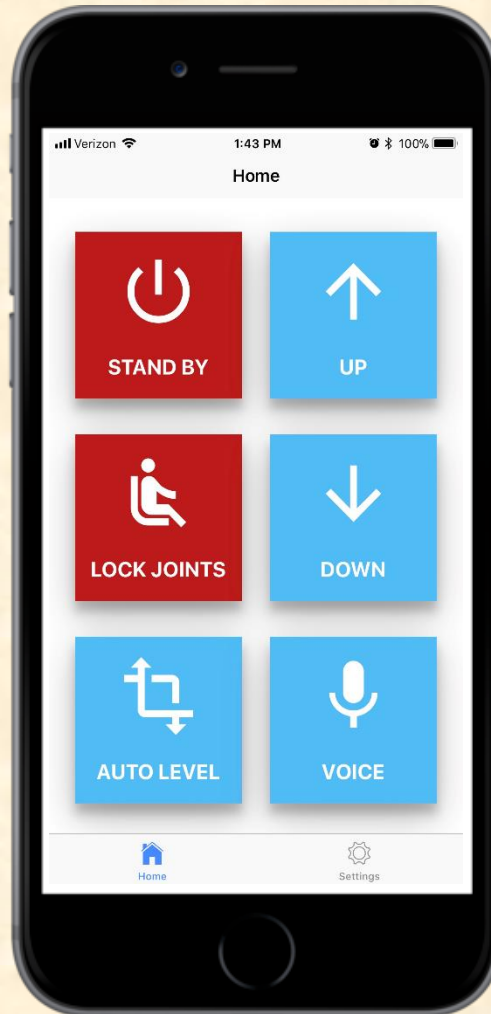
- Creating a mobile app that will adjust exoskeleton
- Allows manual adjustments
 - Moving up and down
 - Locking and unlocking joints
 - Enabling and disabling standby mode
- Voice Controls
- Auto Leveling
 - Automatically moves up and down
 - automatic



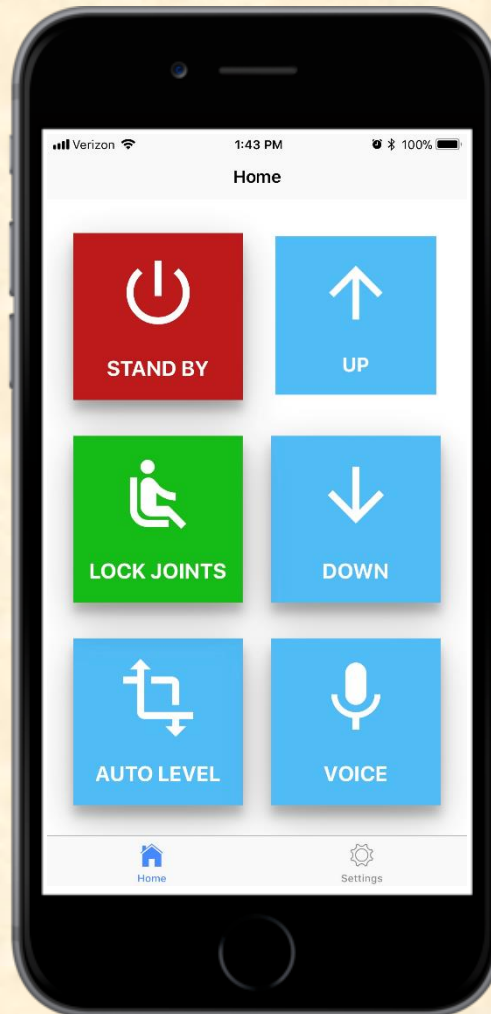
System Architecture



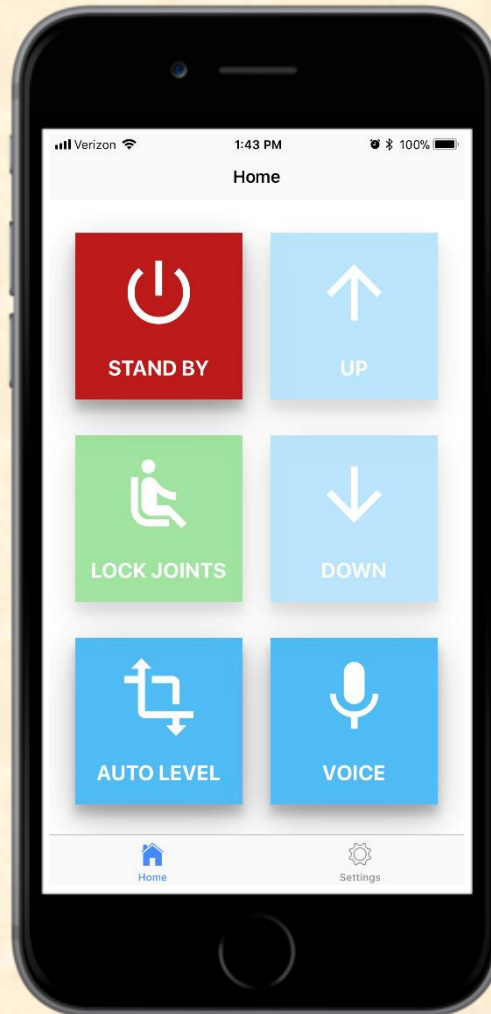
Main page – No buttons active



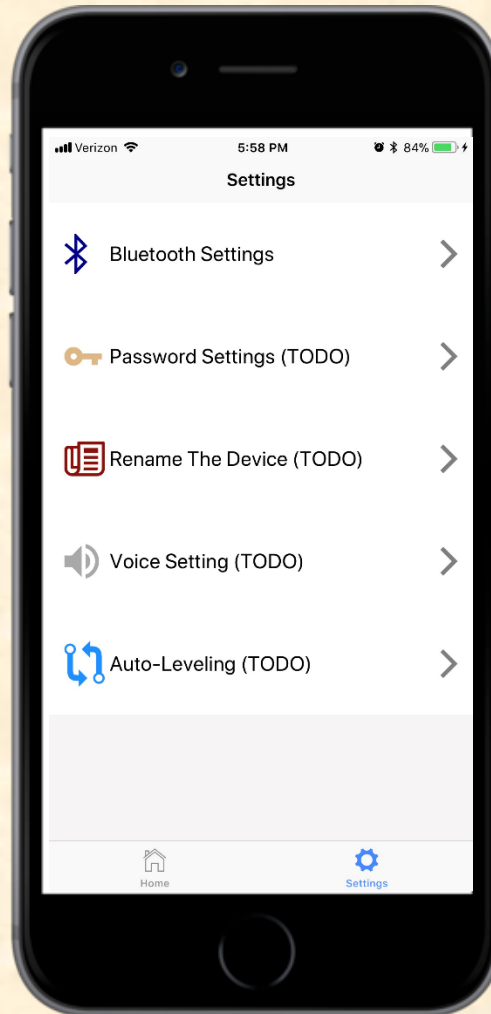
Main page – Up and Lock active



Main Page – Standby active



Setting Page



What's left to do?

- Continuous Voice Controls
- Make auto leveling more accurate
- Sending app usage data to database
- Polish UI and work on Globalization
- Device profiles
 - Remembering user's arm for auto connection
 - Remembering state of user's arm



Questions?

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