

MICHIGAN STATE

U N I V E R S I T Y

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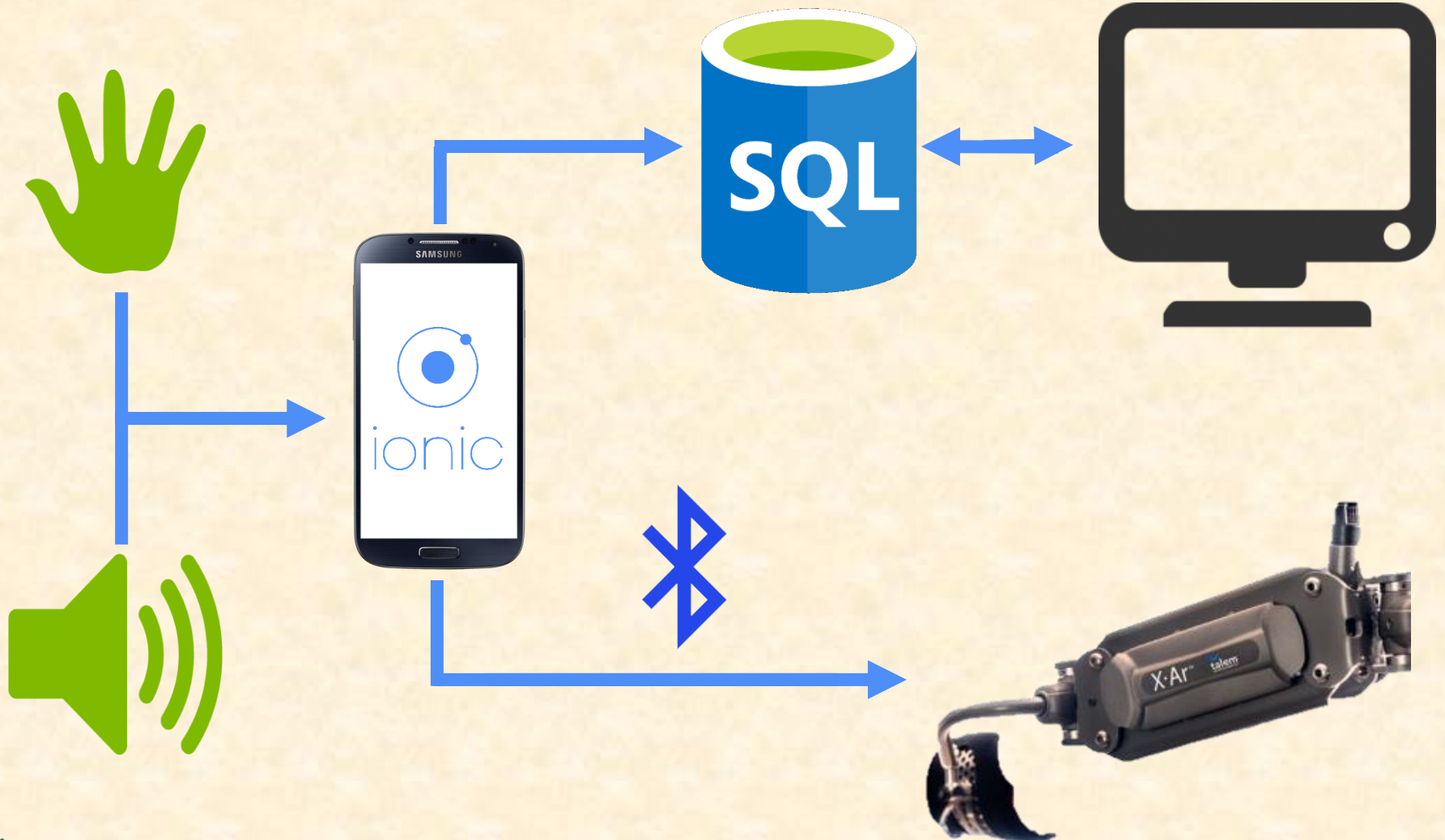
*From Students...
...to Professionals*

Project Overview

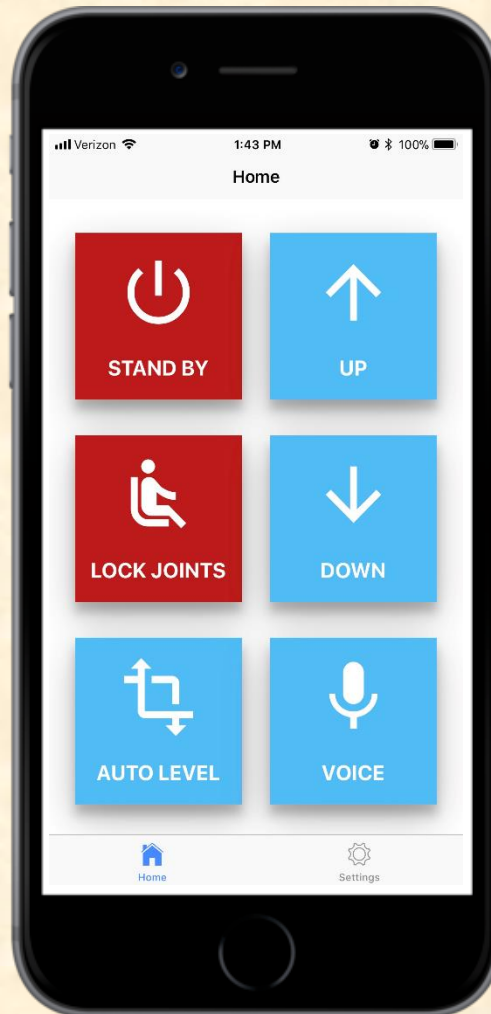
- Creating a mobile app that will adjust exoskeleton
- Allows manual adjustments
 - Moving up and down
 - Locking and unlocking joints
 - Enabling and disabling standby mode
- Voice Controls
- Auto Leveling
 - Automatically moves arm up and down



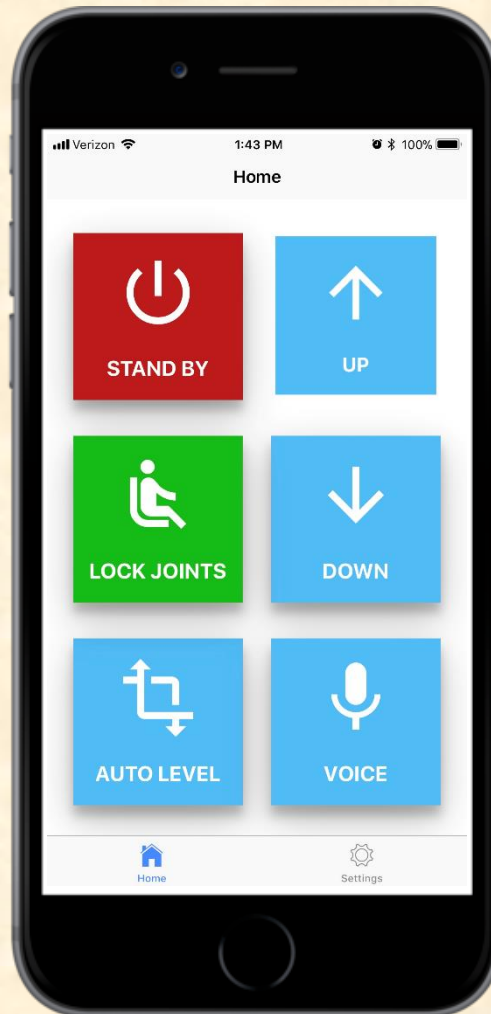
System Architecture



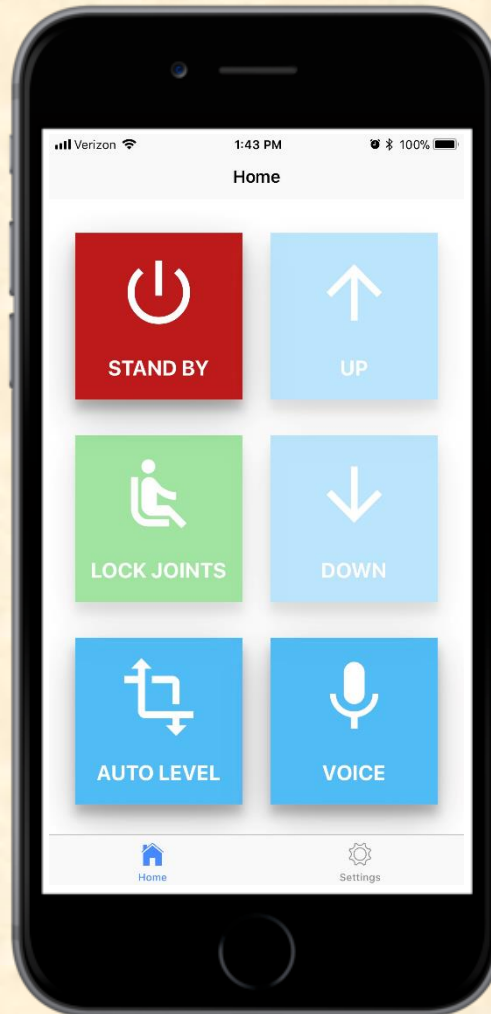
Main page – No buttons active



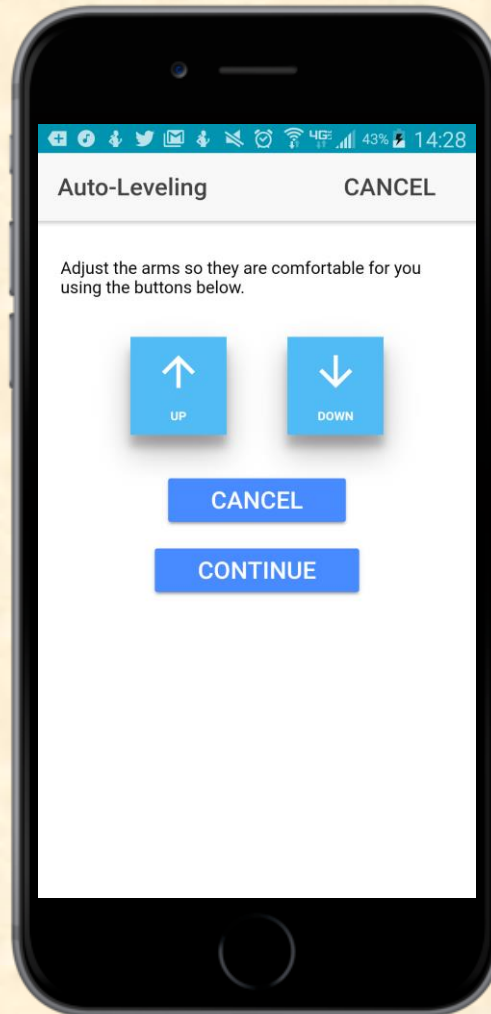
Main page – Up and Lock active



Main Page – Standby active



Auto Leveling Setup



What's left to do?

- Continuous Voice Controls
- Setup Web App for viewing usage data
- Polish UI and work on Globalization



Questions?

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