SMART Group

Augmented Reality Discussion

Discussion Topics

Who is SMART Group

AR Devices

AR Use Cases

Who is SMART Group

THE TEAM

- Custom software since 2010

- Global industry experience (Transocean, Shell, Diamond, Chiles, GSF, Songa, Chevron, BP)

- Diverse backgrounds
  - Physicist (Chris)
  - EE / Geo-Physicist (Stu)
  - CPA (Kevin)
  - Engineering Consultant (Stephen Allen - ACS)

OUR WORK

- Business critical mobile / cloud applications

- Integration with corporate systems

- Wearable computing

- Leverage new technologies

- We build… you own!

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What We've Done

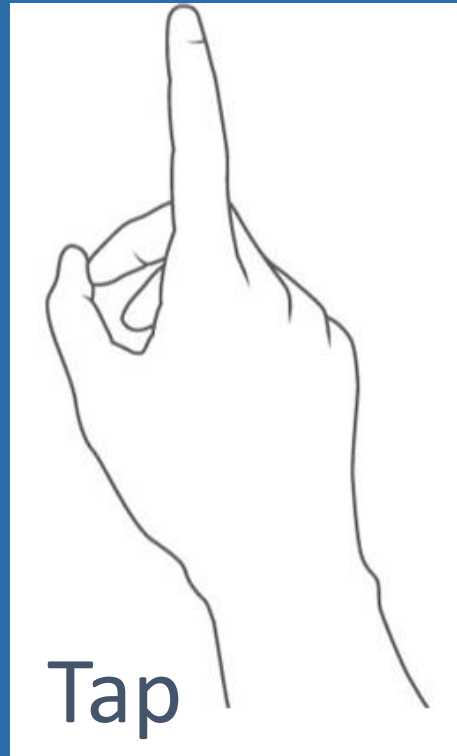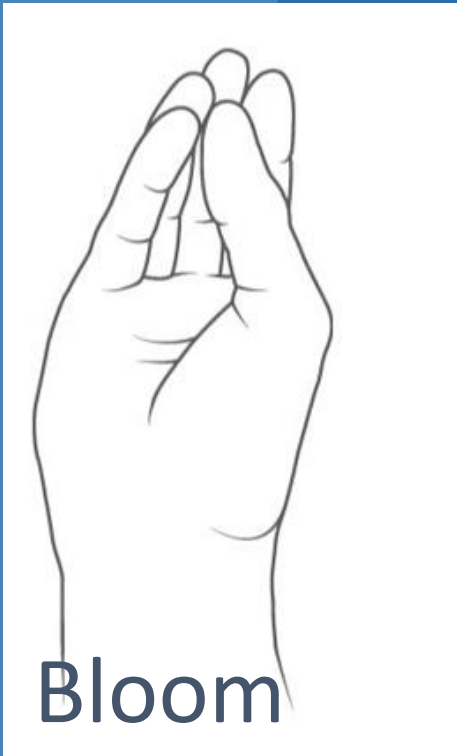| Platform	Project
iPad / iPhone / Browser	Field construction management app with facial recognition time clock. Incorporated geo-boundaries for internal control.
iPhone / Browser	Augmented Reality (AR) heavy equipment catalog.
iPhone / Browser	Field Service Tech travel monitor. Used to determine if tax nexus established in any jurisdiction.
Android (wearable) / Browser	Site inspection
HoloLens / Browser	AR valve maintenance guidance / training
HoloLens	Architectural plans (Revit) visualization
Browser (SaaS)	Comensure.com. Risk and internal controls.
Browser (SaaS)	SmartCr2.com. Revenue recognition and lease acctg.
Desktop	Case Management for Harris County Attorney's Office
Power BI	Custom Business Intelligence solutions for multiple companies

AR Devices

AR Use Cases

- Maintenance
  - Guidance
  - Rich data collection
  - Disassembly / Assembly
  - Asset / part identification
  - Inspections

- Operations
  - Remote monitoring

- Remote Mentoring

- Training
  - Realistic environments
  - Remote training
  - Unlimited equipment

Capabilities Demo: HoloLens

Bloom

Tap

- To launch the demo
  - On the bloom menu tap the Smart Group icon; or
  - Say "Smart Group Demo"

- Asset Manipulation - Adjust Button
  - Tap and hold anchors to resize and rotate object.
  - Tap and hold object to move it around in space.

- Asset Manipulation - Valve: Voice Commands
  - "Disassamble"
  - "Assemble"

- Image Targets
  - Hold card 1-2 ft away facing the Hololens to activate hologram.

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