

MICHIGAN STATE
UNIVERSITY

Alpha Presentation

Syncing Mobile Data Without Internet
Connectivity

The Capstone Experience

Team Yello

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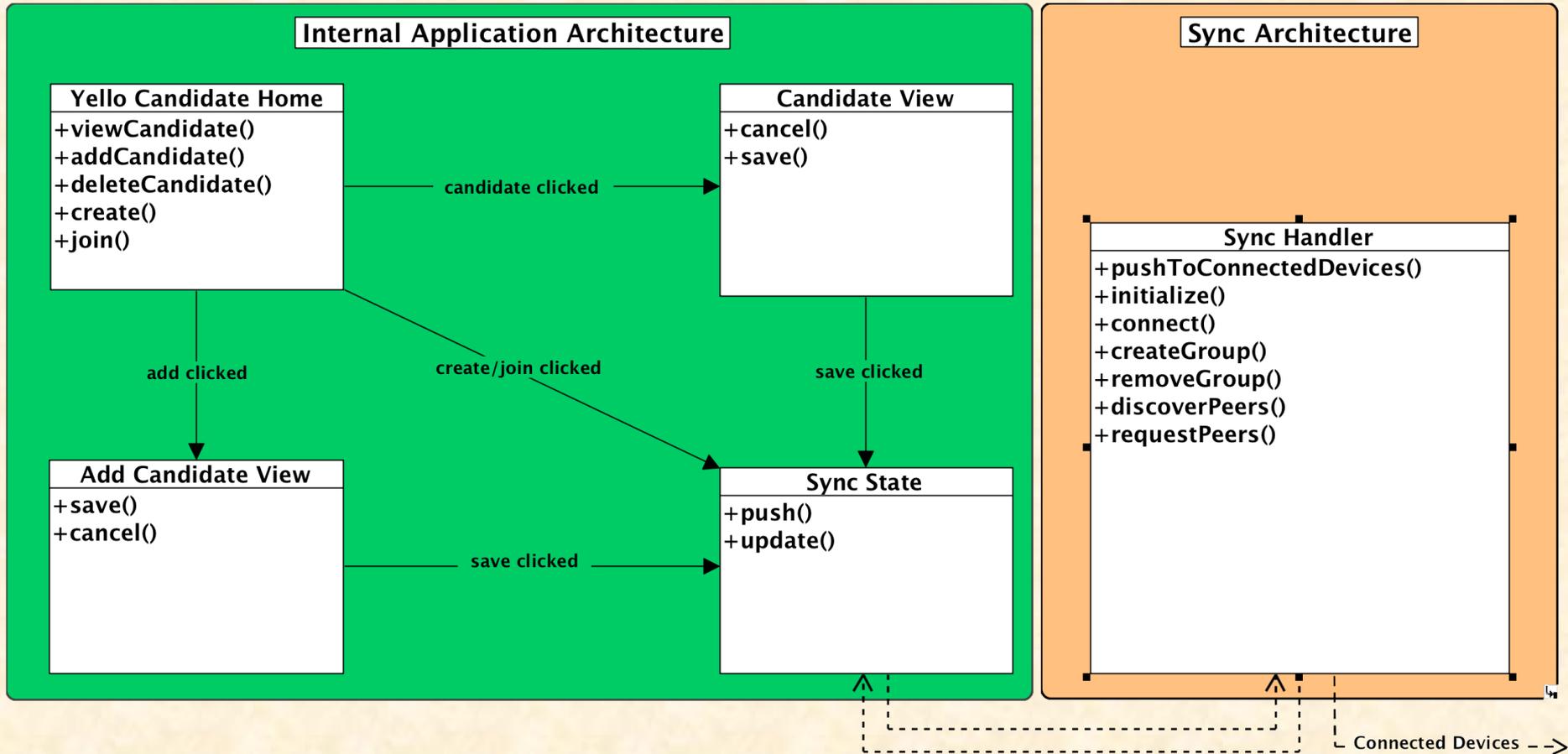
*From Students...
...to Professionals*

Project Overview

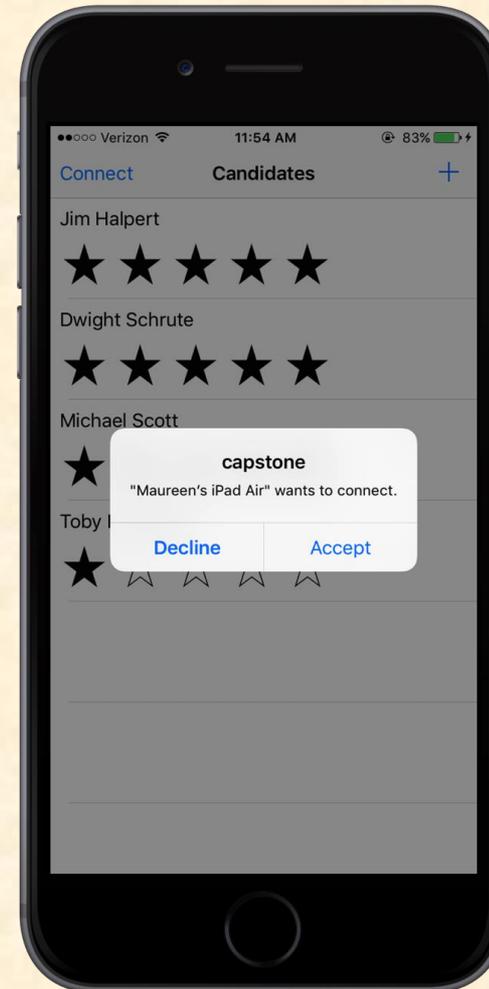
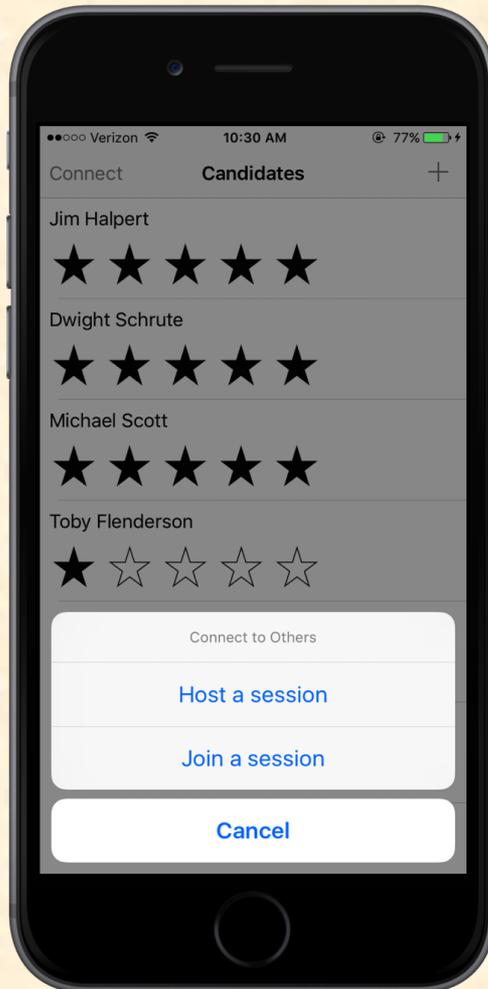
- Create iOS and Android frameworks to transfer data without internet connection
- Create iOS and Android demo apps to demonstrate frameworks
- Use Wi-Fi Direct and Multipeer Connectivity to connect devices without an intermediate access point.



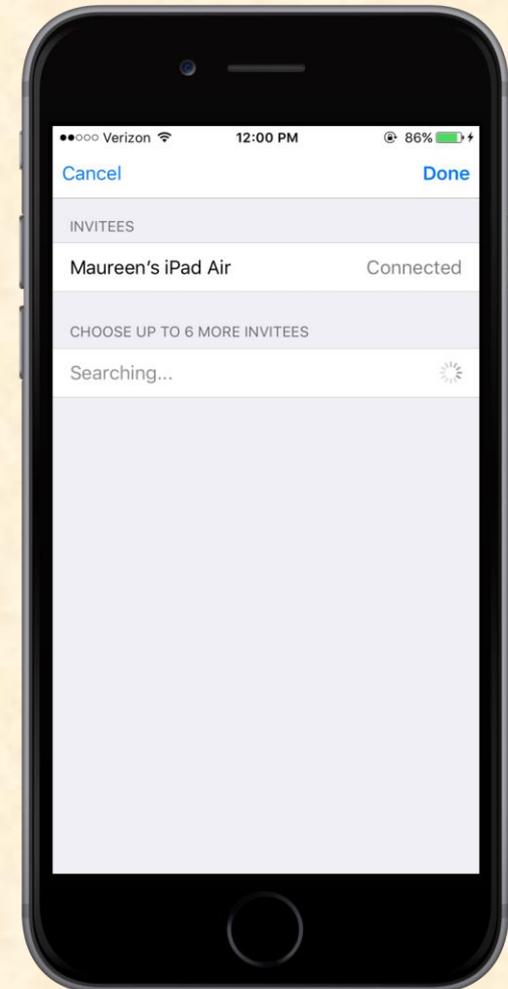
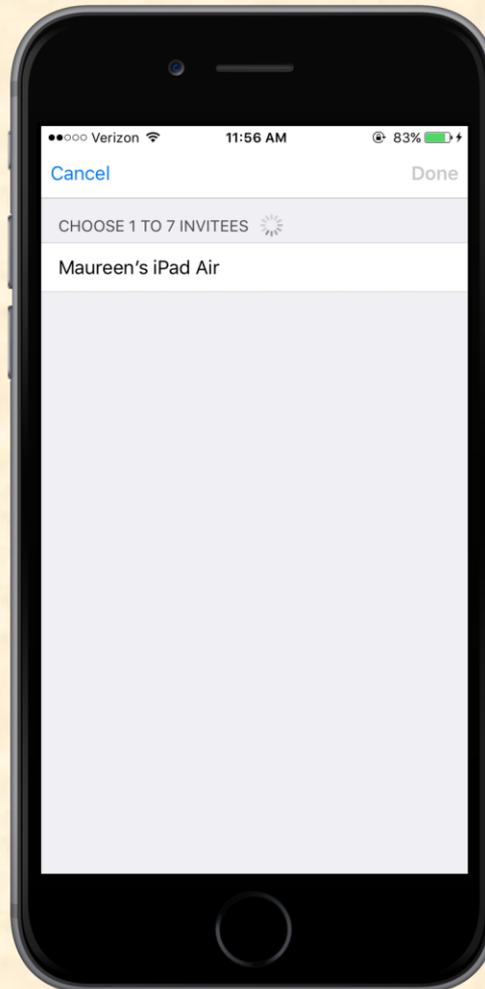
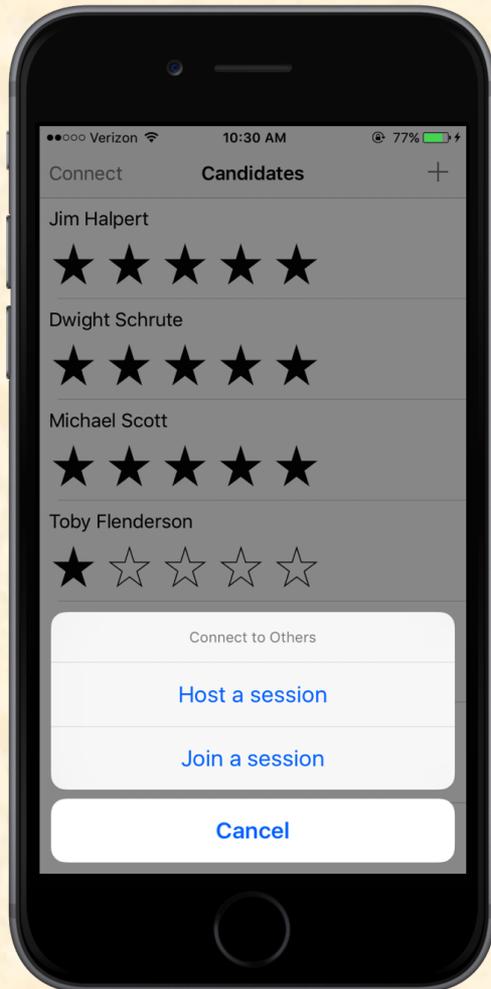
System Architecture



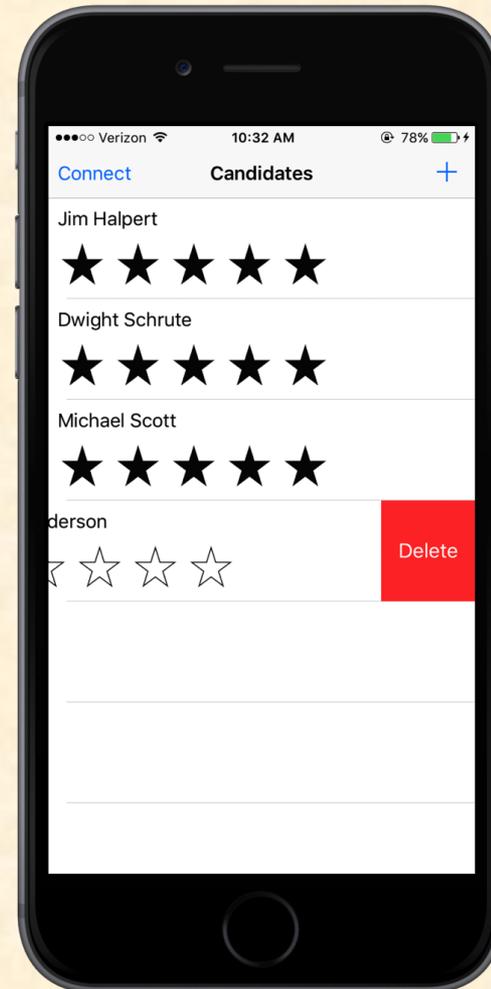
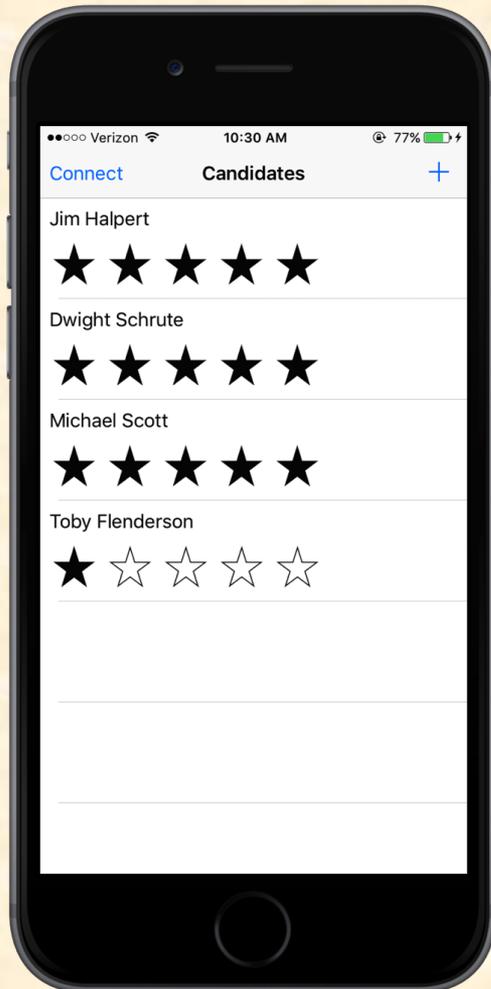
Create Session [iOS]



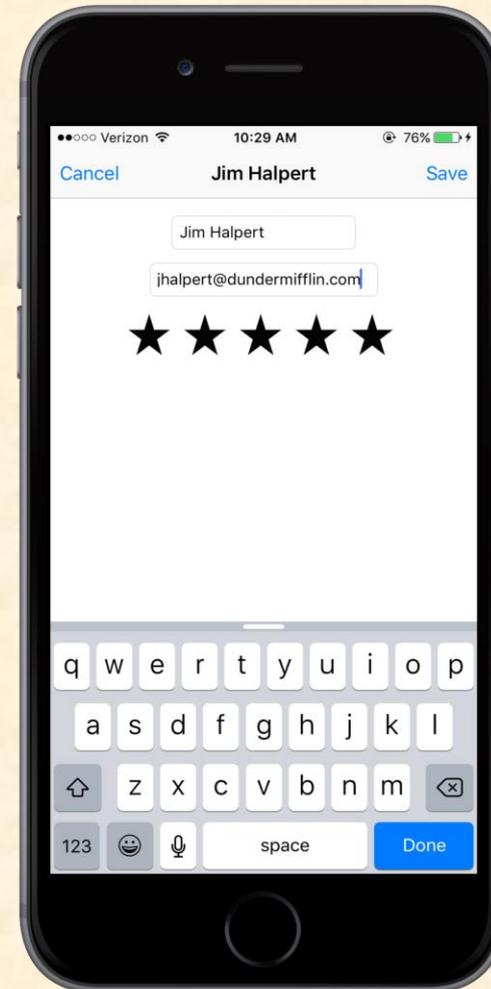
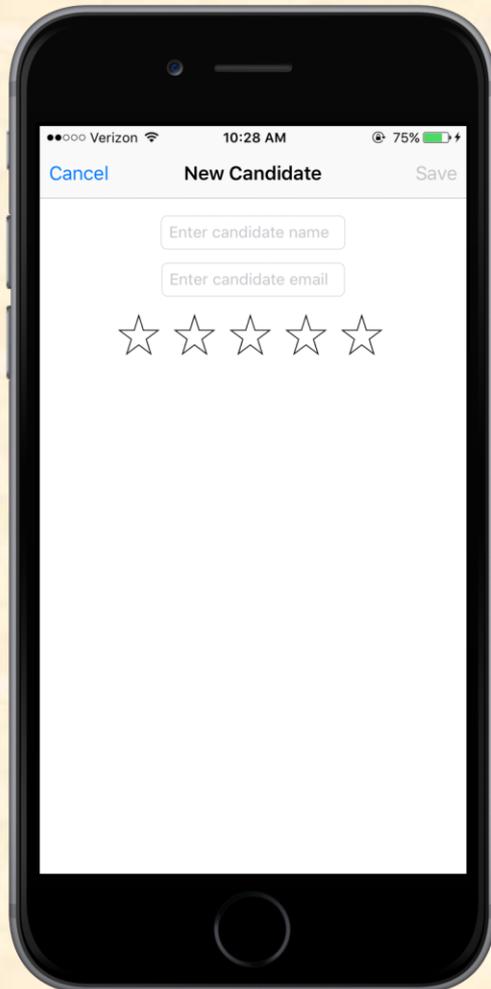
Join Session [iOS]



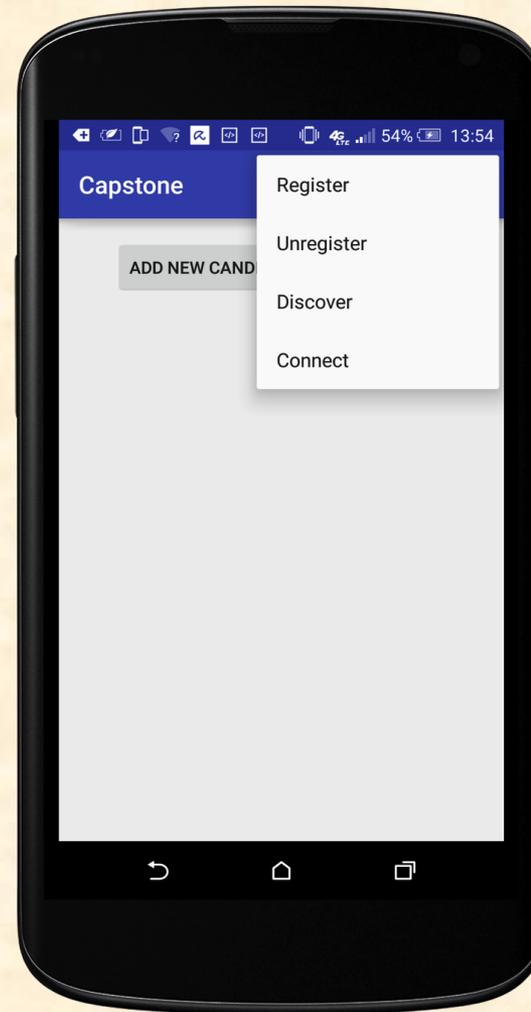
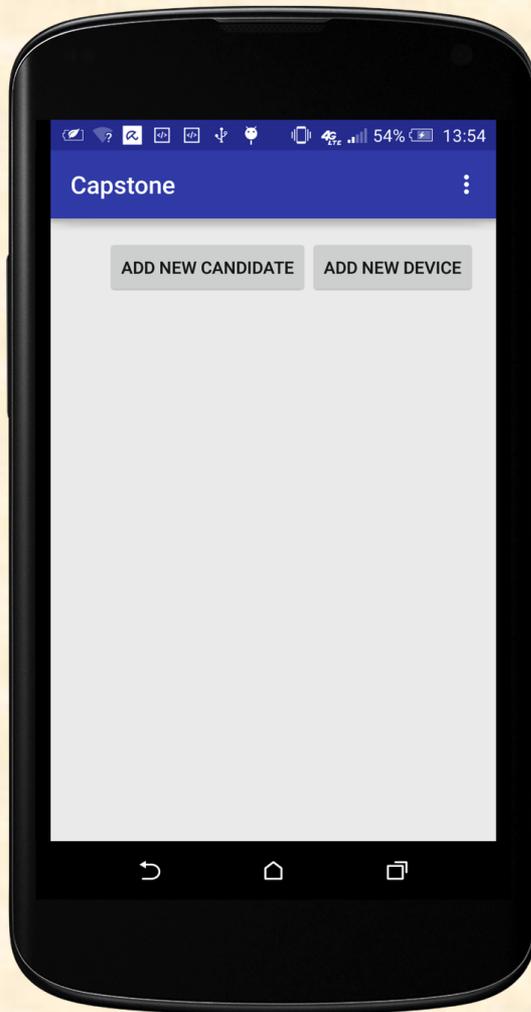
Candidate List [iOS]



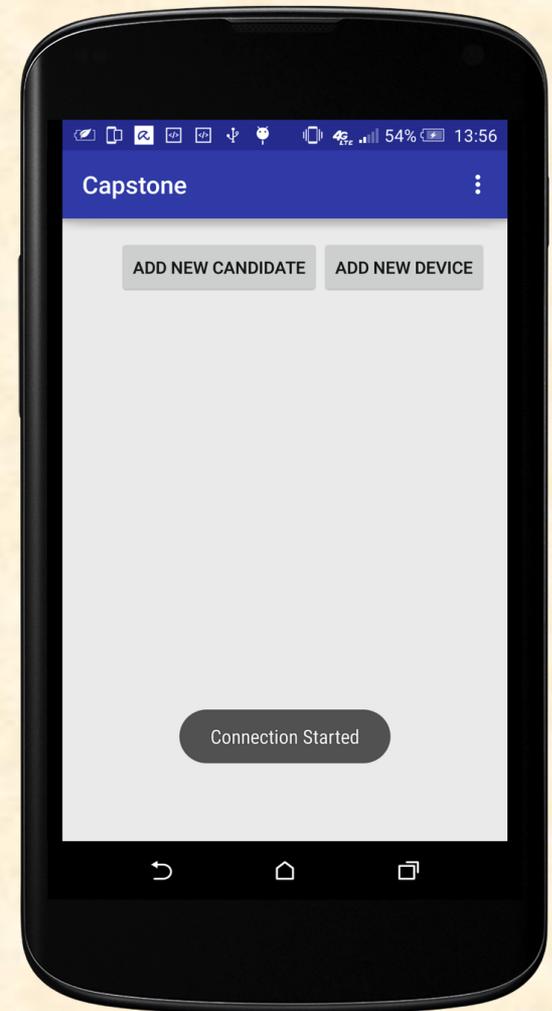
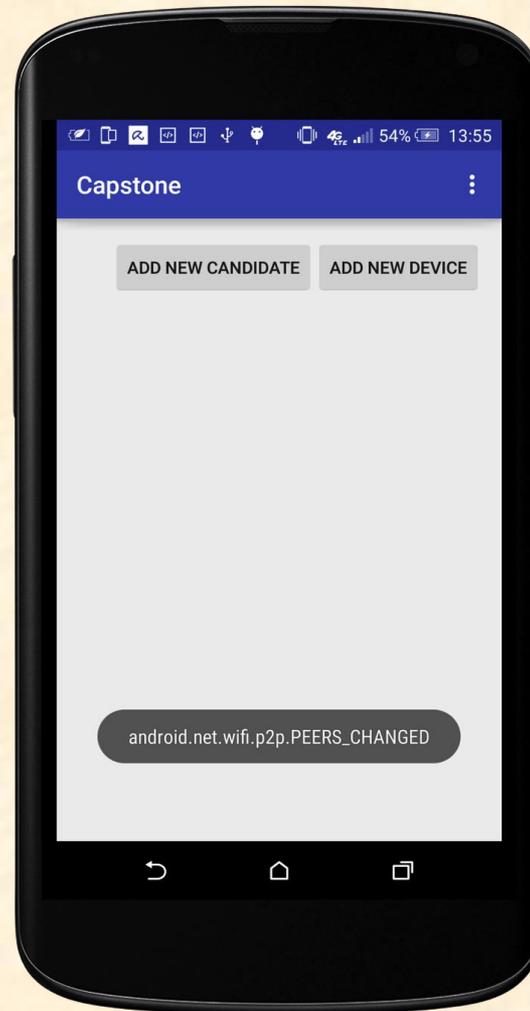
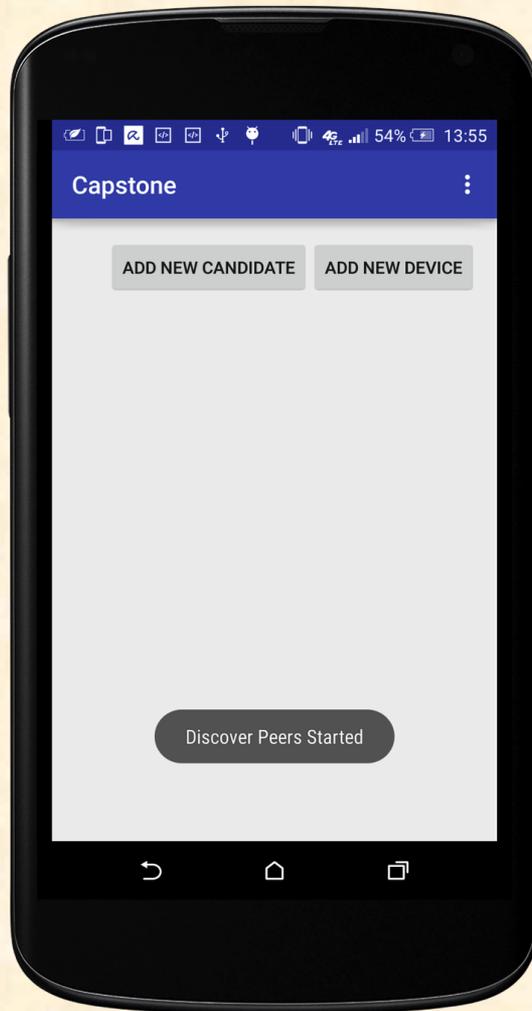
Add/Edit Candidate [iOS]



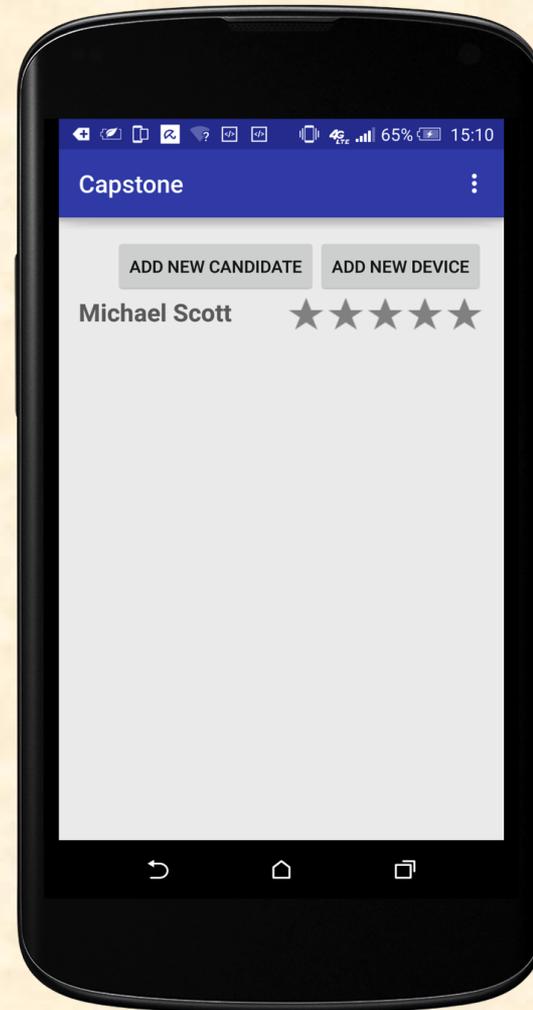
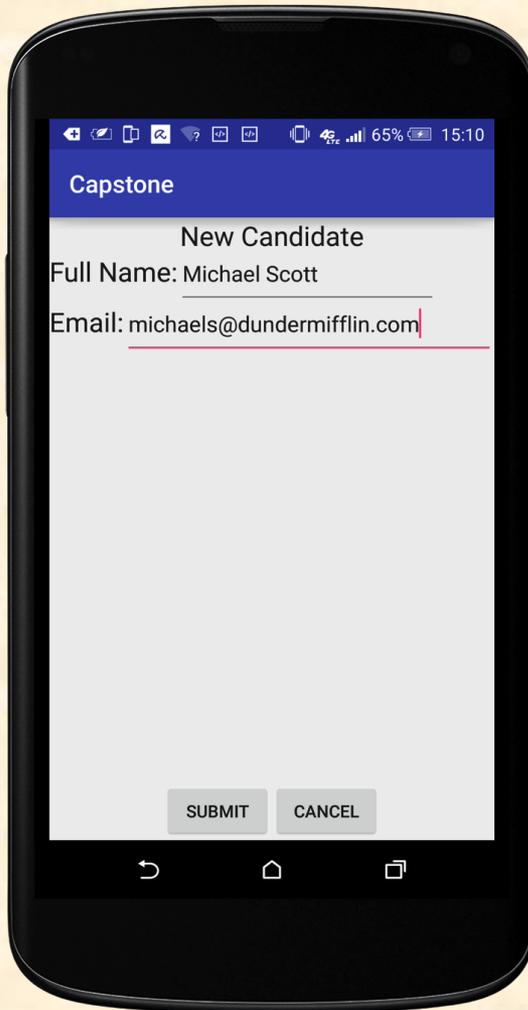
Wifi Direct Options [Android]



Logging Events [Android]



Add/Edit Candidate [Android]



What's left to do?

- Allow for more ambiguous data models
- More testing for user-friendly interface
- Continue work on Android framework
- Package both frameworks for integration into existing Yello apps

