

MICHIGAN STATE
UNIVERSITY

Beta Presentation

Syncing Mobile Data Without Internet
Connectivity

The Capstone Experience

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Spring 2016



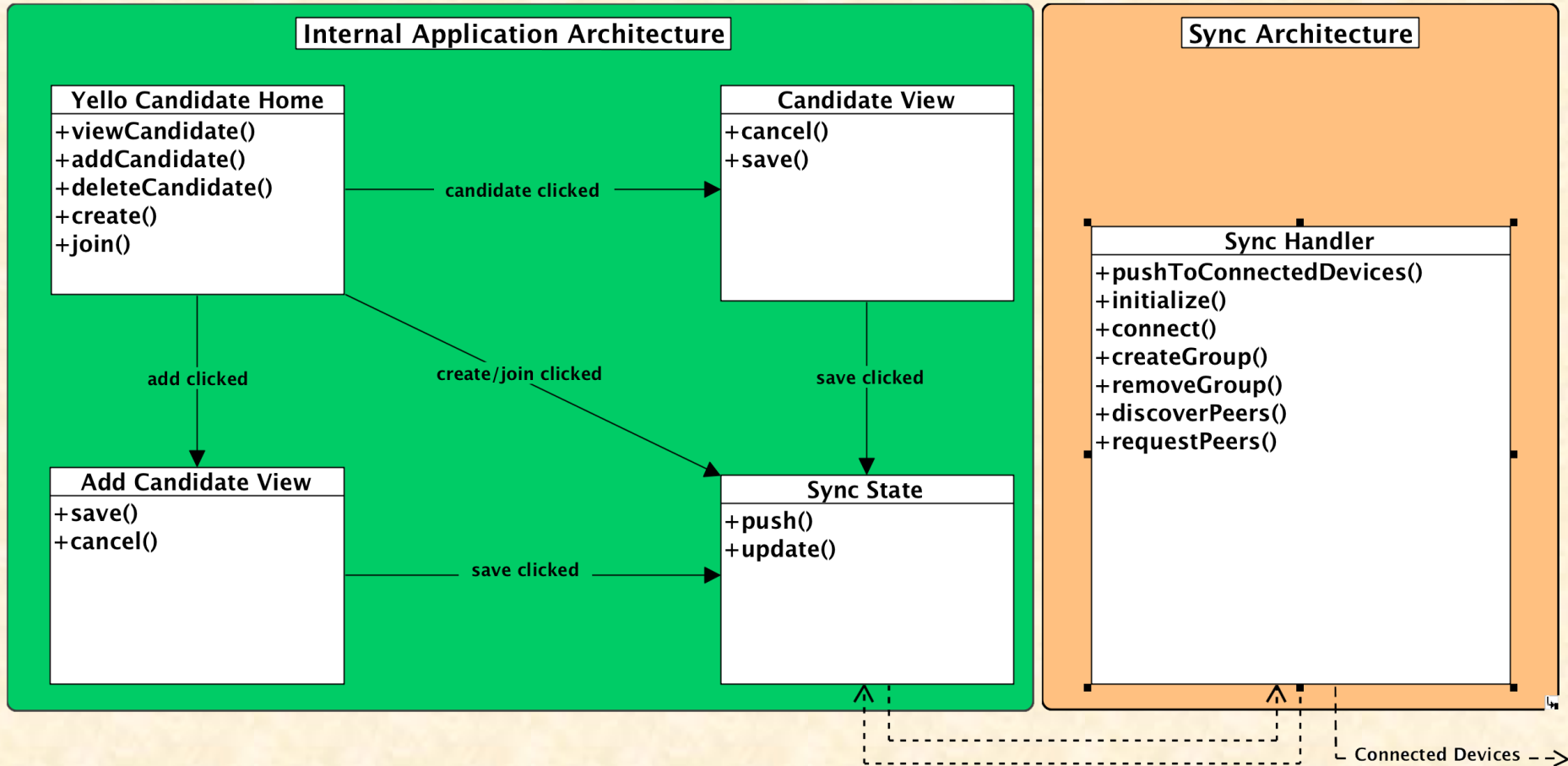
*From Students...
...to Professionals*

Project Overview

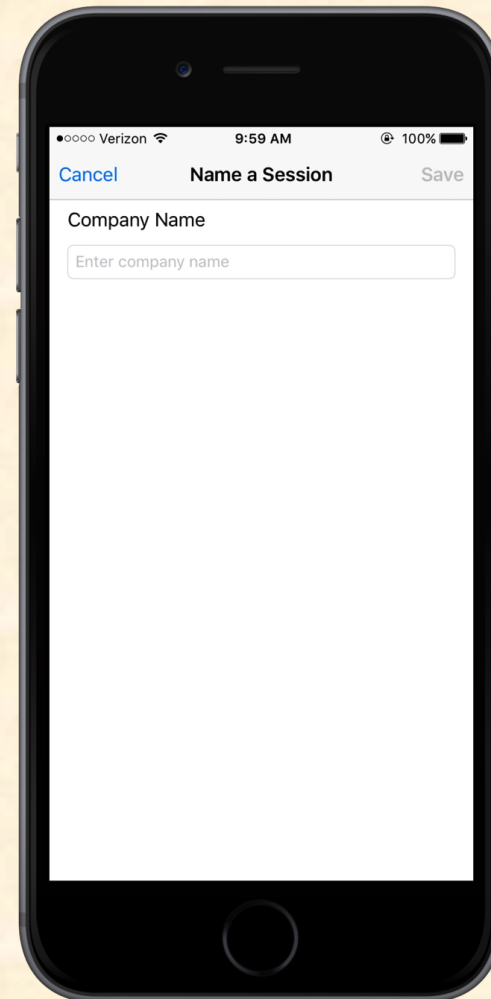
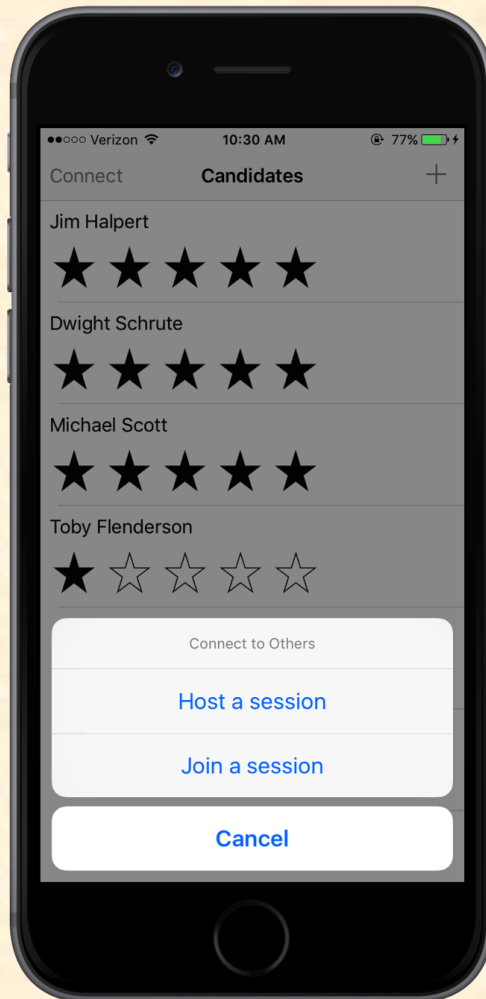
- Create iOS and Android frameworks to transfer data without internet connection
- Create iOS and Android demo apps to demonstrate frameworks
- Use Wi-Fi Direct and Multipeer Connectivity to connect devices without an intermediate access point.



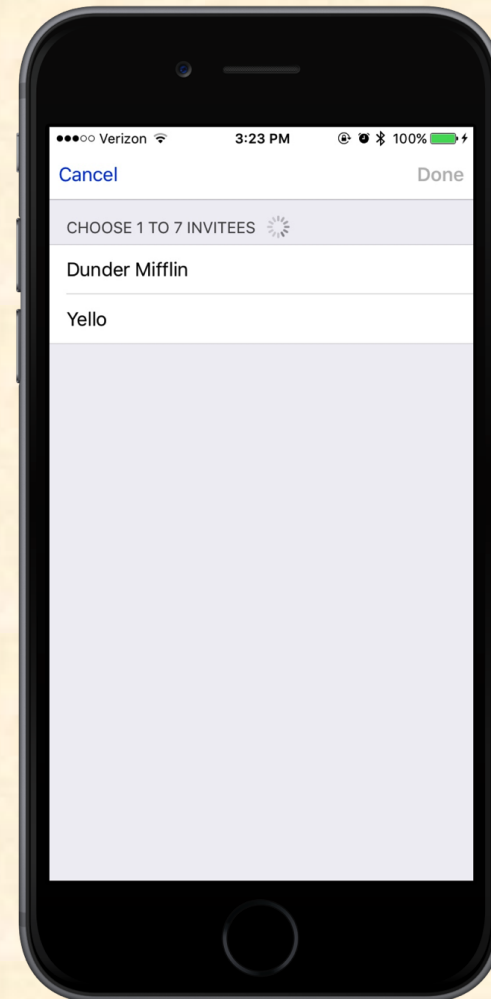
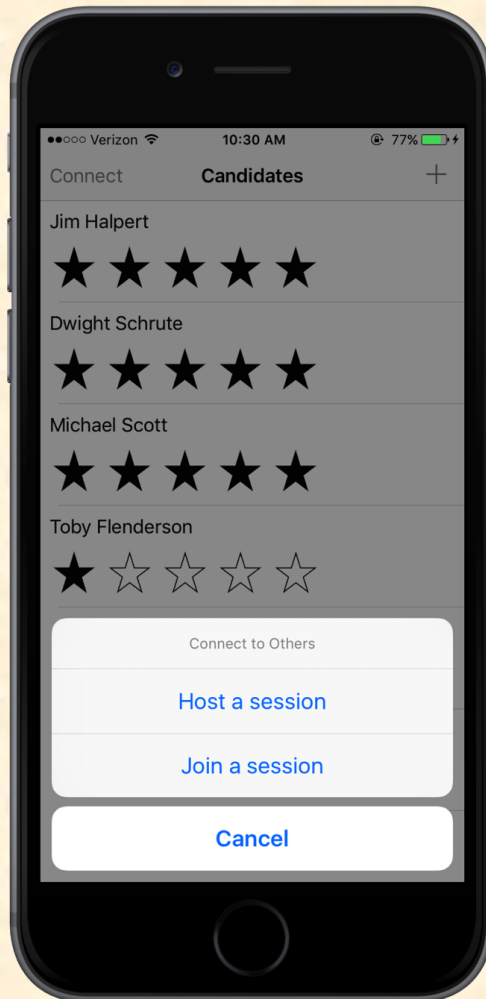
System Architecture



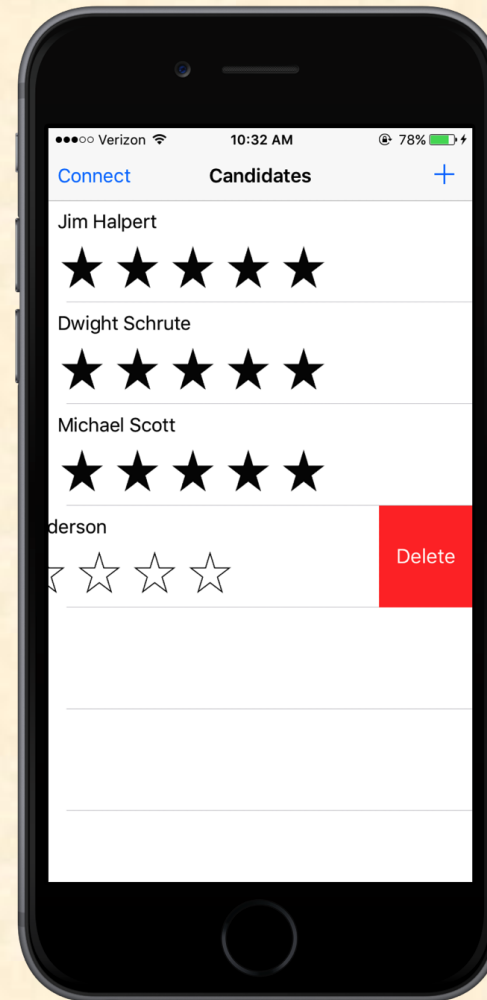
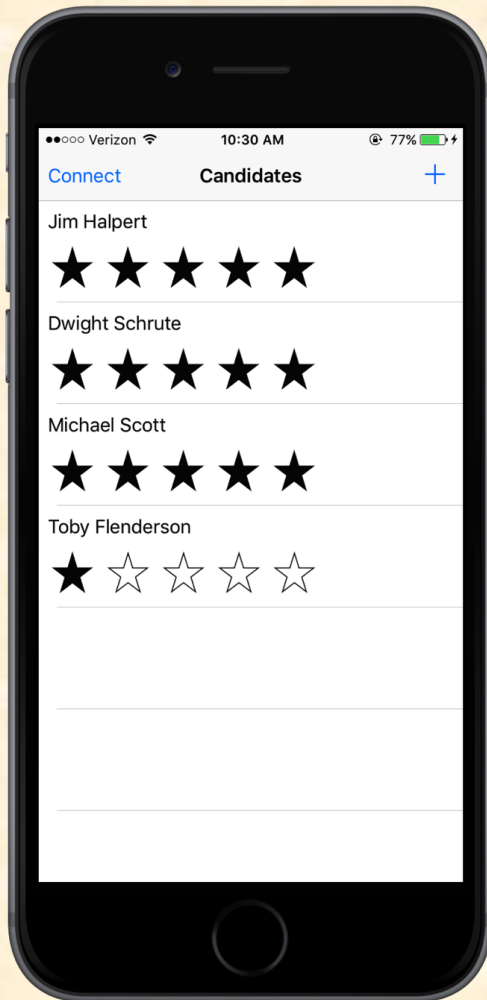
Create Session [iOS]



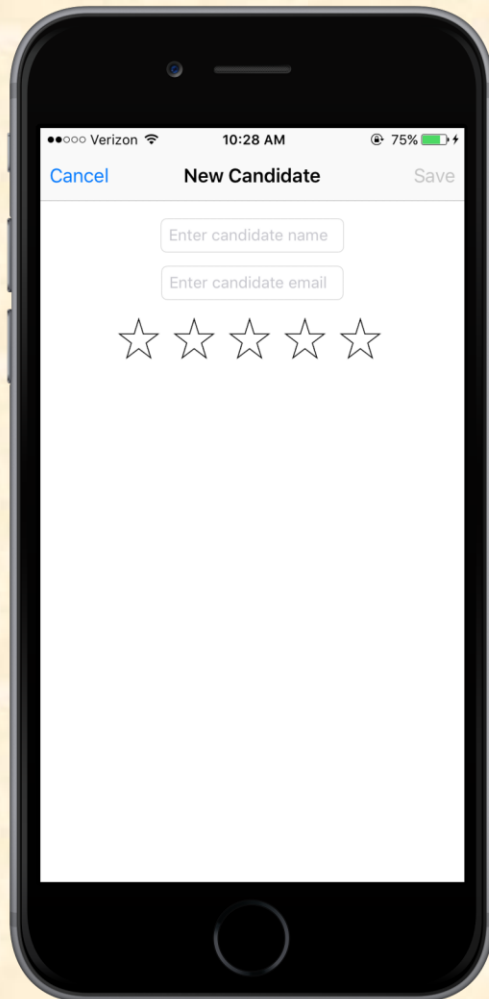
Join Session [iOS]



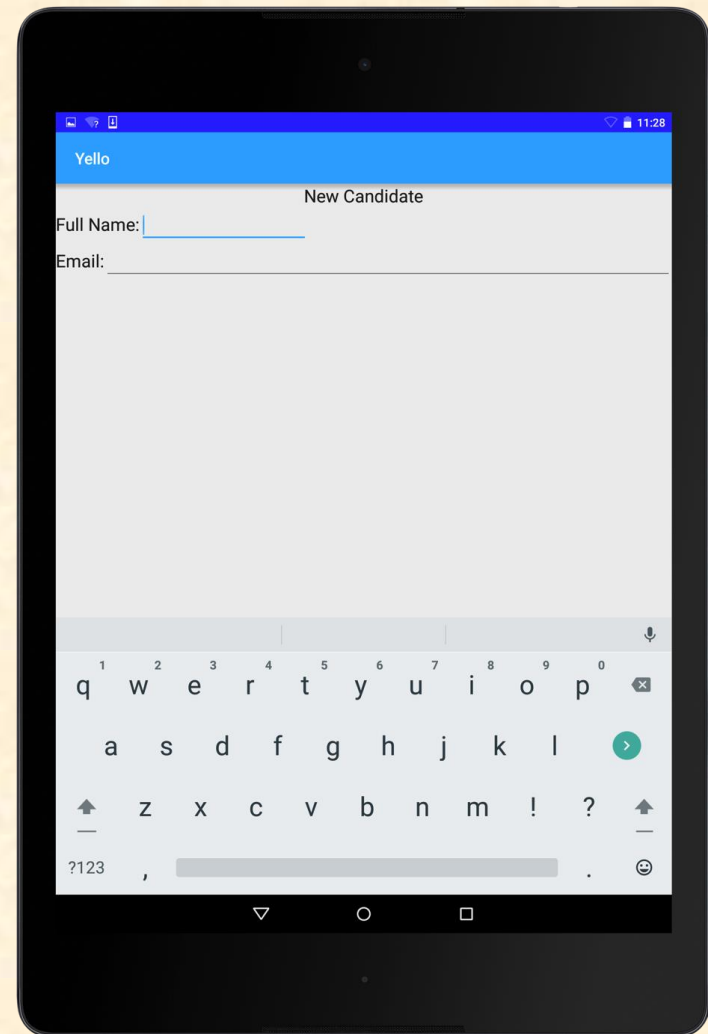
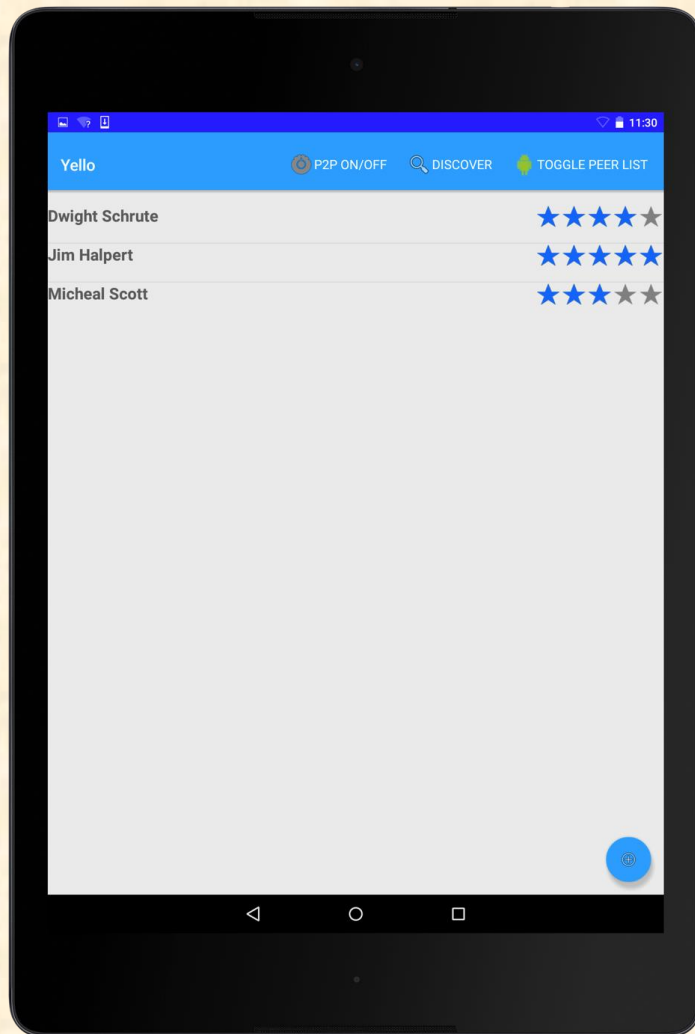
Candidate List [iOS]



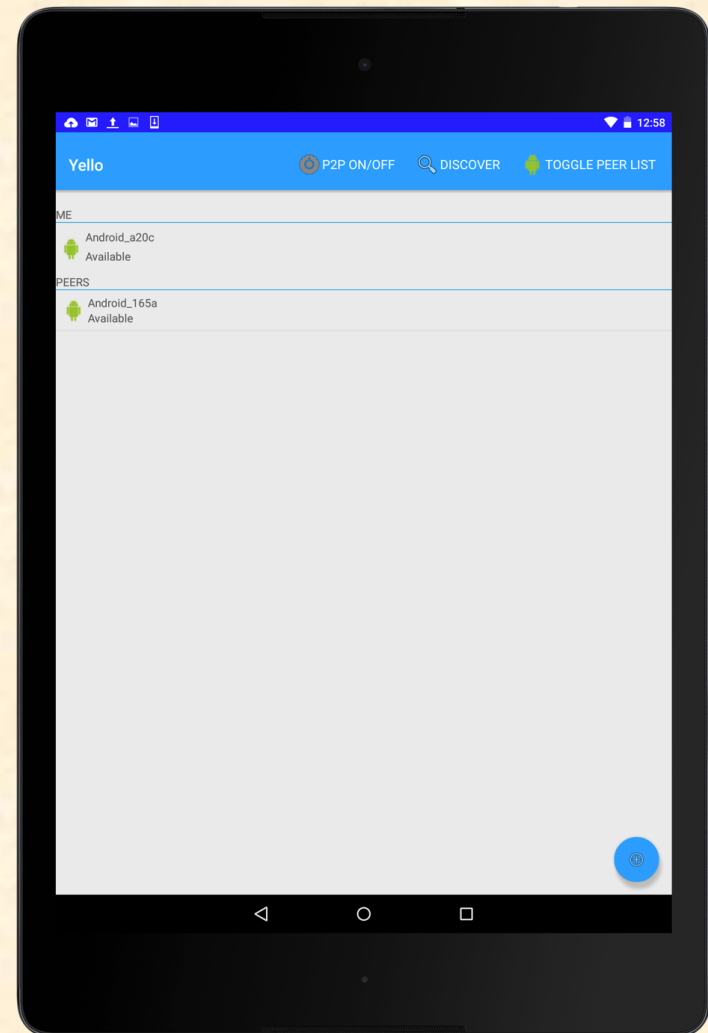
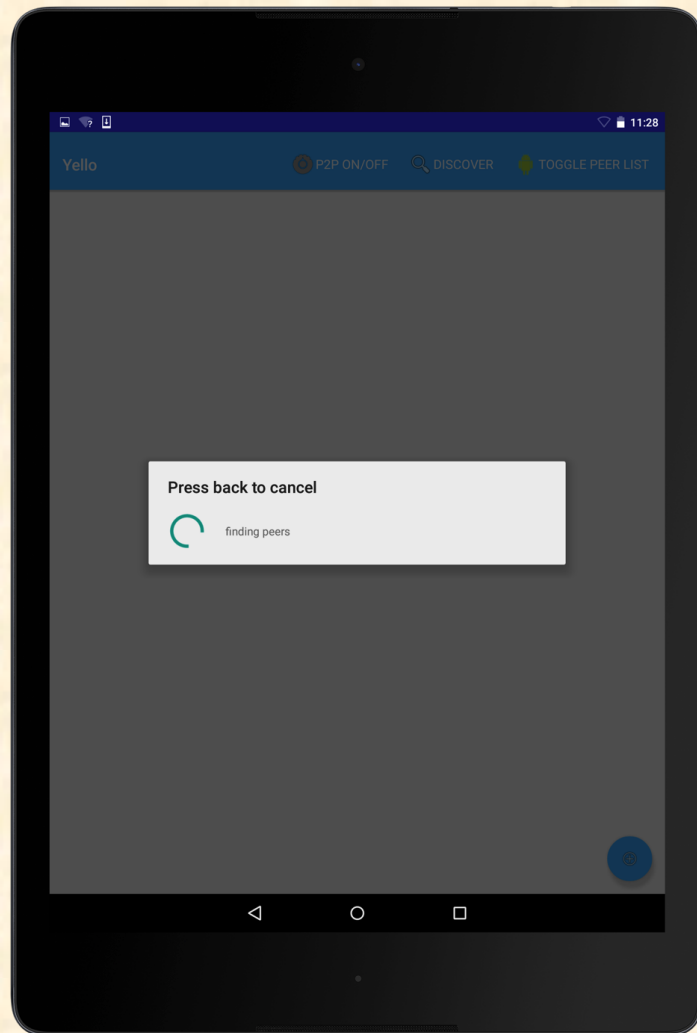
Add/Edit Candidate [iOS]



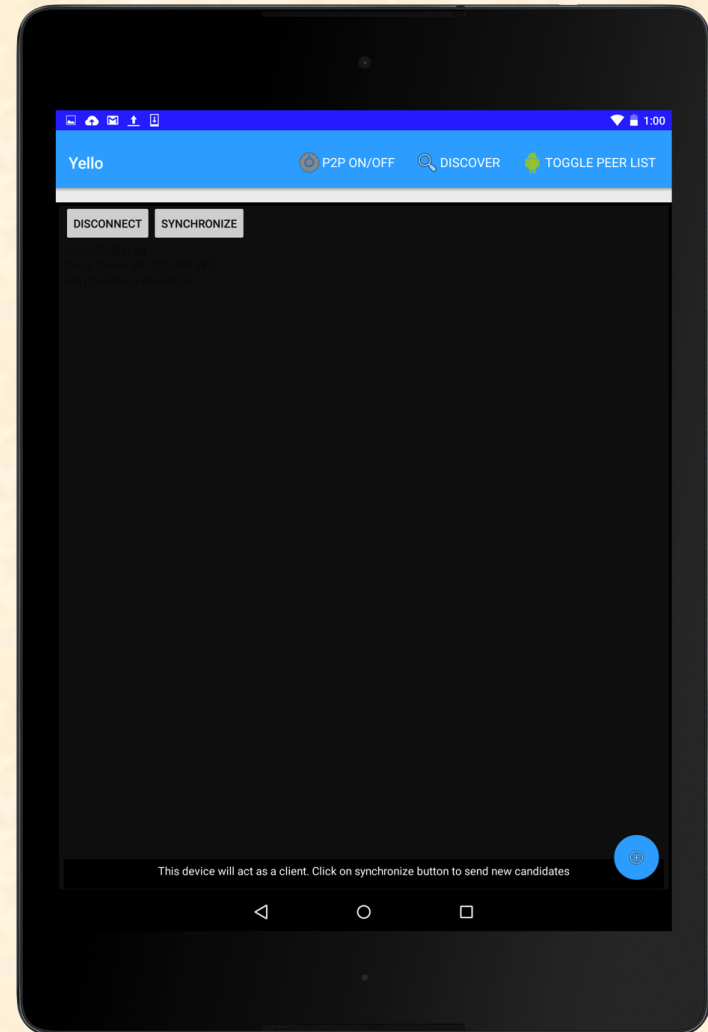
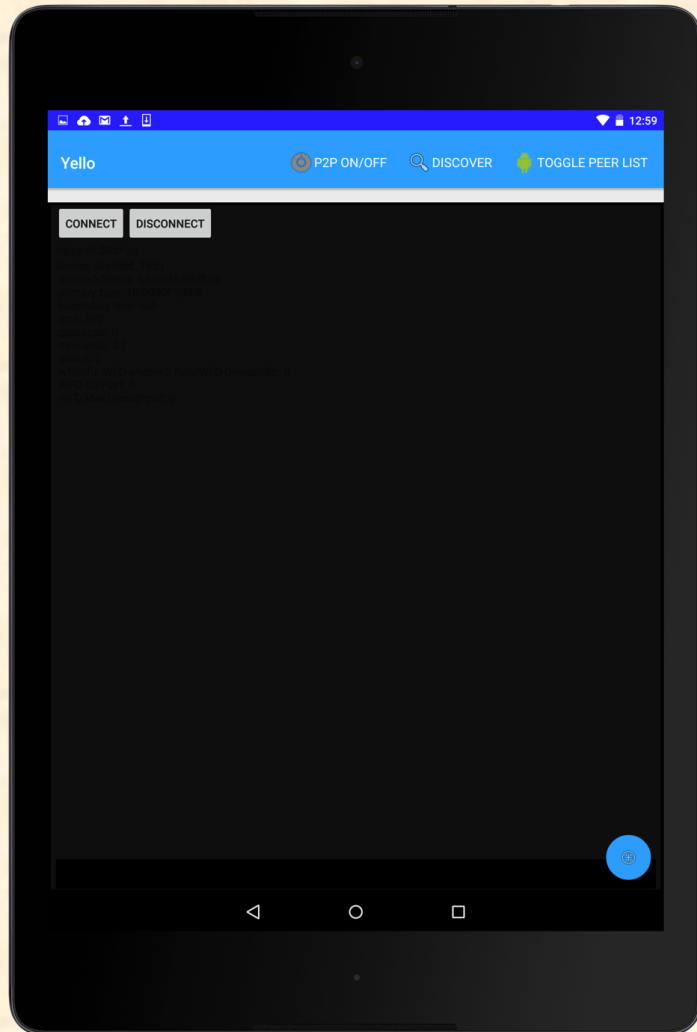
View/Add Candidates [Android]



Discover/View Peers [Android]



Connect/Sync [Android]



What's left to do?

- Finish packaging of iOS and Android frameworks
- Develop documentation for frameworks
- Project Video
- Android session naming
- Clean up android sync process
 - Auto sync

