CheckIn4Me

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What is it?

- Android app for "checking in" on multiple location-based services

  - For the demo in this class - Foursquare and Gowalla

- Targeted user base

  - Users of multiple location-based services

  - Users that have Android phones

  - Users that may want to check-in to the same place on all or some location-based services via one app to save time
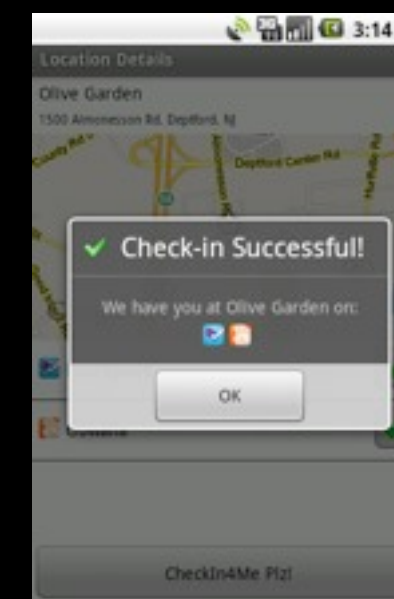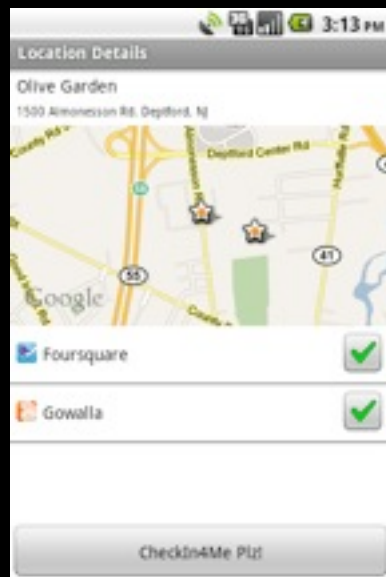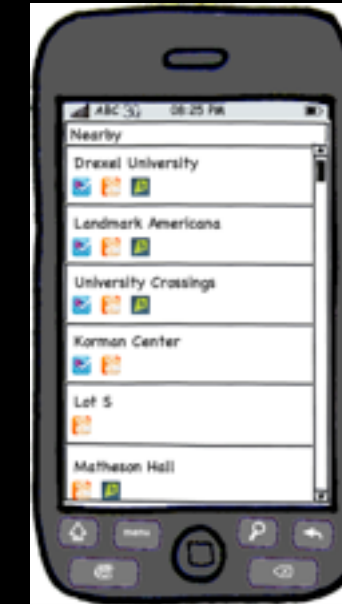
Implementation

- Android SDK for development

  - VM of Android 2.2 with Google APIs (for the map), GPS-enabled

  - Java, XML, Eclipse, ADT Plugin

- OAuth protocol for authentication

  - 1.0 for Foursquare

  - Draft version of 2.0 for Gowalla

Implementation

- Foursquare and Gowalla APIs

    - HTTP Requests / OAuth Requests

    - JSON-encoded Responses

- Git for Revision Control (available at https://github.com/davidivins/CheckIn4Me/)

- Testing

    - Eclipse using the Android VM

    - My Nexus One

Implementation

Additional Details

- Lessons Learned

  - OAuth 1.0 != OAuth 2.0

  - Don't shutdown the Android VM every time you have to test a change

    - SLOW

    - Messes up Logcat

  - Android reuses views like CRAZY

    - If you extend the ListView ArrayAdapter, CLEAR the row before adding to it.

Questions?