



Cleveland Historical Android/iOS Mobile App

Client – Dr. Mark Souther, Erin J Bell (Cleveland Historical)

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Objectives

- Complete redesign of the Android app
- Uniformity between Android and iOS
- Facilitate future updates from non-coders
- Addition of features such as
 - Storing favorite sites by caching data on Wi-Fi
 - Control data download as per user requirements



Solution

- Native Apps for both platforms
- Supported OS versions
 - Android 4.4 and higher
 - iOS 8 and higher

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Alternate Solution

- Hybrid Web Applications
 - An optimized website designed for mobile devices
 - Provides uniformity between devices
 - Loses native application functionality
- PhoneGap
 - Converts a hybrid web app into a native application
 - Allows less technical users to update the application
 - Sacrifices appearance and flexibility given by a native application
- Google Polymer
 - Google's enhanced version of a hybrid web application
 - More customization allows for more native appearance
 - Loses native application functionality

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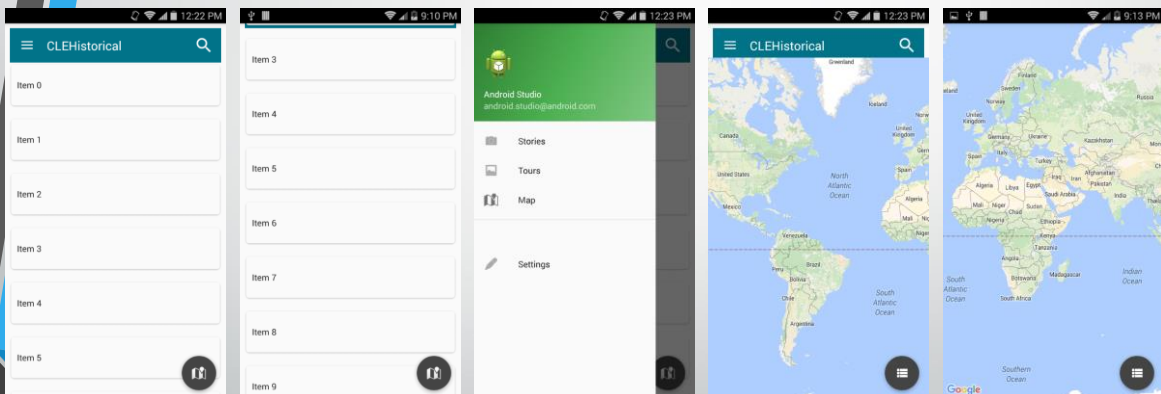
Progress Status

- Android
 - Finalized the layout of the app
 - The design process of the app is almost complete
 - Database connectivity currently in progress
 - The first version of the app will be available by the end of January.
 - Further work will be done in the next semester, along with the iOS app

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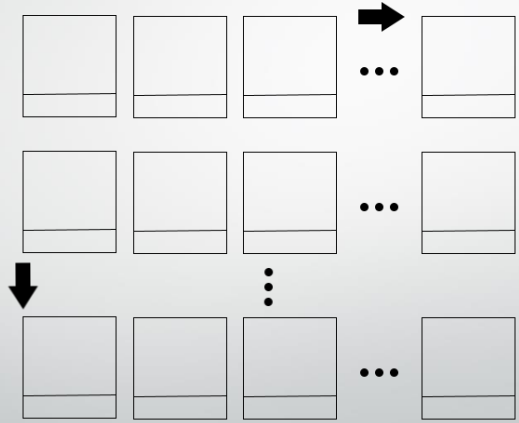
Android Prototype



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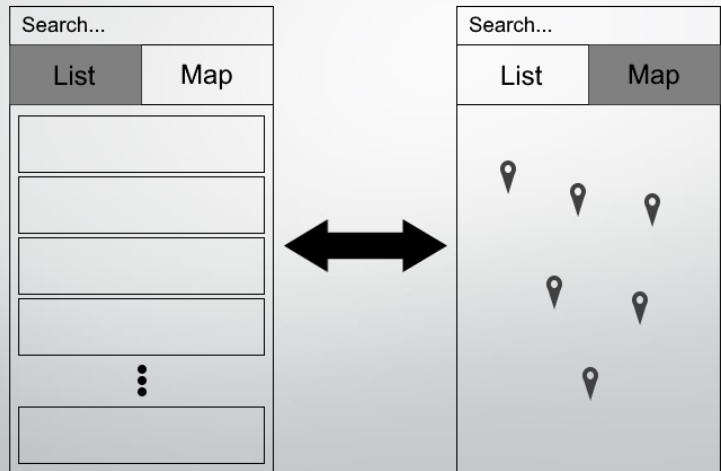
Android Concept Diagram

Tours Page



Android Concept Diagram

Sites Page





Technical Challenges

- Omeka Database
- iOS development language – Objective C/Swift

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iOS App Planning

- iOS
 - Functionality and layout of the app finalized
 - Expected Deadline: April 2016

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Thank You

- Any Questions?