

Hybrid Mobile App Development

Content

- Introduction to Mobile Apps
- Phonegap Introduction
- History
- Architecture
- Introduction to HTML & CSS
- Basics
- Simple website making
- Styling using CSS
- Adding functionalities using jQuery/JavaScript
- Setting up of environment
- Downloading and installing PhoneGap
- Installing PhoneGap in IDE's
- Making hello world
- Introduction and usage of Phonegap Build
- Services
- User Interface Development with jQuery Mobile
- Introduction
- Creating Pages
- GUI making
- Navigation bar, buttons, grids and Other
- Controls
- Persisting data between jQuery Mobile pages
- PhoneGap API
 - Movement and Location
 - Detecting device movement using the
 - accelerometer
 - Obtaining device geolocation sensor information
 - Retrieving map data through
 - geolocation coordinates
 - File System, Storage, and Local
 - Databases
 - Saving a file to device storage
 - Opening a local file from device storage
 - Displaying the contents of a directory
 - Creating a local SQLite database
 - Working with Audio, Images, and Video
 - Recording audio within your application

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- **Playing audio files from the local filesystem**
 - **Capturing video using the devices video recording**
- **application**
 - **Loading a photograph from the devices camera**
- **roll/library**
 - **Working with Your Contacts**
 - **Listing all available contacts**
 - **Displaying contact information for a**
 - **specific individual**
 - **Creating and saving a new contact**
 - **Work with Native Events**
 - **Pausing your application**
 - **Resuming your application**
 - **Displaying the status of the device**
 - **battery levels**
 - **Displaying network connection status**
- **Extending PhoneGap with Plugins**
 - **Extending your Cordova application with a native plugin**
 - **Extending your Cordova iOS application with a native plugin**
 - **The plugin repository**
- **Deploying and testing**
 - **Compiling it to APK files**
 - **Exporting to android device**
 - **Testing app on Emulator**
 - **Testing app on Device**
- **App Store Submission**
 - **Signing Android applications**
 - **Submitting the app to Google Play Store**

3

Days

**work shop on Hybrid/Cross
platform Mobile application development using**

HTML5, CSS3 & JavaScript

From Basic to Development Series