

# Multiplatform Mobile App Development with Web Technologies

## Course Overview

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# Course Outline

- Ionic Framework
- Cordova:
  - Cordova Plugins
  - ngCordova Wrappers

# Module 1: Hybrid Mobile App Development Frameworks: An Introduction

- Full Stack Web Development: The Big Picture
- Hybrid Mobile App Development: An Overview
- Ionic and AngularJS
- Exploring Ionic Framework
- Assignment 1

# Module 2: More Ionic CSS and JavaScript

- Ionic Forms and Modals
- Ionic Lists: Advanced Features
- Popups, Popovers, Action Sheets, Loading and Gestures
- Assignment 2

## Module 3: Deploying your App

- Angular ui-router and Resolve
- Using Local Storage
- Installing Android and iOS SDK and Platforms
- Ionic Adding Platforms, Building and Deploying the App
- Assignment 3

# Module 4: Accessing Native Capabilities of Devices: Cordova and ngCordova

- Introduction to Cordova and ngCordova
- Notifying the User
- Using the Cordova Camera Plugin
- Hybrid Mobile Development and IBM BlueMix  
(Guest Lecture by Mr. Raymond Camden)
- Assignment 4