MobileFirst development in Cordova applications

Overview

From http://cordova.apache.org/ (http://cordova.apache.org/):

> Apache Cordova is an open-source mobile development framework. It allows you to use standard web technologies such as HTML5, CSS3, and JavaScript for cross-platform development, avoiding each mobile platforms' native development language. Applications execute within wrappers targeted to each platform, and rely on standards-compliant API bindings to access each device's sensors, data, and network status.

IBM MobileFirst Platform Foundation provides an SDK in the form of a standard Cordova plug-in.

> Learn how to Add the MobileFirst Platform Foundation SDK to Cordova applications (../../adding-the-mfpf-sdk/adding-the-mfpf-sdk-to-cordova-applications).

The MobileFirst SDK feature set provides the following:

- Use MobileFirst `ResourceRequest` API to retrieve data from backend systems
- Protect applications using the MobileFirst SecurityChecks and other security features such as Application Authentcity Protection
- Ability to navigate and share data between web and native views and/or call Native code using the MobileFirst `SendAction` API
- Update an application's web resources using Direct Update
- And more...

> For a complete list of MobileFirst SDK abilities visit the user documentation (http://www-01.ibm.com/support/knowledgecenter/SSHS8R_8.0.0/wl_welcome.html).

Application development

Cordova applications can be further enhanced using Cordova plug-ins for adding UI elements such as dialogs, tabbars, spinners and the like as well as more advanced functionalities such as Geolocation and more. You can find Cordova plug-ins in the official Cordova plug-ins repository (https://cordova.apache.org/plugins/), as well as on GitHub.com (https://github.com) and in popular Cordova blog, such as Plugreg (http://plugreg.com/).

Example plug-ins:

- cordova-plugin-dialogs (https://www.npmjs.com/package/cordova-plugin-dialogs)
- cordova-plug-inprogress-indicator (https://www.npmjs.com/package/cordova-plugin-progress-indicator)
- cordova-plugin-statusbar (https://www.npmjs.com/package/cordova-plugin-statusbar)

Cordova application development can be further enhanced by using frameworks such as Ionic (http://ionicframework.com/), AngularJS (https://angularjs.org/), jQuery Mobile (http://jquerymobile.com/), Backbone (http://backbonejs.org/) and others.

> To get started with Cordova applications visit Cordova's Get Started website (https://cordova.apache.org/#getstarted).

Tutorials to follow next

Get started by adding the MobileFirst SDK to your Cordova application (../../adding-the-mfpf-sdk/adding-the-mfpf-sdk-to-cordova-applications), and review MobileFirst-provided features in the All Tutorials (../../all-tutorials/) section.