TACO Finance: Adding the Offline Provider

TACO Finance App Recipe Workshop Lesson 4

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# Introduction

[Ionic](http://www.ionicframework.com) is a popular front-end JavaScript framework for building cross-platform mobile apps using [Apache Cordova](http://cordova.io). Cordova provides developers with the ability to build native mobile apps using HTML, JavaScript, and CSS, plus access to native APIs from the web application’s JavaScript code. Ionic gives Cordova applications a platform-aware user interface and manages most interaction with the application user.

You can develop and build Cordova and Ionic applications using your web application editor of choice and the command-line interfaces (CLI) provided by both Cordova and Ionic, but Microsoft Studio coupled with Visual Studio Tools for Apache Cordova (TACO) provides developers with a streamlined way to create, code, test and debug applications for Android, iOS and Windows, all from a single IDE.

In this lesson, you’ll start building the TACO Finance application using Visual Studio. In subsequent lessons, you’ll add more sophisticated capabilities to the application.

# Requirements

To manage Ionic 2 application projects using Visual Studio, you will need to install the following:

* Visual Studio 2017 – Download the IDE at <http://go.microsoft.com/fwlink/?LinkID=533794>.
* Visual Studio Tools for Apache Cordova (TACO) – Install TACO using the Visual Studio Installer; learn more at <https://taco.visualstudio.com/en-us/docs/vs-taco-2017-install>.
* Visual Studio Ionic 2 Templates (described below).
* Ionic Template dependencies (described below).
* [Google Chrome browser](https://www.google.com/chrome/browser/desktop/index.html) (used by Visual Studio’s Simulate in Browser option).
* Completed Lesson 2: Creating the TACO Finance Application
* Completed Lesson 4: Adding the Online Provider

# The Offline Provider

# Implementation

Complete the following steps:

1. Update the Settings page with settings for Offline mode
2. Add the ClientDataOffline provider to the application using the Ionic CLI
3. Populate the ClientDataOffline provider with code