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# SharePoint 2013: Use multiple SharePoint lists in a Windows Phone app (sample 2)

This documentation is preliminary and is subject to change.

Summary:  Create Windows Phone apps that use data from multiple SharePoint lists.

You can use multiple SharePoint lists in your app in several ways. When you create a Windows Phone app that is based on the Windows Phone SharePoint List Application template, you specify a single target SharePoint list, but the architecture of the resulting project is extensible enough to accommodate multiple lists.

## Description of the sample

You can use the Windows Phone SharePoint List Application template to create a Windows Phone app project in a Visual Studio 2010 solution that is based on a given SharePoint list, and then add to that solution projects that are based on other lists. This approach allows you to use the template for generating forms that are specific to each SharePoint list. You can then customize the solution to control how users interact with the lists. The procedures in this code sample demonstrate that approach.

## Prerequisites

This sample requires the following:

* Visual Studio 2010 Express with the new SharePoint templates
* An installation of SharePoint 2013 Preview with administrative privileges

## Key components of the sample

The sample contains the following:

* CustomersSPListApp project, which contains the two projects. CustomersSPListApp and OrdersSPListApp.
* App.xaml.cs file is autogenerated by the Windows Phone SharePoint List Application template. The App.xaml file represents the overall Windows app. The associated code-behind file, App.xaml.cs, includes procedural code to handle life-cycle events for the app. The App.xaml.cs file contains references to SharePoint Server and the list title

## Configure the sample

In this sample code, the OrdersSPListApp project is a lookup project in CustomersSPListApp solution. You have to make four changes in the solution to configure it for your SharePoint list.

* In the app.xaml.cs of the CustomersSPListApp project, you need to update the URL and title of the customers list.
* Update the value of TargetSiteUrl with the URL of the home page of your SharePoint website.
* Update the value of TargetListTitle with Customers.
* In the app.xaml.cs of OrderSPListApp project, you need to update the URL and title of the orders list.
* Update the value of TargetSiteUrl with the URL of the home page of your SharePoint website.
* Update the value of TargetListTitle with Orders.

## Run and test the sample

1. Choose the F5 key to build and run the app.

## Troubleshooting

The following table lists common configuration and environment errors that prevent the sample from running or deploying properly and how to solve them.

| Problem | Solution |
| --- | --- |
| While running the SharePoint List wizard from Visual Studio 2010 Express, an error may occur if developer does not have sufficient privilege on SharePoint site. | Give sufficient privilege to the user account with which developer is running the wizard. |
| Form-based authentication error. | Form-based authentication is not enabled by default. To enable basic form-based authentication for the web application, follow these steps.   * Navigate to Central Administration and ensure you have administrator rights on the server. * Under Application Management, choose Manage Web Applications. * Choose your web application (on which you have your SharePoint site, which you are accessing from your mobile app). * From the ribbon, choose Authentication Providers. * In the Authentication Provider dialog box, choose Default to edit the authentication. * In the Edit Authentication Model window under Claims Authentication Types, choose Basic Authentication. |

## Change log

| Version | Date |
| --- | --- |
| First version | July 16, 2012 |

## Related content

* **How to: Use multiple SharePoint 2013 lists in a Windows Phone app**
* **How to: Create a Windows Phone SharePoint 2013 list app**
* **Overview of Windows Phone SharePoint 2013 application templates in Visual Studio**