# Employee Directory sample

This sample demonstrates how to create a search-based app that will query people content in SharePoint 2013. The app presents a tabbed A though Z interface. When a lettered tab is clicked, a search is performed by last name and the results are displayed along with contact information.

## Description of the sample

This sample make use of the RESTful endpoint to perform a search against the people content source. The search queries for people by last name beginning with the letter selected. The results are displayed in alphabetical order along with contact information.

## Prerequisites

This sample requires the following;

A SharePoint 2013 development environment.

Visual Studio 2012 and Office 2013 Tools for Visual Studio 2012.

The User Profile Service Application properly set up and configured

The Search Service Application properly set up and configured

## Key components of the sample

The sample is a SharePoint-hosted app written entirely in JavaScript. The app is structured using the Model – View-ViewModel (MVVM) architecture with the knockout-2.1.0.js providing support for binding elements to the web page. The jQuery library is used extensively to perform REST calls.

The key code for the sample can be found in the library ContactViewModel.js located in the Scripts/ViewModels folder. The view model contains a load function that performs the search query.

The App.js library contains the start-up code for the app.

The ToolbarViewModel.js library contains the code to respond to a user clicking on one of the lettered tabs.

## Configure the sample

The app requires that the Managed Property “LastName” be designated as Sortable. Follow these steps to configure the Managed Property in the Search Service Application.

1. Open Central Administration
2. Click Manage Service Applications
3. Click Search Service Application
4. Click Search Schema
5. Type “LastName” into the Managed Property Search Box and search
6. Click on the LastName Managed Property
7. Set the Sortable property to “Yes – Active”
8. Click OK.
9. Perform a Full Crawl.

## Run and test the sample

1. Open the EmployeeDirectory.sln solution in Visual Studio 2012.
2. Edit the Site URL property to refer to a test site where you will deploy the solution.
3. Press F5.
4. When prompted, grant permissions for the app to use the search service.
5. When the app appears, click on a letter and verify that results populate.

## Troubleshooting

If the app throws an error, the most likely cause is that the LastName Managed property is not properly configured to allow sorting.

## Change log

First release April 3, 2013

## Related content

SharePoint 2013 REST Interface

SharePoint 2013 Search