Ajax

In this assignment, you will add more interactivity to the list you made in the last exercise, by using AJAX. The list's items should be dynamically removable and editable, without page refreshes, and you should also be able to filter and sort the list without reloading the page.

Required Features:

• Add an "Edit" button to each tile element.
 When clicked, it should replace the tile with a similar tile that has input fields where the normal one has information.
 When the "Submit" button on this new tile is pressed, the new data should replace the old, and the form tile turned back into a display tile.
• Make the filtering options and the "delete" button on each list item update the list without refreshing the whole page.

Optional:

• Make the page only display the first 10 items in the list, and add buttons that show the next or previous 10 items when you press them.

Code Requirements:

• Use Bind to load the data as an instance of the person object class.
• Use the ModelState to ensure that the model is valid. If it is not, it should not allow the update of the list.
• Use the Ajax helpers to change the tiles – Ajax.ActionLink to bring up the form, delete list items and apply filtering, and use Ajax.BeginForm to send in the information that edits and creates a list item.

Resources:

• https://app.pluralsight.com/library/courses/mvc4-building
  • Specifically, the chapter named "AJAX and ASP.NET MVC"
• http://eliot-jones.com/2014/09/mvc-ajax
• You will need to install the Unobtrusive AJAX jQuery plugin in order to properly use AJAX links and forms. A NuGet package containing this plugin can be found in the package manager.