Creating Forms Over Data Pages

Paul D. Sheriff
PSheriff@pdsa.com
www.PDSAServices.com

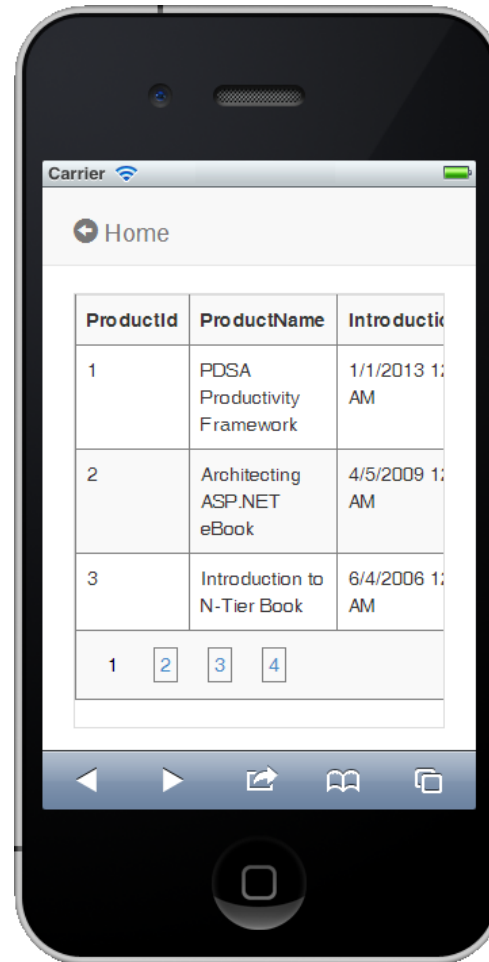# Reasons to Watch This Video

- **Layouts for GridView control**

- **GridView and DetailView controls**

- **Alternate layout for GridView**

- **Input forms**

- **Using the Repeater control**

- **Detect device size**
  - Change layout based on device
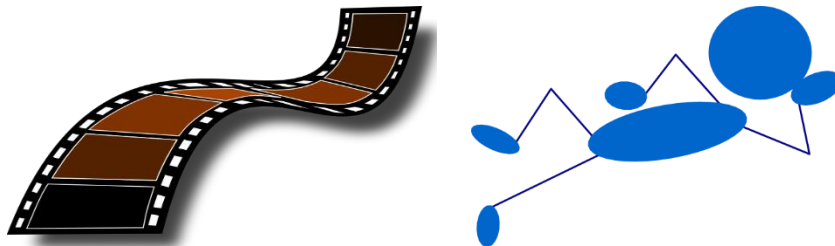
GridView Control

- **Generates <table>**

- **Wrap in 'table-responsive'**
  - Better mobile experience
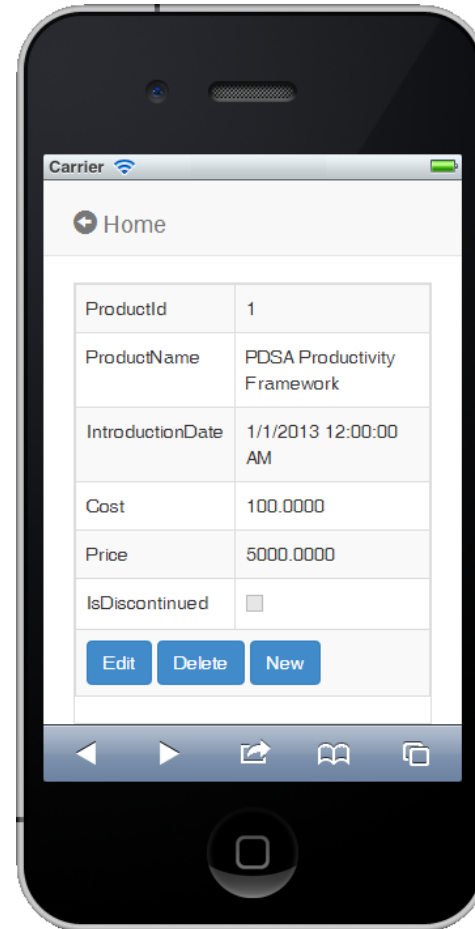 - Helps with horizontal scrolling

- **Modify pager for small devices**

Demo

- **Normal GridView Control**

GridView - DetailView

- **Connect GridView to DetailView**

- **DetailView is a <table>**
  - Add same bootstrap classes

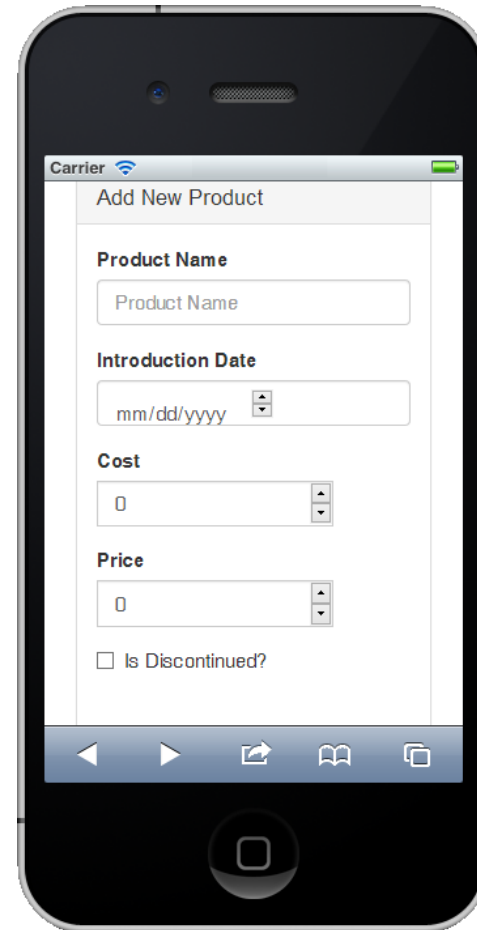- **jQuery selector to change <a> tags used for Edit, Delete, New**

Demo

- **Adding a DetailView**

GridView With Input

- **Need an input form for data entry**

- **Use bootstrap panel classes**

- **Add anchor tag in grid to select a record**

- **Add an "Add Product" button**
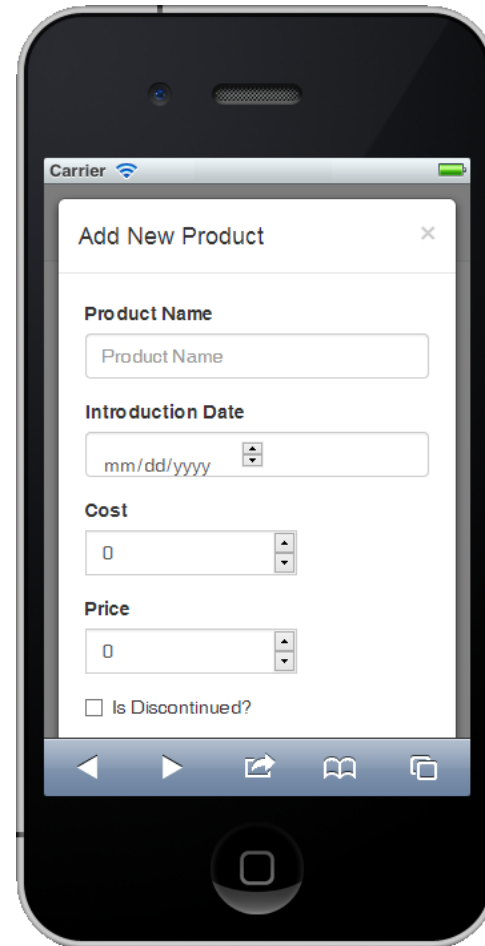
Demo

- **Input form**

Input Form Code

- **There is some code for an input form**

- **jQuery**

- **JavaScript**

- **C# in the code-behind**

- **Add a new Product uses JavaScript/jQuery**

- **Editing a Product uses C#/JavaScript/jQuery**
  - Emit JavaScript/jQuery from code behind

- **Saving a Product uses C#**

Demo

- **Input form code**

GridView With Modal Input

- **Similar to input form**

- **Use modal dialog instead**

- **Use bootstrap modal classes**
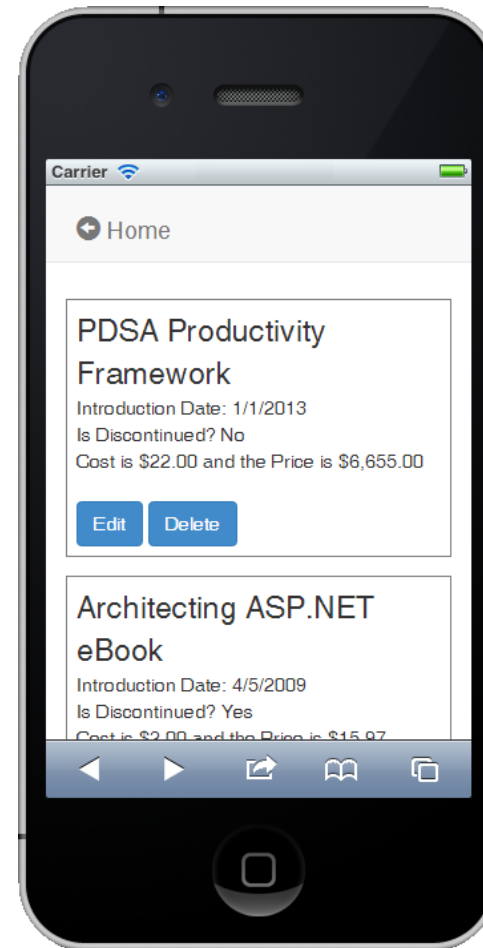
- **Add data-toggle="modal"**

- **Modal Input form**

Problems With Tables

- **Too much horizontal scrolling**
  - Hard on mobile devices

- **Too much information that looks the same**
  - User's eye can be overwhelmed by that much data

- **Hard to select an individual row**

- **Can't distinguish what is important from what is not**

- **Editing in a table is not ideal**
  - Again, too much information
  - Makes it hard for user to focus on what they are editing

GridView – Alternate Layout

- **Don't use tables for mobile**

- **Use vertical layout**

- **Style what is most important**

- **Add more text**
  - Note cost and price…

- **Use normal size buttons**
  - Important for fingers

- **Still get all grid view features**
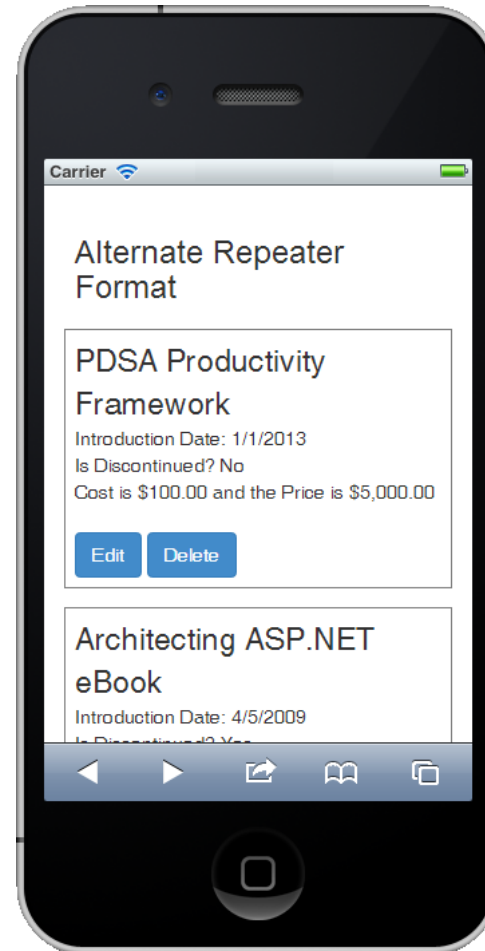 - Sorting
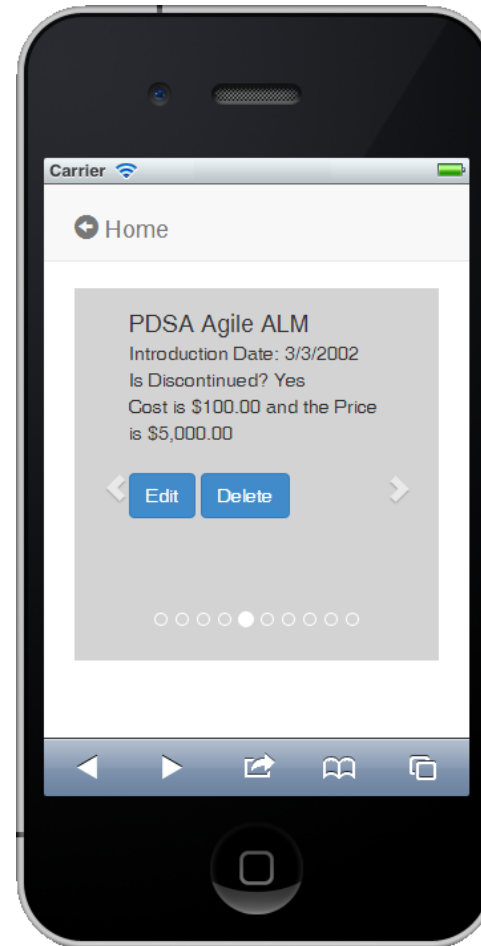 - Paging

Demo

- **Alternate Layout**

Repeater

- **Use instead of GridView**

- **Complete flexibility**

- **Can build tables**

- **Can build alternate layouts**

- **No pager built-in**

Carrier 🛜

Alternate Repeater Format

PDSA Productivity Framework
Introduction Date: 1/1/2013
Is Discontinued? No
Cost is $100.00 and the Price is $5,000.00

Edit   Delete

Architecting ASP.NET eBook
Introduction Date: 4/5/2009
Is Discontinued? Yes

Repeater

- **Use a bootstrap carousel**

- **A unique design**

- **Works well**
    - On small devices
    - For small amounts of data
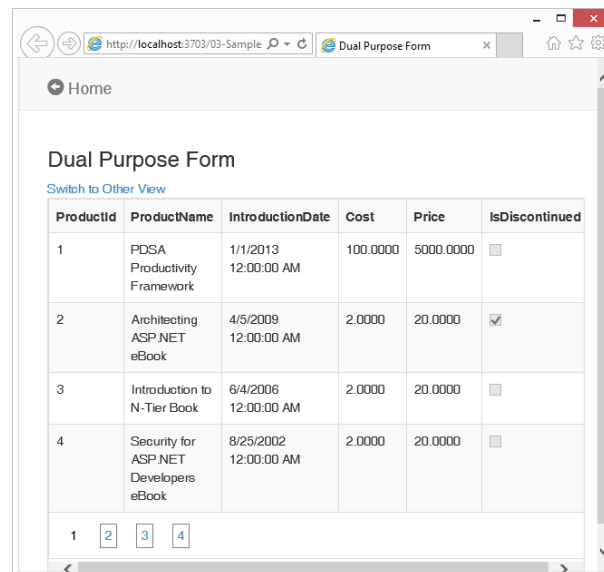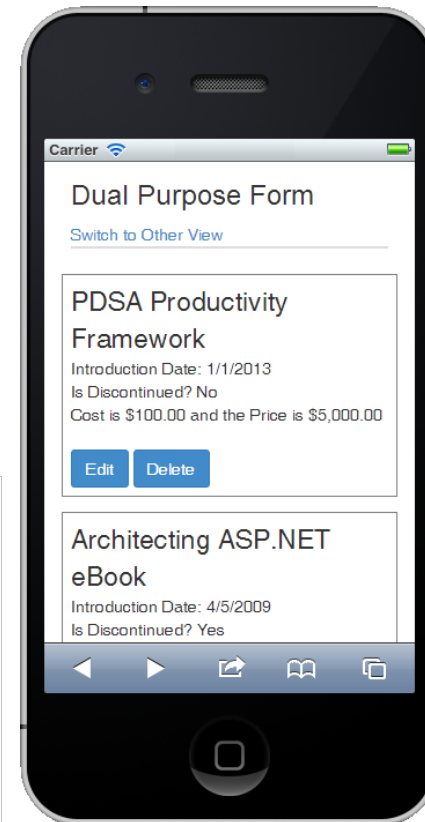
Demo

- **Repeater Control**

Dual Views

- **Detect screen size**

- **Change view based on size**

- **Use Request.Browser.IsMobileDevice**

- **Allow ability to switch to other view**

Demo

- Switch view based on screen size

Summary

- **Tables do not work well on small devices**

- **Come up with different 'view' of your data**

- **Add larger buttons and pagers**

- **Use bootstrap panel and modal classes for input**

- **Detect device and change layout based on size**