

The background features abstract, overlapping green geometric shapes in various shades, creating a modern and dynamic look. The shapes are primarily triangles and polygons, some solid and some semi-transparent, arranged in a way that suggests movement and depth. The colors range from light lime green to dark forest green.

Code Camp 2016

Intro to DataTables

a jQuery Plug-in for Client Side Display & Manipulation of tables.

Presentation & Sample Code

This presentation and sample code can be found at

www.codecamp.org/Raleigh/Sessions

Who Am I?

- ▶ Richard Scott sales@cb-mentors.com
- ▶ Carolina Business Mentors www.cb-mentors.com
- ▶ 5 Time Serial Entrepreneur
- ▶ MVC.NET, HTML5, JavaScript, JQuery & SQL Developer
- ▶ Chief Architect of 20+ large (700+ views) systems that have been operational for over 15 years.
- ▶ Pioneered using a web browser for commercial business application, in 1998.

DataTables - Presentation Index





















- ▶ Features
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DataTables - Features

- ▶ Client Side Display & Manipulation of HTML Tables
 - ▶ Sorting
 - ▶ Searching & Filters
 - ▶ Paging
 - ▶ Responsive CSS
 - ▶ Including dynamically hiding columns based upon viewport width
- ▶ Client (browser) / Server
 - ▶ Support for remote data sources
 - ▶ Support for paging huge tables
- ▶ Free Plug-in for jQuery

DataTables - Example

Show entries Search:

Action	Account	Status	Contact	Start	End
 	PVD.-----	Pending Approval	Reid Jackson	06/09/2016	
 	PVD.-----	Pending Approval	David Lyons	06/23/2016	
 	PVD.-----	Pending Approval	JACOB MARK	06/22/2009	
 	PVD.-----	Pending Approval	Joseph Gonzalez	01/05/2009	
 	PVD.-----	Pending Approval	AMINE ROCHDI	04/21/2009	
 	PVD.-----	Pending Approval	John Doe	12/21/2015	
 	PVD.-----	Pending Approval	CHRISTOPHER CHAVEZ	11/10/2011	
 	PVD.134364	Pending Approval	Thomas E Gormley		
 	PVD.219330	Pending Approval	JOHNNY WILSON		
 	PVD.270571	Pending Approval	HORACE C COKER		

Showing 1 to 10 of 3,057 entries Previous 2 3 4 5 ... 306 Next

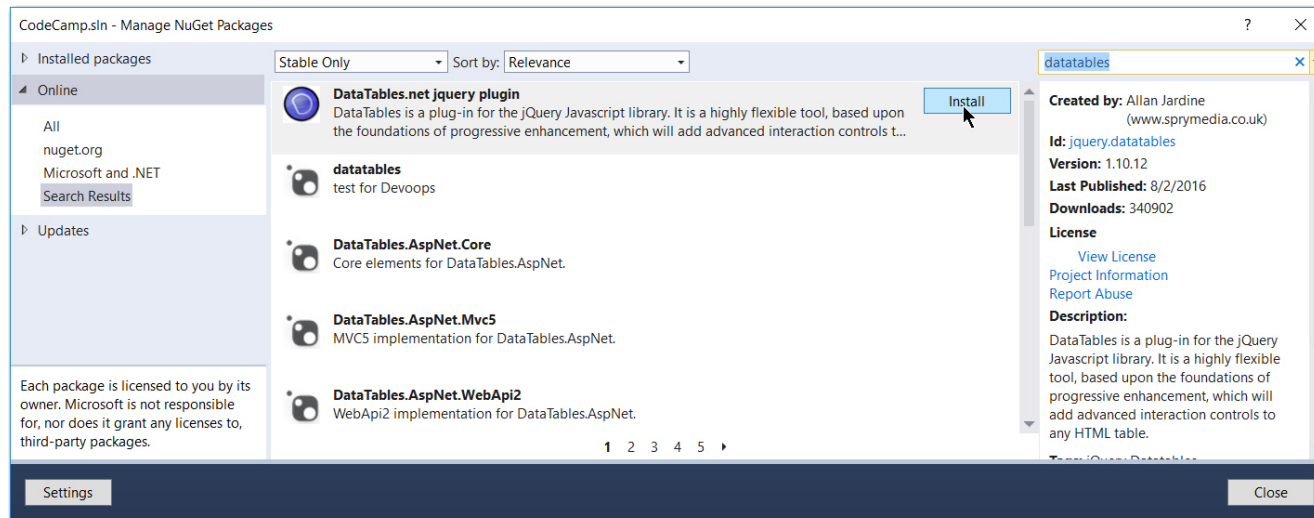
DataTables - Why

▶ Bottom Line

- ▶ Lower Cost of Development - Less Code, Less Debugging
- ▶ Labor Savings for Users, who need to search, sort, or otherwise manipulate tables of data to find needed information.
- ▶ Enables Client / Server - SPA Type Interface Look and Feel
- ▶ Especially helpful for large amounts of data

DataTables - What's Required

- ▶ jQuery (free)
- ▶ DataTables jQuery plugin (free)
 - ▶ Documentation - <https://datatables.net/>
 - ▶ Install using NuGet Manager



DataTables - Demo

- ▶ Without DataTables
- ▶ Basic DataTables
- ▶ Responsive DataTables
- ▶ Advanced
 - ▶ Show / Hide Extra Data
 - ▶ Remote Data Sources

DataTables - How To

▶ Basic

- ▶ HTML table enable DataTable Features
- ▶ HTML table enable responsive CSS

▶ Intermediate

- ▶ Basic Controls https://www.datatables.net/examples/basic_init/
- ▶ DOM Controls https://www.datatables.net/examples/basic_init/dom.html

▶ Advanced

- ▶ Show / Hide Additional Data

DataTables - Data Sources

- ▶ HTML Table
- ▶ JavaScript object
- ▶ AJAX
 - ▶ Normal AJAX Request
 - ▶ Deferred loading of data (segments using paging)
https://www.datatables.net/examples/server_side/defer_loading.html
 - ▶ HUGE data 5M rows (segments using scroll bar)
https://datatables.net/extensions/scroller/examples/initialisation/server-side_processing.html

DataTables - Q & A

- ▶ Documentation - <https://datatables.net/>