JSON: Syntax, Arrays, and Nested JSON Data

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Meet the expert: James Curtis is a .NET Developer that primarily works in the UX space. He has worked on and for several large projects alongside Microsoft Consulting. James has spoken at several code camps about UX development for ASP.NET and SharePoint. He is an active participant in the development community tweeting and blogging about several topics in the UX area. James is an active consultant and is also assisting in several Start-ups contributing his UX experience.

Prerequisites: This course assumes that users have an understanding of developing applications using C#, C++, Java, and JavaScript in a Visual Studio development environment.

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Course description: If you are in or looking to get into web development, then chances are pretty good that you will need to deal with data at some point. JSON has come along as a more lightweight structure to hold data that is easy for machines to parse and generate for web application data. This course will cover the Basics of using the JSON starting with JSON structure and then go over the basics of JSON by creating basic JSON Data and then create nested JSON Data. Then we'll cover setting up an ASP.NET with MVC 4 web application using Visual Studio. In it, we'll make AJAX calls to push and pull the data with JSON syntax.

Course outline:

Introduction
- Introduction
- Introduction to JSON
- JSON Construct
- JSON Object Example
- Demo: JSON Object
- JSON Array Example
- Demo: JSON Array
- JSON Value Example
- Demo: JSON Values
- JSON String Construct
- Demo: JSON String Construct
- JSON Number Construct
- Demo: JSON Number Construct
- Summary

Coding
- Introduction
- Getting Started
- Coding Languages with JSON
- Basics of JSON
- Demo: JSON Global Variables
- Demo: Scripts
- Demo: JSON Nested Data
- Demo: JSON Data
- Summary

MVC
- Introduction
- Advanced JSON
- Demo: Creating the MVC Project
- Demo: Creating the Model
- Demo: HTML
- Demo: Home Controller
- Summary