ASP.NET Using Knockout.js, Part 1 of 2: Getting Started

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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 the users have an understanding of developing web applications using HTML, ASP.NET, and JavaScript in a Visual Studio 2010 development environment.

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Course description: JavaScript is becoming more of a development standard for web applications. JavaScript libraries have expanded and a new library is Knockout.js. Knockout.js lets developers create rich, responsive user interfaces. This course will cover the whys and hows of Knockout.js. It will touch upon the 3 core features of Knockout.js and why Model-View-View Model (MVVM) is an important part of Knockout.js. Then the course will talk about how Observables can be used to customize View Model fields.

Course outline:

Overview
- Introduction
- What is KnockoutJS and Why
- What is KnockoutJS
- What is not KnockoutJS
- 3 Core Features
- Model-View-View-Model (MVVM)
- Summary

Getting Started
- Introduction
- Getting Started
- Demo: MVC 4 Project
- Demo: View Observables
- Update KO
- Demo: Update KO
- Demo: MVC 4 Bundles
- Demo: Connecting DataBase
- Summary

Observables
- Introduction
- Observables
- Observables: Example
- Demo: Observables
- Demo: Simple View Model
- Demo: KO Observable
- Computed Observables
- Demo: Computed Observables
- Demo: Computed View Model
- Demo: Bind View Model
- Observable Arrays
- Demo: Observable Arrays
- Demo: Add Button
- Demo: Array View Model
- Demo: Debug
- Summary