SignalR, Part 2 of 2: Hubs and Custom Data Stream

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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 and ASP.NET in a Visual Studio 2010 development environment.

Runtime: 01:24:00

Course description: This course will cover SignalR in connection with Hubs. You will start learning by building a simple Hub and then move to client calling server and server calling client as well as specific methods on specific connections. You will also learn about return types, round-tripping state and detecting connection status. Then you will also learn about Broadcast over a Hub from the outside and Hubs without a proxy. Then you will learn to use SignalR to build a custom data stream.

Course outline:

Client Server
- Introduction
- Hubs
- Building a Simple Hub
- Client Calling the Server
- Demo: Hubs
- Server Calling the Client
- Demo: Server Calling a Client
- Summary

Manage Return Types
- Introduction
- Specific Methods on Connection
- Demo: Methods on Connection
- Group Management
- Demo: Group Management
- Return Types
- Demo: Return Types
- Summary

Round Tripping Connection
- Introduction
- Round-Tripping State
- Demo: Round-Tripping State
- Detecting Connection Status
- Demo: Detect Connection Status
- Summary

More on Hubs
- Introduction
- Broadcast Outside of the Hub
- Demo: Broadcast Outside a Hub
- Hubs without a Proxy
- Demo: Hubs without a Proxy
- Summary

Custom Data Stream
- Introduction
- Custom Data Stream
- Demo: Setting Up A Data Stream
- Demo: Data Stream View
- Demo: Data Stream
- Demo: Data Stream in Action
- Summary