Building SharePoint Apps as Single Page Apps with AngularJS

Course Introduction and Overview

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Course Overview

- Why did I build this course?
- What this course is...
 - Demo heavy... who needs slides?
 - Get productive with 3rd party JavaScript libraries
 - Incorporating lots of libraries
- What this course is NOT...
- Loads of resources & pointers

Who is This Course For?

- SharePoint developers
- Office 365 & SharePoint 2013 on-premises deployments
- Prerequisites
 - Some JavaScript experience
 - SharePoint 2013 experience
- Goals
- What do you need?
 - SharePoint 2013 developer environment
 - Visual Studio

What is a SharePoint-Hosted App?

SharePoint-Hosted
App

Cloud-Hosted App Cloud App Model (CAM)

Hybrid Apps

What is a Single Page App?

Single page, not a collection of pages

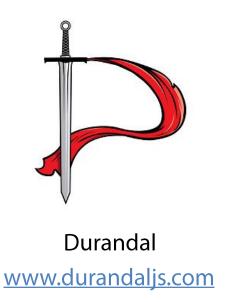
- Why build a single page app?
 - Reduced round tripping
 - Works great in low bandwidth & offline
 - Highly interactive

Characteristics of a Single Page App

Routing & Deep Linking **Navigation Templated** Views with History Data Binding

SPA Presentation Frameworks





What to look for in a SPA presentation framework

- Routing & navigation
- Views & data binding
- Dependency injection & testability

Benefits of SharePoint-Hosted Apps as Single Page Apps

- Development experience
- No external deployment steps
- No extra costs & concerns
 - Who is going to pay for this?
- SPA's yield a richer user experience
- SPA's facilitate building apps in modular approach
- Leverage SharePoint for services and data storage
- Protecting app business logic

What Are We Going to Build?

Course Module Overview

- Course Introduction & Overview
- Setting Up the SharePoint App for a Single Page App
- Building SharePoint Hosted Apps as Single Page Apps
- Incorporating Live Data Using SharePoint's REST API
- Incorporating Live Data Using Breeze
- Incorporating SharePoint Services into the SPA

Other Pluralsight Courses: SharePoint Apps, REST API & CSOM

- SharePoint 2013 Developer Ramp-Up (Parts 2 & 5) Andrew Connell
 - http://aconn.me/PSSP2013DevRampUp2
 - http://aconn.me/PSSP2013DevRampUp5
- Understanding SharePoint 2013: Part 6 App Basics Sahil Malik
 - http://aconn.me/1fb6gyN
- SharePoint 2013 Development CSOM & REST API Rob Windsor
 - http://aconn.me/N7XIBU
- Understanding SharePoint 2013: Part 5 REST & CSOM Sahil Malik
 - http://aconn.me/Mxtd30
- Developing SharePoint 2013 Solutions with JavaScript David Mann
 - http://aconn.me/1nLZlpx

Other Pluralsight Courses: Single Page Apps

- Single Page Apps with HTML5, Web API, Knockout & jQuery John Papa
 - http://aconn.me/1kTU5II

- Single Page Apps JumpStart John Papa
 - http://aconn.me/1bjJa89

- Building Apps with Angular and Breeze Part 1 & 2 John Papa
 - http://aconn.me/MxtliZ
 - http://aconn.me/1fb6pSQ

Other Pluralsight Courses: AngularJS & Breeze

AngularJS

- AngularJS Fundamenals Jim Cooper & Joe Eames
 - http://aconn.me/1e5BeCb
- AngularJS Best Practices Joe Eames
 - http://aconn.me/1fb6plK

Breeze

- Building Data Centric Single Page Apps with Breeze Brian Noyes
 - http://aconn.me/1ja0P2b