SharePoint 2013 Developer, Part 12 of 15: Security

Meet the expert: Tim McCarthy is a senior solutions architect with Perficient who designs and builds highly scalable, layered web, desktop, and mobile applications utilizing the latest Microsoft platforms and technologies.

Prerequisites: This course assumes that students have some Web development background and some experience using Visual Studio 2012.

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Course description: SharePoint has a very comprehensive security system, and the part that is of most interest to developers is the security within a SharePoint site. Within a site you work with users and groups, permission levels, permissions for sites, lists and list items. In this course you will have the know-how to understand and program with users and groups, create and apply permissions, and how to configure anonymous access permissions programmatically.

Course outline:

Overview
• Introduction
• Overview
• Overview - cont'd
• Demo: SP Site Security
• Summary

Users And Groups
• Introduction
• SharePoint Users and Groups
• User Classes
• Group Classes
• SPGroupCollection
• AssociatedGroups
• Demo: Create SP Group
• SPUserCollection
• SPWeb.EnsureUser
• User Information List
• Demo: SPUser - add group
• Demo: SPUser - add user
• Demo: SPUser - run test
• Demo: SPUser - takeaway
• Summary

Permissions
• Introduction
• Permissions
• Groups & Permission Levels
• Team Site Permission Levels
• Level Granularity - Lists
• Level Granularity - Sites
• Personalization Permissions
• Demo:ApplyPermissionLevel 1

• Demo: ApplyPermissionLevel 2
• Summary

Security Inheritance
• Introduction
• Objects and Inheritance
• Breaking Inheritance
• Demo: Break Role Method
• Demo: Use assigned to field
• Demo: Check task
• Demo: Create Assigning Role
• Demo: Run Assigning Role
• Demo: Set Permission
• Demo: Bind Role
• Demo: Set Permissions
• Demo: Site Permissions
• Demo: Test Role
• Summary

Identifying Permissions
• Introduction
• Identifying User Permissions
• Security Trimming
• Demo: Custom Action
• Summary

Anonymous Access
• Introduction
• Anonymous Access
• Demo: AnonPermMask64
• Summary