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