OWASP, Part 3 of 4: Threats and Session Security

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Meet the expert: Don Kiely is a featured instructor on many of our SQL Server and Visual Studio courses. He is a nationally recognized author, instructor, and consultant specializing in Microsoft technologies. Don has many years of teaching experience, is the author or co-author of several programming books, and has spoken at many industry conferences and user groups. In addition, Don is a consultant for a variety of companies that develop distributed applications for public and private organizations.

Prerequisites: This course is for users with experience with developing web applications using C# or other object oriented programming languages.

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Course description: In this course, we'll review and address some of the OWASP Top Ten threats. As hackers continue finding new ways to exploit systems we thought were secure, it's imperative that application developers continue taking their coding approach and skills to all new levels. In this course we'll look at building secure applications from the mindset of the hacker, and what a developer can do to avoid the news headlines as the latest security breach. You'll also learn how both Authentication and Session Management can be exploited along with ways to minimize these threats.

Course outline:

OWASP Overview
- Introduction
- OWASP
- Demo: OWASP Wiki
- Summary

Top Ten Threats
- Introduction
- OWASP Top 10 List
- 2013 Top Ten List
- ASVS
- 2013 Top 10 List - 1st Course
- 2013 Top 10 List - This Course
- Application Security Risks
- Demo: Top 10
- Demo: Top 10 Wiki
- Summary

Authentication & Session Threats
- Introduction
- Broken Authentication
- Demo: Broken Auth Wiki
- Demo: Am I Vulnerable?
- ASVS
- Demo: ASVS
- Demo: Verification Requirements
- Session Management Verification
- Summary

Threat Examples
- Introduction
- Sample Application
- Demo: WebForms Application
- Demo: WebForms App Cont.
- Demo: Cookies
- Demo: Cookieless Sessions
- Demo: Identity System
- Demo: Authentication Verification
- Summary