

Advanced Web Development with Wicket

Course Summary

Description

"Advanced Web Development with Wicket" is designed for developers who are already familiar with Wicket and wish to develop an in-depth understanding of Wicket and the best practices for applying Wicket.

Objectives

On completion of the class students will be able to

- Provide an in depth explanation of how wicket components work
- Provide an in depth explanation of the wicket rendering life cycle
- Write a wicket component from scratch
- Explain how AJAX works with Wicket
- Use the Wicket Ajax Components
- Profile Wicket Applications
- Apply Wicket performance best practices
- Architect web applications with Wicket
- Understand the tradeoffs involved in designing and building wicket applications

Topics

- Wicket Architecture Review
- Wicket Components In Depth
- AJAX Overview
- AJAX with Wicket
- Wicket Performance
- Architecting Web Applications with Wicket
- Class Q&A

Audience

This course is designed for developers and architects who looking to understand the finer points of building high performance Wicket applications.

Prerequisites

Students should have experience with Wicket or have taken the "Web Development With Wicket Course" before attending.

Duration

Two days or three days with the extended Q&A session

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Course Outline

- I. Wicket Architecture Review**
 - A. Wicket Applications
 - B. Wicket Components
 - C. Wicket Component Tree
 - D. Wicket Sessions
 - E. Wicket Models
 - F. Wicket Validation
 - G. Wicket Internationalization
 - H. Wicket Page Navigation
 - I. Wicket Page Layout

- II. Wicket Components In Depth**
 - A. How Wicket components really work
 - B. Wicket Component rendering
 - C. Advanced wicket extension points
 - D. Wicket Rendering Mode
 - E. Component Behaviors
 - F. Writing a component from scratch

- III. AJAX Overview**
 - A. Ajax Overview
 - B. How does Ajax work
 - C. Problems with Ajax

- IV. AJAX with Wicket**
 - A. Wicket Ajax Architecture
 - B. Wicket Ajax Based Components
 - C. Doing Ajax with your own components

- V. Wicket Performance**
 - A. Profiling Wicket Applications with Eclipse TPTP
 - B. Wicket Performance Best Practices

- VI. Architecting Web Applications with Wicket**
 - A. Web Application Design Problems
 - B. Dealing with Site navigation
 - C. Dealing with Wizards
 - D. Dealing with Sessions
 - E. Dealing with Clustering

- VII. Class Q&A**
 - A. Class Q&A session to deal with specific issues around using Wicket with student applications.