

GSA2010 - The Great SharePoint Adventure 2010

This 5-day course with extended hours explores the development opportunities with Microsoft's most recent release of SharePoint. The first half of the course focuses on Microsoft SharePoint Foundation 2010 (SPF2010) where you will learn how to develop fundamental SPF2010

building blocks such as Features, application pages, site pages, custom list types, site columns, content types, custom workflows and site definitions. Throughout the course students will not only learn how to create robust SharePoint projects and solutions using the new SharePoint Development Tools in Visual Studio 2010, but they will also learn how to customize and extend these tools. In addition developers will learn about the new Sandbox Solution paradigm and best practices around when and how to create robust solutions in this new way of thinking.

Audience: .NET Developer

Format: Hands-On

Length: 5 Days (8hrs/day)

Registration: \$2,995

Microsoft made significant improvements in the ways developers access data in SharePoint both on and off the server. In this course developers will learn how to access data in SharePoint using LINQ for SharePoint when on the server. When connecting to SharePoint from off the server developers will also learn how and when to use the WCF Data Services (aka: OData / REST) and the Client Object Model (.NET, Silverlight and ECMAScript). In addition, developers will also learn how to read, write and surface data in many ways from external systems using the new Business Connectivity Services (BCS, formerly Business Data Catalog (BDC) in SharePoint Server 2007). This course also addresses how users create content-centric solutions using SharePoint Server's Web Content Management (WCM) and Enterprise Content Management (ECM) capabilities.

The course can be used to prepare students for the following Microsoft Certification Exams:

- 70-573 TS: Microsoft SharePoint 2010, Application Development
- 70-576 PRO: Designing and Developing Microsoft SharePoint 2010 Applications

Student Audience / Prerequisites

Attendees should have professional development experience with Visual Studio, the .NET Framework and ASP.NET as well as familiarity with Microsoft Office products such as Word and Excel. It is also recommended (but not required) that attendees have a background with the previous version of Windows SharePoint Services 3.0 / Office SharePoint Server 2007 and have experience working directly with XML files in Visual Studio 2008.

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Complete list of all courses & upcoming schedule - www.CriticalPathTraining.com

GSA2010 - The Great SharePoint Adventure 2010 - Module List

Module 1 - SharePoint 2010 Developer Roadmap

SharePoint Developer's PowerShell Primer
New Features of SharePoint Designer 2010
Developing with Features & Solutions

Module 2 - SharePoint Foundation Development

SharePoint Server-Side Object model
Developer Dashboard
Feature & Solution Framework
Upgrading Features & Solutions

Module 3 - Visual Studio 2010 SharePoint Tools

Visual Studio 2010 & SharePoint Dev. Tools
Project Items, Packaging and Deployment
Visual Studio 2010 Extensibility

Module 4 - Creating Sandboxed Solutions

Sandbox Architecture & Limitations
Sandbox Solution Gallery
Creating & Testing Sandboxed Solutions

Module 5 - Pages and Navigation

Application, Site & Web Part Pages
Adding Custom Actions for Navigation
Pages Templates & Customization (Ghosting)
Master Pages & Branding
Extending the SharePoint Ribbon

Module 6 - Developing Web Parts

Persistent Properties
Custom Editor Parts
Web Parts Verbs & Connections
Asynchronous Processing

Module 7 - Creating Fields, Site Columns & Content Types

Custom Field Types & Field Controls
Site Columns & Content Types

Module 8 - Creating Lists & Event Handlers

List instances, definitions & templates
Events and event receivers
Document Libraries & Templates
Site Definitions

Module 9 - SharePoint Data Access - Server Side

CAML
SPQuery & SPSiteDataQuery
LINQ Primer & LINQ for SharePoint

Module 10 - SharePoint Data Access - Client Side

Understanding Client Object Model (CSOM)
Using the CSOM: .NET, Silverlight, JavaScript
WCF Data Services / OData / REST

Module 11 - Developing Workflows

Starting and Monitoring Workflow Instances
SharePoint Designer 2010 Workflows
Visual Studio 2010 Workflows
Workflow Forms & Custom Actions

Module 12 - Business Connectivity Services

Overview and Architecture
Performance & Security
External Content Types & External Lists
Leveraging External Data in Office 2010 Clients
Creating .NET Assembly Connectors

Module 13 - Web Content Management

Content Types & Page Layouts
Performance with Publishing Caching Features
Content Deployment & Multilingual Sites

Module 14 - Enterprise Content Mngmt

Records & Document Management
In-Place Records Management
Managed Metadata & Taxonomies
Document Sets & Unique Document IDs

Module 15 - Extending Search

Creating Custom Search Web Parts & Refiners
Creating Custom Search Relevance Rankings
Customizing the Search Results Experience

Module 16 - Business Intelligence (BI)

Chart Web Part & Excel Services
SQL Server Reporting Services Integration
PerformancePoint Services

Module 17 - SharePoint Security

Claims Based Authentication
Programming with Claims Based Security
Creating a Custom Claims Provider

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