

Advanced SharePoint 2010 Development

GWESP10501
5 day

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Prerequisites

- Attend Beginning SharePoint 2010 Development.
- General knowledge of SharePoint and its uses.
- Programming experience using C# or VB.net or similar language.

Course Summary and Lessons

INTRODUCTION TO SHAREPOINT 2010.

- What's New in the SharePoint Platform and Tools.
- What's New in Collaboration/Social Computing.
- What's New in Search.
- What's New in ECM.

DEVELOPER TOOLS FOR SHAREPOINT 2010.

- OOB Developer Experience.
- SharePoint Designer.
- Visual Studio 2010.
- Setting Up Your Development Environment.
- Troubleshooting with Debugging, and Testing.
- Deploying and Maintaining Your Code.

IT PRO ENHANCEMENTS FOR THE DEVELOPER.

- Performance Improvements.
- High Availability Improvements.
- Security Improvements.
- Management Improvements.

SHAREPOINT PLATFORM.

- Platform Overview.
- New User Interface.
- List, View, and Event Enhancements.

- Events Enhancements.
- Overview of Data Technologies.
- Sandbox Solutions.

COLLABORATION AND SOCIAL COMPUTING.

- People-Centricity.
- Social Networking and My Site.
- Blogs and Wiki Site Definitions.

SEARCH.

- Search Options with SharePoint 2010.
- Search User Experience.
- Search Architecture and Topologies.
- Developing with Enterprise Search.
- Customizing the Search User Experience.
- Search Connectors and Searching LOB Systems.
- Working with Federation.
- Working with the Query OM.
- Social Search.
- Content Enhancement.
- Extending Search Using the Administrative OM.
- Customizing Search with SharePoint 2010.

ECM: RECORDS MANAGEMENT.

- SharePoint 2010 Records Management Overview.
- Programming RM in SharePoint.

WEB CONTENT MANAGEMENT.

- The Content Lifecycle in Web Content Management.

ELECTRONIC FORMS.

- Introducing the Training Management Application.
- Customizing SharePoint List Forms.
- Designing InfoPath Form Templates.
- Tools for Form Developers.
- Building Web Parts Using InfoPath.

ECM: DOCUMENT MANAGEMENT.

- A New Enterprise Content Mindset.
- Getting the Most Out of the Document Center.
- Content Routing.
- Using Document Libraries in the Document Center.
- Managed Metadata.
- Content Types.
- Document ID Service.

BUSINESS CONNECTIVITY SERVICES.

- Introducing Business Connectivity Services.
- Understanding BCS Architecture.
- Understanding Authentication Scenarios.
- Creating External Content Types.
- Using ECTs in SharePoint 2010.
- Using ECTs in Office 2010.
- Creating Custom BCS Solutions.

WORKFLOW.

- Training Approval Workflow.
- Workflow Development Lifecycle.
- Building Workflows with Visual Studio 2010.

BUSINESS INTELLIGENCE (Overview).

- Challenges with Traditional Business Intelligence.
- Integration with SharePoint: The History.
- Highlights of Business Intelligence in SharePoint Server 2010.
- Important Terms and Concepts.
- Using the Adventure Works Sample Databases.
- The Starting Point: Business Intelligence Center.
- Excel Services.
- PerformancePoint Services.
- Reporting Services 2008 R2.
- Reporting on SharePoint Data.
- Claims and BI Solutions.