

# Beginning SharePoint 2010 Development

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GWESP10500  
5 day

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## Prerequisites

- 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

- Getting to Know SharePoint
- Extension and Enrichment for Developers
- SharePoint 2010: The Platform
- SharePoint 2010 Capabilities
- Site Collection and Sites
- Server APIs and Client APIs
- Data Modeling and Programmability
- SharePoint Central Administration
- Application Management
- Monitoring
- Security
- General Application Settings
- System Settings
- Backup and Restore
- Upgrade and Migration
- Configuration Wizards

### Getting Started with SharePoint 2010 Development

- Core Developer Features for SharePoint 2010
- Developer Productivity
- Rich Platform Services
- Flexible Deployment
- Key Skills for the SharePoint Developer
- Your Development Environment

- Installing SharePoint Server 2010
- Getting Familiar with SharePoint 2010
- Working with SharePoint Sites
- Working with SharePoint Lists
- Working with SharePoint Web Parts
- Setting Permissions for a SharePoint Site

#### **SharePoint 2010 Developer Tools**

- SharePoint Development Across Developer Segments
- Web-Based Development in SharePoint
- Site Settings
- Inline Rich Text and HTML Editing
- Adding Multimedia to a Site
- Developing SharePoint Applications Using SharePoint Designer 2010
- Customizing a Site Page
- Managing Other Data Sources in SharePoint Designer
- Using JavaScript in SharePoint Designer
- Master Pages
- Developing SharePoint Applications Using Visual Studio 2010

#### **Common Developer Tasks in SharePoint 2010**

- Creating Web Parts
- Standard and Visual Web Parts
- Data View Web Parts
- Creating Lists, Site Columns, and Content Types
- Working with SharePoint Data
- Creating Event Receivers
- Creating aspx Pages
- Creating Master Pages

#### **Programming SharePoint 2010 Lists**

- Overview of SharePoint Lists
- Programmatically Accessing Lists
- Programming Against Lists Using the Server-Side Object Model
- Programming Against Lists Using ASP.NET Web Services
- Programming Against Lists Using the Client Object Model
- Programming Against Lists Using a Custom WCF Service
- REST-Based Services and List Development
- Creating Event Receivers for a SharePoint List

### **Building and Deploying SharePoint Web Parts**

- Understanding Web Parts
- Web Part Architecture
- Custom Web Parts
- Visual Web Parts
- Custom Web Part Properties

### **Integrating Line-of-Business Data Using Business Connectivity Services**

- Understanding Office Business Applications (OBAs)
- OBAs and BCS
- Connectivity Options with BCS
- Developing Your First Application Using BCS
- Creating the External Data Source
- Creating the External Content Type
- Setting Permissions for External Content Types

### **Creating Enhanced User Experiences for SharePoint with Silverlight**

- Understanding Silverlight
- Why Integrate Silverlight and SharePoint?
- Integrating Silverlight with SharePoint
- No-Touch Integration
- Low-Touch Integration
- High-Touch Integration

### **Developing Service-Oriented Applications for SharePoint 2010 (Overview)**

- ASP.NET Web Services
- Native Web Service
- Custom ASP.NET Services
- WCF Web Services
- RESTful Web Services

### **Integrating SharePoint with Microsoft Office**

- Content Type as a Document Template
- Using InfoPath in Your SharePoint Solutions
- Managing Office Documents through a SharePoint Workflow
- Integrating Office Documents with SharePoint List Data
- Server-Side Services
- Visio Services
- Excel Services
- Word Services
- Access Services

## Securing Your SharePoint 2010 Applications (Overview)

- Authorization
- Solution Trust
- Secure Store Service
- Federated Authentication
- Forms-Based Authentication
- Claims-Based Authentication