







SharePoint Developers Academy

2010 Course Syllabus





Day 1 - Technology Introduction & Digital Asset Management









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| Introduction |  <p>Test / Exam</p> | <ol style="list-style-type: none"> 1. Kick Start <ol style="list-style-type: none"> a. Participant Introductions b. Course Overview c. Training Goals d. Introduction to the Knowledge Landscape e. Skills Test |
| |  <p>Presentation</p> | <ol style="list-style-type: none"> 2. SharePoint Products & Technologies <ol style="list-style-type: none"> a. History of Web Technologies b. What is SharePoint? c. Legacy & History d. Licensing & Use e. Core Competencies f. Lexicon & Vocabulary |
| Sites |  <p>Design Session</p> | <ol style="list-style-type: none"> 3. Introduction to SharePoint 2010 <ol style="list-style-type: none"> a. The User Experience b. 2010 Master Page c. The Visual Upgrade d. The Ribbon |
| |  <p>Design Session</p> | <ol style="list-style-type: none"> 4. SharePoint 2010 Sites <ol style="list-style-type: none"> a. Understanding Site Collections b. Site Administration c. Site Catalog d. Templating Sites |
| |  <p>Design Session</p> | <ol style="list-style-type: none"> 5. Branding & Identity <ol style="list-style-type: none"> a. Themes b. CSS c. Propagation d. Master Pages e. Design Tools |
| |  <p>Presentation</p> | <ol style="list-style-type: none"> 6. Departmental Sites <ol style="list-style-type: none"> a. Management Approaches b. Taxonomies & Architecture c. Community Planning Principles d. Data Interchange Models e. Meeting & Group Workspaces |
| |  <p>Presentation</p> | <ol style="list-style-type: none"> 7. Security Management <ol style="list-style-type: none"> a. Vetting Trust Boundaries b. ITAR/MOD c. Authentication -vs- Authorization d. Security Management Principles e. Security Tool Kit f. Authorization Models & Schemas g. Access Layer Planning & Application |

Lunch Break







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| Digital Asset Management |  <i>Presentation</i> | 8. Digital Asset Management (Strategy) <ol style="list-style-type: none"> Document Management Value Stream Review of Toolkit Introduction to Site Columns Introduction to Content Types Principles of Document Management Email Enabled Libraries |
| |  <i>Design Session</i> | 9. Digital Asset Management (Implementation) <ol style="list-style-type: none"> Planning Strategies Creation of Site Columns Creation of Content Types Creation of Filtered Views Creation of Document Dashboards |
| |  <i>Design Session</i> | 10. Migration Tactics <ol style="list-style-type: none"> Planning & Execution Shared Drive Excel Data Troubleshooting Errors The Follow Through Replication & Synchronization |
| |  <i>Design Session</i> | 11. Content Management Capabilities <ol style="list-style-type: none"> Image Viewer Page Viewer Content Editor Web Part Picture Library Slide Show Web Part RSS Transformation AJAX, Table and Image Support Silverlight Web Part |
| |  <i>Design Session</i> | 12. Web Parts <ol style="list-style-type: none"> 2010 Web Part Catalog Page Zones Deploying Web Parts Configuring Web Parts Connecting Web Parts AJAX Support 3rd Party Web Parts |
| |  <i>Design Session</i> | 13. Delivering Content to Mobile Devices <ol style="list-style-type: none"> History & Limits Authentication & Security Native Support Design Ideas |

Day 2 - Information Management, Workflows & Application Development






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| Information Management |  <i>Presentation</i> | 14. SharePoint Designer 2010 <ol style="list-style-type: none"> Troubled History & Problems Understanding the Highly Integrated Essential Toolkit Use & Responsibility Workspace & Toolbars SharePoint Designer Infection Increased Control & Governance in 2010 |
| |  <i>Design Session</i> | 15. SharePoint 2010 List Catalog <ol style="list-style-type: none"> Understanding the Object Model Object Feature Overview Lists & Libraries Catalog Creating & Managing Objects Templating Objects |
| |  <i>Design Session</i> | 16. Advanced Application Controls <ol style="list-style-type: none"> Customizing Objects Customizing Forms Views & Utilities Custom Ribbons |
| |  <i>Presentation</i> | 17. Reporting Overview <ol style="list-style-type: none"> XML & XSL Data Services Reports Center SQL Reporting Services Performance Point Business Connectivity Services |

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| |  Design Session | 18. XML & XSL <ol style="list-style-type: none"> a. Understanding Data Queries b. Transforming XML c. Manipulating SharePoint Data with d. Using SharePoint Designer to Deploy XSLT e. Connecting & Data Interchange with XSLT Web Parts |
| |  Design Session | 19. JQuery <ol style="list-style-type: none"> a. Introduction & History b. Utilization in SharePoint Technologies c. Basic Manipulations d. Advanced Manipulations |
| |  Design Session | 20. Business Connectivity Services <ol style="list-style-type: none"> a. Introduction & Overview b. Configuration, Setup & Authentication c. Creating External Content Types d. Fronting Data & App Functionality in SharePoint |
| <h2>Lunch Break</h2> | | |
| Workflows |  Presentation | 21. Workflow Solutions <ol style="list-style-type: none"> a. .NET 3.0 & Windows Workflow Foundation b. How Workflows Benefit Organizations c. How Workflows Support Portals d. Workflow Scenarios e. Technical Component Breakdown f. Workflows in Action |
| |  Design Session | 22. Workflow Design <ol style="list-style-type: none"> a. Process Modeling b. Conditionals & Logic c. Workflow Creation d. Testing & Auditing e. Building a Workflow |
| Rapid Application Development (RAD) |  Presentation | 23. Rapid Application Development <ol style="list-style-type: none"> a. What is RAD and why do we need it? b. Integrated Managed Services c. The Production Launch Model d. Web Services Development Lifecycle <ol style="list-style-type: none"> a. Scoping b. Documenting c. Application Provisioning d. Database Schemas |
| |  Group Planning | 24. Sample Application Build <i>(Group Vote: Help Desk Request Center, Product Life Cycle Manager, or Engineering Knowledge Base)</i> <ol style="list-style-type: none"> a. Methods to gather requirements e. Scoping Feature Extensibility: "Capability -vs- Ability" b. Collect and document requirements c. Prioritization and balancing of requirements |
| |  Design Session | 25. Application Build <ol style="list-style-type: none"> a. Application Implementation b. Workflow Enhancements c. Application Testing d. Interface Design |

Day 3 - Systems, Disaster Recovery & Technology Proliferation

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| SYSTEMS & MIGRATION |  Presentation | 26. System Requirements Breakdown <ul style="list-style-type: none"> a. Introduction to 64 bit Computing b. Introduction to Server 2008/2008 R2 c. Windows Server 2008/2008R2 d. IIS 7.0 & SharePoint e. SQL Family f. Active Directory g. Internet Information Services 7.0 |
| |  Presentation | 27. Systems Architecture <ul style="list-style-type: none"> a. Capacity Planning b. Project Scoping c. Project Management Principles d. DNS Namespace Planning e. Planning Browser Support f. Mind the Gap Between MS Office & SharePoint |
| |  Presentation | 28. Installing SharePoint <ul style="list-style-type: none"> a. Minimum System Requirements b. Account Creation Mode -vs- Regular Mode c. SharePoint Foundation 2010 d. SharePoint Server 2010 e. SharePoint Central Administration f. Shared Service Provider |
| |  Live Server Session | 29. Managing SharePoint Installations <ul style="list-style-type: none"> a. New Central Administration b. Creating New Web Applications c. Provisioning New Site Collections d. Establishing & Applying Site Quotas Templates e. Monitoring & Health Analysis f. Web Analytics |
| |  Presentation | 30. Search & Search Servers <ul style="list-style-type: none"> a. Understanding the SSP b. Establishing Content Sources c. Managing Crawl Schedules d. Configuring PDF Support e. Creating Search Centers |
| |  Live Server Session | 31. Upgrade Paths <ul style="list-style-type: none"> a. Preparation & Planning b. Upgrade -vs- Migration c. Upgrade Paths for Various Farm Types <ul style="list-style-type: none"> a. Technology Upgrade -vs- Visual Upgrade d. Bugs & Tweaks |
| DR & BCP |  Presentation | 32. Disaster Recovery & Business Continuity Planning <ul style="list-style-type: none"> a. DR -vs- BCP b. Establishing Risk Tolerance & Expectations c. Understanding DR for SharePoint d. Understanding BCP for SharePoint e. Unique Needs for Web Services f. Architecting a Solution |
| |  Live Server Session | 33. Live Restore <ul style="list-style-type: none"> a. VM Snapshots b. SQL Restores c. Restore Tools |

Lunch Break

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| |  <p><i>Design Session</i></p> | <p>34. Application Build (continued)</p> <ul style="list-style-type: none"> a. Application Implementation b. Workflow Enhancements c. Application Testing d. Interface Design e. Preliminary Security Application f. Client Testing & Signoff g. Final Security Implementation |
| <p>Understanding Technology Proliferation Among</p> |  <p><i>Presentation</i></p> | <p>35. The Problem with SharePoint</p> <ul style="list-style-type: none"> a. "Solve 1 problem with technology, create 100 more" b. SharePoint Time Machine c. Why SharePoint? Why Extranets? d. Mistakes and Lessons Learned e. Review of the Enterprise SharePoint Survey |
| |  <p><i>Presentation</i></p> | <p>36. Implementing SharePoint Portals</p> <ul style="list-style-type: none"> a. Risks & Objectives b. Common Mistakes c. Core Competencies of Portals d. The Collaboration Maturity Model e. Establishing a Road Map f. Allegiance to Microsoft or the Vendors? g. Adoption & Design Curves h. Cost of Implementation |
| |  <p><i>Presentation</i></p> | <p>37. Extensibility, Add-Ons & the Vendor Community</p> <ul style="list-style-type: none"> a. Understanding the SharePoint Animal Farm b. Risks & Rewards c. Lessons Learned d. Business Case Definition e. Gap Analysis & Bridging Strategies f. Training |
| |  <p><i>Test / Exam</i></p> | <p>38. Course Closure</p> <ul style="list-style-type: none"> a. Skill Set Test b. Course Satisfaction Survey |