

In this 5-day course, you will cover the most important aspects of the SharePoint API and how to access it using server, client side, and JavaScript object models. Additionally, you will learn to access and manipulate SharePoint lists using REST API. For server side solutions, you will build a fully functional solution that utilizes applications pages, custom actions, list definitions, event receivers, features, and solution packages. For the app development, you will build an app that uses SharePoint components and one that exposes external data in SharePoint. You will learn advanced workflow features. Discussed will be deployment options and development environment in details.

**Course Objectives:**

- Learn the most important aspects of the SharePoint API and how to access it using server, client side, and JavaScript object models
- Learn to access and manipulate SharePoint lists using REST API.
- Build a fully functional server side solution that utilizes applications pages, custom actions, list definitions, event receivers, features, and solution packages.
- Build an app that uses SharePoint components and one that exposes external data in SharePoint.
- Learn advanced workflow features: dictionaries, web services, and custom actions.
- Understand deployment options and development environment in details.

**Audience:** Developers and Architects.

**Prerequisites:** Advanced development skills.

**Number of Days:** 5 days

<p><b>1</b>     <b>Definitions, History, and Expectations</b>          Definitions          History          Editions          How to Make SharePoint Successful</p>	<p><b>3</b></p>	<p>List specific features          Connect to Outlook          Calendar aggregation          Task indents and timeline</p>
<p><b>2</b>     <b>Sites, Lists, Versioning</b>          Site Collection          Site          Navigation          Features          Site template comparison          Navigation          List = App          Columns          Views          Sharing          Collaborative editing and SkyDrive Pro          Versioning          Alerts and popularity</p>	<p><b>3</b></p>	<p><b>Social, User Profiles, My Site</b>          User Profile and Personal content          Basic information          Contact and details          Personal site and files          Task aggregation on my site          Newsfeed and Following          Commenting, hashtags, likes          Aggregation and settings          Follow sites, people, hashtags          Community site template          Discussions          Reputation and badges</p>

<p><b>4</b>     <b>Pages, Web Parts, Apps, and Themes</b>  Types of Pages  Web Parts</p> <p><b>5</b>     <b>InfoPath in SharePoint</b>  Form design  Fields/columns  Visual layout  Two column layout  Four column layout  Logic  Rules  Validation  Hide/show controls  External data  Get data from other SharePoint lists or            databases  InfoPath Form Web Part  List forms vs. form library  Digital signatures  Complicated schema -not all fields            stored in SharePoint list</p> <p><b>6</b>     <b>Workflows with SharePoint Designer</b>  Introduction  Two platforms and what's new in 2013  Definitions  Stages, steps, and loops  Conditions and branches  Actions and variables  Workflow types and association  Information Management Policies  Export and import workflows</p> <p><b>7</b>     <b>Security Authorization</b>  Permissions and Permission Levels  Site Collection Administrator  Authentication vs. Authorization  What provides authentication  Who can assign permissions  SharePoint groups  Web Part to show users and SharePoint            groups that have access to the            site</p> <p><b>8</b>     <b>Site Administration Tools</b>  List and Site Templates  List View thresholds  Features  Manage Content and Structure Tool</p>	<p><b>9</b>     <b>Project: Libraries and Lists</b>  Setup Research Papers library with            folders and metadata  Setup Area for Industry Clinic project            management</p> <p><b>10</b>    <b>Mobile Access</b>  Windows 8 phone  iPad  Android browser</p> <p><b>11</b>    <b>Site Collection Management</b>  Definition  Why separate site collections  Management</p> <p><b>12</b>    <b>Site Columns</b>  Site Columns definition  Scopes and updates  Chapter Section</p> <p><b>13</b>    <b>Managed Metadata</b>  Terms sets and term groups  Local vs. Global context  Enterprise keywords  Social tags  Search refinement based on metadata</p> <p><b>14</b>    <b>Content Types</b>  Content type use cases  Content type hierarchies and inheritance  Using content types to create            information architecture  Document templates  2010 Workflows and information            management policies for content            types  Content Type Syndication Hub  How it works  Relation to managed metadata  View and other settings</p> <p><b>15</b>    <b>Document Sets</b>  Metadata and page layouts  Versioning and workflows  Document IDs</p> <p><b>16</b>    <b>User Profiles</b>  User profile properties  Audiences  My Site Settings</p>
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<p><b>17 Search Administration</b>          Content Sources and Crawl Rules          Properties          Refinement in search web parts          Query Rules          Analytics          Entity Extraction</p> <p><b>18 Final Project</b>          Metadata and Search</p> <p><b>19 Records Management</b>          In place records management          Record center template and use of          content types          Making documents into records using          workflows          eDiscovery cases</p> <p><b>20 External Data and Business Data          Services</b>          Data Sources and Data Views          Secure Store Service          Application definitions          Credentials          Business Data Services          External content types and lists in          SharePoint Designer          Editing forms using InfoPath Form</p> <p><b>21 Development Overview</b>          Goals          State of Development          Development Components          SharePoint API          Types of Applications          Application Integration          Lists Manipulation and Location</p> <p><b>22 SharePoint API</b>          How to access          Server side as a web site          Sites and Site Collections          List manipulation          List queries          Javascript          REST          Sites          Lists manipulation          Cross domain library</p>	<p>Other API Sections using .NET Object          Model          Security          Central Administration          Search          Impersonation          JavaScript in content editor web part via          web dav or skydrive</p> <p><b>23 First Chapter Title</b>          Application Pages          Custom Actions          List Definition and Instances          Visual web part          Fields and Content Types          Event Receivers          Features and Solutions          Server side solution - Audit app</p> <p><b>24 App Model</b>          What to do          Development Options          Definitions          Hosting Options          Components          Authentication and Permissions          App that uses SharePoint APIs          App that gets remote data stored          externally</p> <p><b>25 Event Handlers</b>          Server side event receivers          Remote event receivers in Apps          Server side and remote event receivers</p> <p><b>26 Workflows</b>          Workflow platform          Dictionary and calling web services          Custom actions</p> <p><b>27 Deployment and Development Process          Notes</b>          Code          Deployment process          Server code          Client code          Content          SharePoint Designer packages          Custom code for global changes          Publishing content deployment</p>
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