



## Agenda Dynamics CRM Extending

### Module 1:

- Objectives
- Introduction
- xRM Application Framework
- Extensibility Platform and Features
- Security Model
- Business Model
- Business Logic
- Business Entity Components
- Data Access Components and Platform
- Helpful Skills
- Resources
- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions

### Module 2:

- Objectives
- Introduction
- WCF Web Services
- Discovery Service
- Early versus Late-Binding
- Early-Bound Entity Class
- Late-Bound Entity Class
- Organization Service
- Authentication and Authorization
- Entity Information
- Working with Data Types
- Using the Create Method
- Using the Retrieve Method
- Using the Update Method
- Using the Delete Method
- Using the RetrieveMultipleMethod

- Handling WCF Faults
- Summary
- Test Your Knowledge
- Solutions
- Lab : Lab 2.1: Creating Leads
- Lab : Lab 2.1: Account Management Application

### Module 3:

- Objectives
- Introduction
- Querying in Microsoft Dynamics CRM
- Query Expression
- QueryByAttitude
- LINQ Queries
- FetchXML
- Filtered Views
- OData
- Execute Method
- Requests and Responses
- Using the MetadataService Web Service
- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions
- Lab : Lab 3.1: Using QueryExpression
- Lab : Lab 3.2: Using LINQ to Perform, Create, Read, Update and Delete Operations
- Lab : Lab 3.3: Using Fetch XML
- Lab : Lab 3.4: Using FetchXML
- Lab : Lab 3.5: Using Request and Response

### Module 4:

- Objectives
- Introduction
- Overview of Workflow
- Overview of Dialogues
- Setting up Custom Workflow Activity Assemblies
- Demonstration: Configuring a Custom Workflow Activity
- Creating Custom Workflow Activities
- Debugging Custom Workflow Activities
- Creating and Modifying Windows Workflow Foundation (XAML Workflows)
- Demonstration: Modifying an Existing Workflow in Visual Studio 2010
- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned

- Solutions
- Lab : Lab 4.1: Creating a Custom Workflow Activity

## Module 5:

- Objectives
- Introduction
- Overview of Plug-ins
- Event Framework
- Plug-in Isolation, Trusts and Statistics
- Developing Plug-ins
- Impersonation in Plug-ins
- Entity Classes and Plug-ins
- Register and Deploy Plug-ins
- Debugging Plug-ins
- Windows Azure Integration with Microsoft Dynamics CRM
- Summary
- Test Your Knowledge
- Quick Interaction: Lesson Learned
- Solutions
- Lab : Lab 5.1: Creating a Plug-in

## Module 6:

- Objectives
- Introduction
- Using Jscript Libraries
- Form and Field Events
- Xrm.Page
- Xrm.Page.context (Client-Side Context)
- Xrm.Pge.data entity
- Xrm.Page.ui
- Form Types
- Form Event Handler Execution Context
- Setting Event Dependencies
- Pass Parameters
- Using Best Practices in Writing Client-Side Code
- Debugging Client-Side Code
- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions
- Lab : Lab 6.1: Telephone Number Formatting
- Lab : Lab 6.2: Control Tab Visibility

## Module 7:

- Objectives
- Introduction
- Customizing the Site Map
- Customizing the Ribbon
- URL Addressable Forms and Views
- Summary
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions
- Lab : Lab 7.1: Modifying the Site Map
- Lab : Lab 7.2: Customize the Ribbon
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## Module 8:

- Objectives
- Introduction
- Overview of Web Resources
- Web Resource Management
- Referencing Web Resources
- Silverlight Web Resource
- REST Endpoint, OData and JSON
- Using JQuery
- Test Your Knowledge
- Quick Interaction: Lessons Learned
- Solutions
- Lab : Lab 8.1: Silverlight and Opportunity Slider

Duración: 20 Horas

Precio: USD \$2400