

Diplomado Web Programming with C#, Visual Studio 2008 , ASP.NET 3.5 & AJAX

Nuestro *Diplomado Web Programming with C#, Visual Studio 2008, ASP.NET 3.5 & AJAX* representa más de 100 horas de entrenamiento en .NET y lo recomendamos si estás pensando en participar en algún proyecto Web que incluya varias de las tecnologías .NET o potenciar tu currículum con las tecnologías hoy demandadas. Cubre algunos temas de la tecnología .NET de Microsoft como Visual Studio 2008, C#, Programación Orientada a Objetos, el NET Framework, ADO.NET, ASP.NET 3.5 y Ajax. Este Diplomado incluye tres cursos: uno de C#, otro de ASP.NET y ahora agregamos Ajax al final. Al terminar podrá programar una aplicación Web en capas para Web en un ambiente distribuido utilizando lo último en la tecnología C# y Visual Studio 2008, que introduce importantes nuevas características como local type inference, extension methods, lambda expressions y Language-Integrated Query (LINQ). Aprenderás sobre las nuevas características de ASP.NET 3.5, como son el soporte para LINQ (Language Integrated Query), herramientas CSS, páginas maestras anidadas y más.

Temas cubiertos en los diferentes Módulos:

1. Introducción al desarrollo de aplicaciones de múltiples capas con tecnología .NET.
2. El lenguaje de programación con C#
3. Construcción de clases y componentes con C#
4. Acceso a bases de datos con ADO.NET y una introducción a LINQ
5. Creación de clientes Web con ASP.NET 3.5
6. AJAX

Duración aproximada: 104 horas aproximadamente

Metodología:

Este diplomado es 70% práctico y 30% teórico. El alumno aprenderá a desarrollar aplicaciones de múltiples capas para Web utilizando C# con Visual Studio 2008, ASP.NET 3.5 y Ajax. Se pretende que el alumno conozca el lenguaje, la estructura de C#, su ambiente de desarrollo y sepa cómo utilizarlo para crear código orientado a objetos y clases para desarrollar aplicaciones en capas .NET que manipulen una Base de Datos SQL Server, encapsulen la lógica de negocios y se presenten en un ambiente Web. Las primeras 40 horas el alumno aprende VB con ejercicios y teoría, las siguientes 40 horas aprende ASP.NET y las horas finales están dedicadas a conocer Ajax para enriquecer tus aplicaciones.

Dirigido a: Programadores que necesitan aprender C# para diseñar y desarrollar aplicaciones Web usando tecnología .NET.

Prerrequisitos: Conocimientos en algún otro lenguaje de programación como C, C++, Java, C# 6, etc. Para la parte de desarrollo Web con ASP.NET se requiere que el alumno conozca HTML y es deseable experiencia previa con ASP pero no es esencial. Para la parte de ADO.NET se requiere de conocimientos básicos de SQL.

Módulo I.- OBJECT ORIENTED PROGRAMMING IN C# (VS 2008)

Descripción: Este módulo es una introducción práctica a la programación en C# , al aprendizaje del Visual Studio 2008 y al uso de los servicios proporcionados por .NET. El curso hace énfasis en el lenguaje C# y en cómo construir aplicaciones C# desde una perspectiva de la programación orientada a objetos. C# presenta características nuevas como propiedades, indexers, delegates, eventos e interfaces que hacen de C# un lenguaje ideal para el Desarrollo orientado a objetos y sistemas basados en componentes. Utilizarás Visual Studio 2008 y .NET 3.5. El módulo concluye con una presentación de las nuevas características de C# 3.0.

Audiencia: Programadores que necesitan iniciarse en el lenguaje C# 2008 (C#.NET) para diseñar y desarrollar en aplicaciones .NET. Es recomendable para quienes en un futuro desean aprender a hacer aplicaciones Web con ASP.NET y C# o para quienes desean, después, hacer aplicaciones Windows con Windows Forms.

Prerrequisitos: Experiencia en Programación en algún lenguaje de alto nivel como Cobol, Perl o C.

Contenido Curso C# 2008

1.- .NET: What You Need to Know

- Getting Started
- .NET: What Is Really Happening
- .NET Programming in a Nutshell
- Viewing the Assembly
- Viewing Intermediate Language
- Understanding .NET
- Visual Studio 2008
- Creating a Console Application
- Adding a C# File
- Using the Visual Studio Text Editor
- IntelliSense
- Build and Run the Project
- Pausing the Output
- Visual C# and GUI Programs
- .NET Documentation

2.- First C# Programs

- Hello, World
- Compiling, Running (Command Line)
- Program Structure
- Namespaces
- Variables
- Expressions
- Assignment
- Calculations Using C#
- More about Output in C#
- Input in C#
- More about Classes
- InputWrapper Class
- Echo Program
- Using InputWrapper
- Compiling Multiple Files
- Multiple Files in Visual Studio
- The .NET Framework

11.- Arrays and Indexers

- Arrays
- One Dimensional Arrays
- System.Array
- Random Number Generation
- Next Methods
- Jagged Arrays
- Rectangular Arrays
- Arrays As Collections
- Indexers
- Using the Indexer

12.- Inheritance

- Inheritance Fundamentals
- Inheritance in C#
- Single Inheritance
- Root Class – Object
- Access Control
- Public Class Accessibility
- Internal Class Accessibility
- Member Accessibility
- Member Accessibility Qualifiers
- Method Hiding
- Method Hiding and Overriding
- Initialization
- Initialization Fundamentals
- Default Constructor
- Overloaded Constructors
- Invoking Base Class Constructors

13.- Virtual Methods and Polymorphism

- Introduction to Polymorphism
- Abstract and Sealed Classes
- Virtual Methods and Dynamic Binding
- Type Conversions in Inheritance
- Converting Down the Hierarchy
- Converting Up the Hierarchy
- Virtual Methods
- Virtual Method Cost
- Method Overriding
- The Fragile Base Class Problem
- override Keyword
- Polymorphism
- Polymorphism Using “Type Tags”
- Polymorphism Using Virtual
- Abstract Classes
- Keyword: abstract
- Sealed Classes
- Heterogeneous Collections

3.- Data Types in C#

- Strong Typing
- Typing in C#
- Typing in C++
- Typing in Visual Basic 6
- C# Types
- Integer Types
- Integer Type Range
- Integer Literals
- Floating Point Types
- Floating Point Literals
- IEEE Standard for Floating Point
- Decimal Type
- Decimal Literals
- Character Type
- Character Literals
- string
- Escape Characters
- Boolean Type
- Implicit Conversions
- Explicit Conversions
- Nullable Types

4.- Operators and Expressions

- Operator Cardinality
- Arithmetic Operators
- Multiplication
- Division
- Additive Operators
- Increment and Decrement
- Relational Operators
- Conditional Logical Operators
- Short-Circuit Evaluation
- Ternary Conditional Operator
- Bitwise Operators
- Bitwise Logical Operators
- Bitwise Shift Operators
- Assignment Operators
- Expressions
- Precedence
- Associativity
- Checking

5.- Control Structures

- If Tests
- Blocks
- Loops
- while Loop
- do/while Loops
- for Loops
- Arrays
- foreach Loop
- break
- continue
- goto
- Structured Programming
- Multiple Methods
- switch
- switch in C# and C/C++

14.- Formatting and Conversion

- Introduction to Formatting
- ToString
- ToString in Your Own Class
- Using Placeholders
- Format Strings
- Simple Placeholders
- Controlling Width
- Format String
- Currency
- String.Format
- PadLeft and PadRight
- Type Conversions
- Conversion of Built-In Types
- Conversion of User-Defined Types

15.- Exceptions

- Introduction to Exceptions
- Exception Fundamentals
- .NET Exception Handling
- Exception Flow of Control
- Context and Stack Unwinding
- System.Exception
- User-Defined Exception Classes
- Structured Exception Handling
- Finally Block
- Inner Exceptions
- Checked Integer Arithmetic

16.- Interfaces

- Interfaces in C#
- Interface Inheritance
- Programming with Interfaces
- Implementing Interfaces
- Using an Interface
- Dynamic Use of Interfaces
- is Operator
- as Operator
- Common Interfaces in Case Study –IAccount
- Apparent Redundancy
- IStatement
- IStatement Methods
- IChecking
- ISavings
- The Implementation
- SavingsAccount
- The Client
- Resolving Ambiguity
- Access Modifier
- Explicit Interfaces Test Program

6.- Object-Oriented Programming

- Objects
- Objects in the Real World
- Object Models
- Reusable Software Components
- Objects in Software
- State and Behavior
- Abstraction
- Encapsulation
- Classes
- Inheritance Concept
- Relationships among Classes
- Polymorphism
- Object Oriented Analysis and Design
- Use Cases
- CRC Cards and UML

7.- Classes

- Classes as Structured Data
- Classes and Objects
- References
- Instantiating and Using an Object
- Assigning Object References
- Garbage Collection
- Methods
- Public and Private
- Abstraction
- Encapsulation
- Initialization
- Initialization with Constructors
- Default Constructor
- this
- Static Fields and Methods
- Static Methods
- Static Constructor
- Constant and Readonly Fields

8.- More about Types

- Overview of Types in C#
- Structures
- Uninitialized Variables
- Copying a Structure
- Hotel.cs
- HotelCopy.cs
- Results of Hotel Copy
- Classes and Structs
- Enumeration Types
- Reference Types
- Class Types
- object
- string
- Arrays
- Default Values
- Boxing and Unboxing

17.- .NET Interfaces and Collections

- Collections
- Count and Capacity
- foreach Loop
- Array Notation
- Adding to the List
- Remove Method
- RemoveAt Method
- Collection Interfaces
- IEnumerable and IEnumerator
- ICollection
- IList
- A Collection of User-Defined Objects
- Duplicate Objects
- Copy Semantics and ICloneable
- Copy Semantics in C#
- Shallow Copy and Deep Copy
- Reference Copy
- Memberwise Clone
- Using ICloneable
- Comparing Objects
- Sorting an Array
- Anatomy of Array.Sort
- Using the is Operator
- The Use of Dynamic Type Checking
- Implementing IComparable
- Writing Generic Code
- Using a Class of object
- Generic Types
- Generic Syntax in C#
- Generic Client Code
- System.Collections.Generic

18.- Delegates and Events

- Overview of Delegates and Events
- Callbacks and Delegates
- Usage of Delegates
- Declaring a Delegate
- Defining a Method
- Creating a Delegate Object
- Calling a Delegate
- A Random Array
- Anonymous Methods
- Combining Delegate Objects
- Account.cs
- DelegateAccount.cs
- Events
- Events in C# and .NET
- Client Side Event Code

9.- Methods, Properties, and Operators

- Static and Instance Methods
- Method Parameters
- No “Freestanding” Functions in C#
- Classes with All Static Methods
- Parameter Passing
- Parameter Terminology
- Value Parameters
- Reference Parameters
- Output Parameters
- Structure Parameters
- Class Parameters
- Method Overloading
- Modifiers as Part of the Signature
- Variable Length Parameter Lists
- Properties
- Operator Overloading
- Operator Overloading in the Class Library

19.- New Features in C# 3.0

- Auto-Implement Properties
- Implicitly Typed Variables
- Object Initializers
- Collection Initializers
- Anonymous Types
- Partial Methods
- Partial Method Definition
- Partial Method Implementation
- Main Program
- Extension Methods
- Lambda Expressions
- Named Method
- Anonymous Method
- Language-Integrated Query (LINQ)
- Using IEnumerable<T>

10.- Characters and Strings

- Characters
- Character Codes
- ASCII and Unicode
- Escape Sequences
- Strings
- String Class
- String Literals and Initialization
- Concatenation
- Index
- Relational Operators
- String Equality
- String Comparisons
- String Comparison
- String Input
- String Methods and Properties
- StringBuilder Class
- StringBuilder Equality
- Command Line Arguments
- Command Line Arguments in the IDE
- Command Loops
- Splitting a String

Módulo II.- Microsoft ASP.NET Using C# 2008

Descripción: En este módulo aprenderás a usar Visual Studio 2008 y C# 2008 para construir páginas Web ASP.NET 3.5. Entenderás la arquitectura detrás de ASP.NET y cómo utilizar varios controles de ASP.NET. También a crear sitios Web consistentes usando Master Pages, agregar características de membresía, configurar y producir aplicaciones ASP.NET para autenticar usuarios y limitar su acceso a los recursos, manejar el estado, dirigir a los usuarios usando las herramientas Navigation, depurar código .NET y JavaScript, y a desplegar y editar datos usando ASP.NET y ADO.NET. Además, aprenderás sobre las nuevas características de ASP.NET 3.5, como son el soporte para LINQ (Language Integrated Query), herramientas CSS, páginas maestras anidadas y más.

Audiencia: Programadores que desean crear desarrollo Web utilizando ASP.NET.

Prerrequisitos: Sólido entendimiento de Visual Studio 2005 o Visual Studio 2008, el .NET Framework 2.0 y C#.

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Contenido

Introduction to ASP.NET

- A Review of Classic ASP
- Dynamically Creating Web Pages
- ASP Shortcomings
- ASP.NET to the Rescue
- ASP.NET Web Applications
- Creating a New Web Application
- Rendering HTML with Server Controls
- Types of Server Controls
- Using HTML Controls
- Using ASP.NET Web Server Controls
- Data Binding in ASP.NET 2.0
- Web Development in Visual Studio
- Code Behind vs. Inline Code
- Web Sites and Applications
- ASP.NET Development Server
- Multi-Targeting Support

Working with Controls

- Introduction to Web Controls
- The WebControl Class
- The Label Control
- Simple Input Controls
- TextBox Controls
- CheckBox Controls
- RadioButton Controls
- HyperLink and Button Controls
- Postback Behavior
- HyperLink Controls
- Button Controls
- Displaying Images
- Using the ImageMap Control
- List Controls
- The Sample Page
- Adding Items to Lists
- Adding Items Programmatically
- Handling Selections and Postbacks
- Clearing Selected Items
- Removing Items
- Controlling Focus
- Setting Form Defaults
- Calling the Focus() Method
- Using TabIndex and AccessKey
- Overriding Default Button Settings with Panel Controls

Themes and Master Pages

- Creating a Consistent Web Site
- ASP.NET 2.0 Themes
- Working with Themes, Folders, and Skins
- Applying a Theme
- Creating a Theme
- Working with Themes
- Creating Named Skins
- More Issues with Themes
- Master Pages
- Creating a Master Page
- Creating a Content Page
- Converting a Standard Page to a Content Page
- Adding Default Content
- Practical Master Pages
- Creating Nested Master Pages

Site Navigation

- ASP.NET Web Site Navigation
- Providers and Data Sources
- Absolute and Relative URLs
- Creating an XML Site Map File
- A Hierarchy of Nested siteMapNode Elements
- Built-in and Custom Attributes
- Site Navigation Controls
- Breadcrumbs and Hierarchical Navigation
- Using the Site Navigation API
- Accessing Current and Sibling Nodes
- URL Mapping
- Mapping URLs in Web.config
- Adjusting the Site Map
- Using Multiple Site Map Providers
- Security Trimming
- Authentication and Authorization
- The Web Site Administration Tool
- Enabling Security Trimming
- Automatic Role-Based Trimming

Displaying Data with the GridView Control

- Introducing the GridView Control
- Displaying Data with the GridView Control
- Filter Data in the GridView Control
- Create the DropDownList of Countries
- Filter the Data Based on the Selected Country
- Allow Users to Select from a DropDownList in the Grid
- Introducing Templates
- Convert the Country Filed into a Template
- Add a Hyperlink to the Grid
- Create the CustomerOrders Page
- Create the Hyperlink
- Deleting a Row and Handling Errors
- Add the Delete Link
- Add the Client-Side Alert
- Add Event-Handling Code
- What's Left?

Using Rich Server Controls

- Introduction to Rich Controls
- The Calendar Control
- Working with the Calendar Control
- Handling Calendar Events
- Adding Custom Content with DayRender
- Investigating the Client-Side Code
- The AdRotator Control
- How the AdRotator Works
- Setting Up the Advertisement File
- Adding User-Defined Elements
- Setting the Target Frame
- Filtering Images with the KeywordFilter Property
- Using the AdCreated Event
- The XML Control
- Setting the XML Control Properties
- Providing the Style Sheet

Accessing Data

- Overview of ADO.NET
- ADO.NET Classes
- The ADO.NET Architecture
- Creating ADO.NET Data Objects
- The DataTable Object
- Connecting to Data
- Setting up Connection Information
- Using the Connection Object
- Executing Commands
- Using a SqlDataReader
- Working with Data
- Working with Data Using a Data Adapter
- Managing Data with the DataSet Object
- Filling a DataTable within a DataSet
- Filling DataSets from SQL Server
- Choosing an ADO.NET Provider
- The SQL Server .NET Data Provider
- The OLE DB .NET Data Provider
- The ODBC Data Provider
- Writing Code for Multiple Providers

Introduction to LINQ

- Language Integrated Query
- LINQ Using Visual Basic and C#
- LINQ Syntax
- Basic LINQ Syntax
- Extension Methods
- LINQ and More Complex Objects
- Anonymous Types
- LINQ to SQL
- Creating a Data Model
- Calling Stored Procedures
- Using Anonymous Types with SQL
- Modifying SQL Data
- LINQ to DataSets
- LINQ to Typed DataSets
- LINQ to Untyped DataSets
- LINQ to XML
- Generating XML
- Querying XML
- Transforming XML
- Are You Done? Is there More?

Managing State

- Preserving State in Web Applications
- Methods of Preserving State
- Page-Level State
- Enabling Dynamic Page Modifications
- View State and Page Lifecycle
- Enabling Change Events
- Understanding View State
- When to Disable View State
- The Limitations of Page-Level State
- Using Cookies to Preserve State
- Working with Cookies in ASP.NET Code
- Limitations of Using Cookies
- ASP.NET Session State
- Problems in Classic ASP
- The Session Object
- Storing Objects in Session State
- Storing ADO.NET Objects in Session
- Session State Object Storage
- Configuring Session State
- Editing Configuration Files
- Session State Options
- Setting Up an Out-of-Process State Server
- Ensuring that Your Data is Serializable
- Testing StateServer Session State
- Storing Session State in SQL Server
- Configuring SQL Server Session State
- Testing SQL Server Session State
- Using Cookieless Session IDs
- Application State
- Limitations of Application State

Managing Users with ASP.NET's Membership Features

- Introduction to Membership and Roles
- Introducing Membership Management in ASP.NET
- Introducing Role Management
- The Security Services Stack
- Data Has to Go Somewhere
- Configuring Members and Roles
- Modifying Provider Behavior
- Working with Roles
- Authentication and Cookies
- Using Membership Controls
- LoginStatus Control
- Login Control
- LoginView Control
- LoginName Control
- ChangePassword Control
- PasswordRecovery Control
- CreateUserWizard Control
- Writing Code to Interact with Membership and Roles
 - The Membership and MembershipUsers Classes
 - The Roles Class
 - Creating Custom Providers
 - Setting up the XML Provider

Configuration

- Configuration Overview
- Navigating the Configuration File Hierarchy
- Configuration File Elements
- ASP.NET Configuration Tools
- Configuring Security Features
- Using the Web Site Administration Tool
- The Web Site Administration Tool Graphical User Interface
- Using the Web Site Administration Tool to Create a Custom Error Page
- Programming Configuration Files
- The Configuration APIs
- Storing and Retrieving Connection Strings
- Writing to Configuration Files
- Using External Configuration Files
- Encrypting Configuration Sections
- Protected Configuration Providers
- Encrypting the connectionStrings Section in web.config
- Encrypting External Configuration Files
- Moving Encrypted Configuration Files

Data Binding

- Introducing Data Source Controls
- Introducing Data-Bound Controls
- Reading and Write Data Using the SqlDataSource Control
- Bind a DropDownList Control
- Display Product Information in a DetailsView Control
- Filter Data Based on the DropDownList Value
- Data Source Control Events
- Should You Use the SqlDataSource Control?
- Displaying and Editing Middle-Tier Data using the ObjectDataSource Control
- Displaying XML Data Using the XmlDataSource Control
- Configuring the XmlDataSource Control
- Add the FormView Control

Validating User Input

- Overview of ASP.NET Validation Controls
- The Validation Controls
- Using the Simple Validators
- Using the RequiredFieldValidator
- Using a RangeValidator to Ensure that Data Falls within a Specified Range
- Using a CompareValidator to Compare Values
- Using the Complex Validators
- Validate General Text with the RegularExpressionValidator
- Create Your Own Validation Using the CustomValidator Control
- Summarizing Results with the ValidationSummary Control
- Display Modes for the ValidationSummary Control
- Separating Validation into Validation Groups]

Server-Side Debugging

- Server-Side Code Debugging in ASP.NET
- Using the Visual Debugger
- Configuring Debugging
- Setting Breakpoints
- Stepping Through Code
- Debugging Exceptions and Handling Errors
- The Exception Assistant
- Redirecting Users
- Debugging Stored Procedures
- Creating a Database Project
- Working with Data Connections
- Debugging Stored Procedures

Client-Side and Advanced Debugging

- Client-Side Code Debugging in ASP.NET
- Debugging Client-Side JavaScript
- Configuring Script Debugging
- Script Debugging
- Debugging Script in Dynamic Resource Files
- Limitations of Breakpoint Mapping
- Custom Data Visualizers
- A Client Data Visualizer
- Building a Custom Visualizer
- The Visualizer Class
- Deploying a Custom Visualizer
- Debugging .NET Framework Source Code
- Configuring .NET Framework Source Code Access
- Exploring the Source Code

Cascading Style Sheets

- Introducing Cascading Style Sheets
- Advantages of Using Styles
- Converting from Embedded to Linked Style Sheets
- What is CSS, Really?
- Investigating Styles
- Font Attributes
- Color Attributes
- Margins and Alignment
- Positioning
- <DIV> and
- Classes and IDs
- Grouping
- Is That All?
- Using Visual Studio 2008's Tools for Working with Styles
- Split View Editing
- Manages Styles Window
- Using the Style Application Toolbar
- Creating New Styles in the Stylesheet Editor
- Creating New Styles from the Manage Styles Window
- Using the CSS Properties Window

Módulo III.- AJAX with ASP.NET & C#

Descripción: Este modulo comienza con una discusión de las aplicaciones ricas para Internet la cual incluye código del lado del cliente, típicamente JavaScript. Aprenderás acerca de la librería cliente de AJAX, despliegue parcial de páginas, llamadas a métodos remotos, el AJAX Control Toolkit y servicios de aplicación ya construidos. Con esto redondeas tu entrenamiento para crear poderosas aplicaciones Web utilizando C# 2008.

Prerrequisitos: Sólido entendimiento de Visual Studio 2005 o Visual Studio 2008, el .NET Framework 2.0, ASP.NET 3.5 y C#.

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Contenido del módulo de Ajax

Rich Internet Applications and AJAX

- Desktop Applications
- Web Applications
- Plug-Ins
- Client-Side Scripting
- Script Code
- JavaScript in ASP.NET
- Dynamic Pages
- Efficient Page Redraws
- AJAX
- Google Maps
- Netflix
- ASP.NET AJAX
- ASP.NET AJAX Control Toolkit
- An ASP.NET AJAX-Enabled Website

Using JavaScript

- History and Standards
- Uses of JavaScript
- JavaScript in the Browser
- Embedded JavaScript
- .js Files
- JavaScript Language
- Variables
- Naming Variables
- Reserved Words
- Types
- Strings
- Numbers
- Boolean
- Operators in JavaScript
- Logical Operators
- Bitwise and Assignment Operators
- Functions
- Scope
- Arrays
- Loops
- for/in Loops in Arrays
- Selection Structures
- Exceptions
- Error Object
- Objects in JavaScript
- Creating Your Own Objects
- Using Your Objects
- Dynamically Adding a Method
- for/in Loops with Objects

Partial Page Rendering

- Partial Page Rendering
- UpdatePanel Control
- AJAX Extensions Controls
- Controlling Updates
- Triggers
- Types of Triggers
- Server Initiated Updates
- A Challenge
- Triggers Again
- Timer Control
- PageRequestManager Class
- Customization Scenarios
- PageRequestManger Event Handlers
- UpdateProgress Control
- Factors Code
- Canceling the Async Postback
- Limitations and Performance Issues
- AcmeBook Database

Remote Method Calls

- Why Remote Methods
- Designing Remote Methods
- A Web Service in an .asmx File
- Registering AJAX Web Services
- Calling AJAX Web Services
- Running the Application
- Handling Errors
- Context
- Modified Web Service
- Using Context
- Method Parameter
- Using Method Parameter
- Page Methods
- JavaScript Object Notation
- JSON Data Types
- Comparing JSON and SOAP
- SOAP Serialization
- ScriptMethod Attribute

AJAX Control Toolkit

- AJAX Control Toolkit
- ACT Controls in Visual Studio
- Hello ACT
- Intellisense for Properties
- AjaxControlToolkit.dll
- Registering AjaxControlToolkit.dll
- Extender Controls
- NumericUpDownExtender Control
- Rating Control
- Using a Style Sheet
- MaskedEdit Control
- MaskedEditValidator Control
- PasswordStrength Control
- Page Layout Controls
- Tab Controls
- Accordion Control
- CollapsiblePanel Control
- CollapsiblePanel Markup
- Popup Controls

DHTML, DOM and CSS

- What is DHTML ?
- DHTML Components
- XHTML
- Document Object Model
- Accessing DOM Nodes
- Manipulating Elements: Methods
- Manipulating Elements: Properties
- Creating and Inserting Nodes
- Removing Nodes
- DOM Events
- DOM Event API
- CSS (Cascading Style Sheets)
- CSS Syntax
- Style Sheets
- Output without the Style Sheet
- Output with the Style Sheet
- StyleSheet.css
- Using the Style Sheet
- Using a CSS Class

- Modal Popup Visual Effects
- ACT Controls and Web Services
- DynamicPopulate

Application Services

- Using ASP.NET Application Services
- Forms Authentication
- Authorization
- Built-in Authentication Service
- ASP.NET Configuration Tool
- Login Page
- Members Page
- Configuration Files
- JavaScript on Login Page
- JavaScript on Home Page
- Profile Properties
- Using ASP.NET Profile Properties
- Using Client-Side Profile Service
- Profile JavaScript Code
- Storing Profile Information

Microsoft AJAX Client Library

- Microsoft AJAX Components
- AJAX Client Library
- ASP.NET AJAX Documentation
- Using the Client Library
- ScriptManager Control
- Embedded JavaScript Files
- Client Library Namespaces
- Sys.Debug Tracing
- AJAX Client Life Cycle Events
- Enable Script Debugging
- Extending JavaScript Objects
- Test Program for Array Extension
- Test Program Code
- Array Extensions in Client Library
- Object-Oriented JavaScript
- Class
- Person Class
- Account Class
- Test Code
- Namespaces
- Inheritance
- Book Class
- Initialization
- Other Functions
- User Interface
- Top-Level Function
- Shortcut Methods
- Populating a List Box
- JavaScript in Assemblies
- Providing a ScriptReference
- Enhanced AcmeClass Application

DCInternet

Lugar:

Altadena 26. Col. Nápoles, México, D .F.

Incluye:

Material de los cursos, mochila, estacionamiento y servicio de cafetería.

IMPORTANTE:

- ❖ El material que se entrega está en inglés técnico.

Software a Utilizar:

- ❖ Visual Studio 2008
- ❖ C# 3.0
- ❖ IIS Server
- ❖ ASP.NET 3.5, ADO.NET

Material a entregar:

- ❖ Una mochila y un lápiz
- ❖ Un manual de ASP.NET 3.5
- ❖ Un manual del Programming Object Oriented with C# and Visual Studio 2008
- ❖ Un manual de Ajax with ASP.NET

Formas y condiciones de pago:

Para la inscripción, aplicación de los descuentos y aseguramiento de que el diplomado se impartirá en las fechas pactadas se requiere el pago anticipado 2 semanas antes de la fecha de inicio con depósito o transferencia bancaria a la siguiente cuenta:

- ❖ Depósito en Banamex cuenta 4923239 Suc. 575 a nombre de Desarrollo y Capacitación en Internet, S. A. de C. V. (CLABE en caso de transferencia electrónica vía Internet 002180057549232394)
- ❖ Cheque a nombre de Desarrollo y Capacitación en Internet, S. A. de C. V.

IMPORTANTE

- ❖ *Los descuentos aplican sólo en pagos por adelantado 2 semanas antes del inicio del entrenamiento y para grupos de alumnos en el mismo salón en la misma fecha.*