

ASP.NET Using Visual Basic 2005

Descripción: Este curso aprenderá a utilizar Visual Studio 2005 y Visual Basic 2005 para construir páginas Web ASP.NET y XML Web Services. Aprenderá la nueva arquitectura detrás de ASP.NET 2.0 y cómo utilizar los nuevos controles de servidor. Aprenderá a crear sitios Web consistentes utilizando *Master Pages* para mejorar el rendimiento con *output caching*, a agregar características de membresía, configurar y distribuir aplicaciones ASP.NET para autenticar usuarios y limitar su acceso a los recursos. También conocerá como direccionar a los usuarios utilizando las herramientas nuevas *Site Navigation* y a manejar conflictos de acceso de múltiples usuarios a datos.

Audiencia: Desarrolladores o arquitectos de aplicaciones Web con ASP.NET y Visual Basic 5.0.

Prerrequisitos: Conocimiento de Visual Basic 2005. Experiencia previa con ASP es deseable pero no esencial. Se cubren aspectos de ADO.NET pero existe un curso completo de ADO.NET. Como parte del diplomado ADO.NET se ve a más detalle.

Contenido

THE EVOLUTION OF APPLICATION DEVELOPMENT

- Introducing Web Development
- A Brief History of Business Computing
- The Internet and the World Wide Web
- Pulling Together Business Computing and the World Wide Web
- Distributing the Work

THEMES AND MASTER PAGES

- Creating a Consistent Web Site
- ASP.NET 2.0 Themes
- Master Pages
- Create Named Skins

INTRODUCING .NET

- A Brief History of Windows Development
- Components of a .NET Application
- .NET Framework Class Library

SITE NAVIGATION

- Providers and Data Sources
- Creating an XML Site Map File
- Site Navigation Controls
- Using the Site Navigation API
- URL Mapping
- Security Trimming

VISUAL STUDIO .NET

- .NET and Visual Studio .NET
- The Development Environment
- Building a .NET Project

INTRODUCTION TO ASP.NET

- A Review of Classic ASP
- ASP.NET Web Applications
- Rendering HTML with Server Controls
- Data Binding in ASP.NET 2.0
- Working with Web Controls
- Displaying Data in Web Controls

WHAT'S NEW IN ASP.NET 2.0

- New Features in ASP.NET 2.0
- Designer Features
- Deployment and Configuration Tools
- Increasing Productivity

WORKING WITH CONTROLS

- Introduction to Web Controls
- Simple Input Controls
- HyperLink and Button Controls
- List Controls
- Controlling Focus
- Creating Web Forms Controls
- Making Web Forms Controls Work

USING RICH SERVER CONTROLS

- Introduction to Rich Controls
- The Calendar Control
- The AdRotator Control
- The XML Control

ACCESSING DATA

- Overview of ADO.NET
- Connecting to Data
- Executing Commands
- Working with Data
- Choosing an ADO.NET Provider

CONFIGURATION

- Configuration Overview
- Using the Web Site Administration Tool
- Programming Configuration Files
- Encrypting Configuration Sections
- Reading Application Settings from Web.config

DISPLAYING DATA WITH THE GRIDVIEW

CONTROL

- Introducing the GridView Control
- Filter Data in the GridView Control
- Allow Users to Select from a DropDownList in the Grid
- Add a Hyperlink to the Grid
- Deleting a Row and Handling Errors

CREATING NEW CONTROLS IN ASP.NET

- Two kinds of User-Defined Controls
- Creating a User Control
- A More Complex User Control
- Creating a Custom Control
- Investigating the StateDropDownList Control

MANAGING STATE

- Preserving State in Web Applications
- Page-Level State
- Using Cookies to Preserve State
- ASP.NET Session State
- Storing Objects in Session State
- Configuring Session State
- Setting Up an Out-of-Process State Server
- Storing Session State in SQL Server
- Using Cookieless Session IDs
- Application State

MANAGING USERS WITH ASP.NET'S MEMBERSHIP FEATURES

- Introduction to Membership and Roles
- Using Membership Controls
- Writing Code to Interact with Membership and Roles

IMPROVING PERFORMANCE WITH OUTPUT

CACHING

- The Importance of Caching
- Declarative Page Output Caching
- Caching Page Fragments
- Post-Cache Substitution
- Caching Configuration

DATA BINDING

- Introducing Data Source Controls
- Reading and Write Data Using the SqlDataSource Control
- Displaying and Editing Middle-Tier Data using the ObjectDataSource Control
- Displaying XML Data Using the XmlDataSource Control

VALIDATING USER INPUT

- Overview of ASP.NET Validation Controls
- Using the Simple Validators
- Using the Complex Validators
- Summarizing Results with the ValidationSummary Control
- Separating Validation into Validation Groups

USING THE DATALIST AND REPEATER

CONTROLS

- Overview of List-Bound Controls
- Creating a Repeater Control
- Creating a DataList Control

CREATING AND CONSUMING WEB SERVICES

- The Motivation for XML Web Services
- Creating an XML Web Service with Visual Studio
- Designing XML Web Services
- Creating Web Service Consumers
- Discovering Web Services Using UDDI

Duración aproximada:

36-40 horas

Lugar:

Altadena 26 Col. Nápoles

Incluye:

Incluye material del curso en inglés, servicio de galletas, café y refrescos, estacionamiento y diploma de participación en el curso.

Formas de pago:

Este pago puede realizarse de las siguientes maneras:

1. 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)
2. Cheque a nombre de Desarrollo y Capacitación en Internet, S. A. de C. V.
3. Tarjetas de Crédito Visa o Master Card