

ASP .NET Course



e-Learning Course

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COURSE MODULES

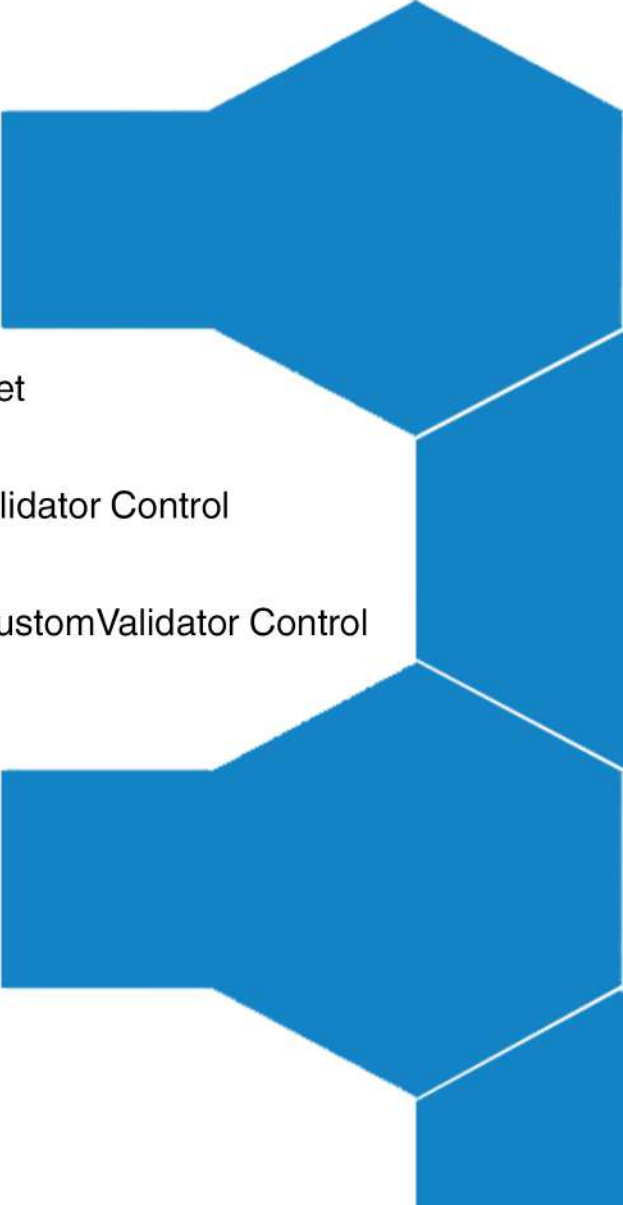
Introduction To Web Applications

- Web applications with Web Server
- Web Server role, about IIS, APACHE, and CASSINI
- Web Browsers, Web Support Languages
- Understanding http, TCP/IP, LAN, WAN & O/S role in web development

Introduction to ASP .NET

- Intro to .NET
- .NET Framework
- CLR, CTS, MSIL, & Other Tools
- Installing & Configuring Visual Studio .NET
- AJAX

ASP.NET WEB FORMS

- Introducing Web Forms, Worker process
 - Working with Server Controls
 - Applying Styles to Controls, Themes, Skins, etc.,
 - Implementing ASP.NET Server Controls
 - Validating Form with Validation Controls of Asp.net
 - Using RequiredFieldvalidator control
 - Using CompareValidator Control Using RangeValidator Control
 - Using CustomValidator control
 - Create Server-side / Client-side functions for – CustomValidator Control
 - Group Validations & avoiding Validations.
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ASP.NET BOUND CONTROLS

- ASP.Net bound controls
- DataSource Controls
- Repeater
- DataBound and DataAware Controls
- Bind data to Dropdownlist Control
- Datalist control
- DataGrid
- GridView
- FormView & DetailsView
 - ListView

AJAX (ATLAS)

- Introduction to Microsoft AJAX. (Code name ATLAS)
- XML Http object
- Programming with XML HTTP Object
- Advantages and Disadvantages of AJAX.
- Features of AJAX.
- MS Implementation of AJAX

ASP.NET ERROR HANDLING

- Error Handling & .NET Runtime
- Avoid Errors before they occur
- Structured Error Handling
- Catching General Exceptions
- Catching Specific Exceptions
- Throwing Exceptions
- Custom Exceptions
- Page Level Error Handling
- Application-Level Error Handling

USER CONTROLS

- Creating User Controls
- Adding member to user controls.
- Registering User Controls
- Properties & Methods
- Dynamically loading user controls
- Master Pages

CONFIGURING ASP.NET APPLICATION

- Web Application configuration-Advantages.
- New Configuration Model, ASP.NET Config Tool
- Web Application Machine Configuration
- Global Assembly Cache, Strong Names VS2005.
- Working with Assembly Info
- Web.Config, Machine.Config
- Process Model –System Configuration.

ASP.NET WEB APPLICATIONS

- About Session & Application object
- Comparison between Session & Application
- Using the Global.asax file
- Managing Application State
- Http Handlers
- Application & Session Variables
- Application & Session Events

CACHE SERVICES

- Caching Overview
- Advantages of Caching
- Comparing with Application & Session var's
- Page Output Caching
- Page Data Caching
- Fragment Caching



SECURITY

- Security Overview
- Authentication & Authorization
- Windows-based Authentication
- Passport Authentication. (WebServices)
- Forms-based Authentication
- Memberships
- Authorizing Users and Roles
- User Account Impersonation