



ASP.NET

INTRO TO WEB TECHNOLOGIES

- ✓ HTML
- ✓ Client side scripting langs
- ✓ IIS Architecture

ASP.NET INTRODUCTION

- ✓ What is ASP.NET
- ✓ Image Technique and code behind technique

SERVER SIDE CONTROLS

- ✓ Type of server controls
- ✓ Examples on Web server controls
- ✓ Validation Controls
- ✓ ASP.NET Page Execution Architecture

THEME AND SKIN STATE MANAGEMENT

- ✓ Cookies
- ✓ Session State
- ✓ Session Tracking Arch
- ✓ Application object
- ✓ Session and App events
- ✓ Global. AJAX
- ✓ Viewstate

ADO.NET

- ✓ Intro to ADO.NET Providers
- ✓ Data Reader
- ✓ Dataset
- ✓ Datalist
- ✓ Repeater
- ✓ Datasource Controls

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AJLON TECHNOLOGIES

- ✓ Grid view
- ✓ Details view
- ✓ List view

LINQ CACHING

- ✓ Importance of Caching-
- ✓ ASP 4.5 Support for Caching
- ✓ Type of Caching in ASP.NET
- ✓ Output Caching
- ✓ Web user control(VS) custom control
- ✓ Fragment caching
- ✓ Data caching vs Application object

ASP.NET CONFIGURATION

- ✓ Machine config vs Web config
- ✓ App Settings
- ✓ Compilation setting
- ✓ Custom error setting
- ✓ Session State Setting
- ✓ Enhancement in ASP.NET
- ✓ Inprocess VS out process session state
- ✓ State server and SQL Server
- ✓ Cookie less session

ASP.NET TRACING

- ✓ Page Level
- ✓ Application Level

E-mail Server SECURITY IN ASP.NET

- ✓ Authentication & Authorization
- ✓ Windows Based Authentication
- ✓ Form Based Authentication
- ✓ Passport Authentication
- ✓ Membership

XML WEB SERVICES

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AJLON TECHNOLOGIES

- ✓ Intro to Web Services
- ✓ Role of WSDL .NET support for XML Web Service
- ✓ Client Apps for Web Service
- ✓ Caching Web Service
- ✓ SOAP
- ✓ UDDI Registry

WCF MASTER PAGES SITE NAVIGATION WEB PARTS

- ✓ Web part manager

C#.NET / VB.NET

.NET ENTERPRISE ARCHITECTURE 4.5

- ✓ Introduction to the .NET platform
- ✓ Common Language Run Time (CLR)
- ✓ The Common Type Specification (CTS)
- ✓ The Common Language Specifications (CLS)
- ✓ Microsoft Intermediate Language (MSIL)

C#.NET Language Basics

- ✓ Data Types -Type Conversion
- ✓ Boxing & Unboxing
- ✓ Conditional Statements
- ✓ Looping
- ✓ Methods in C#
- ✓ Properties
- ✓ Arrays
- ✓ Indexers
- ✓ Structures, Enumerations
- ✓ Strings
- ✓ Collections

Objects Oriented Programming

- ✓ OOps Concepts
- ✓ Encapsulation
- ✓ Inheritance

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AJLON TECHNOLOGIES

- ✓ Polymorphism
- ✓ Class and Object
- ✓ Constructors
- ✓ Dynamic types
- ✓ Optional parameters
- ✓ Names & optional arguments
- ✓ Covariant generic type parameters
- ✓ Destructors
- ✓ Method overloading
- ✓ Method overriding
- ✓ Early binding, Late Binding
- ✓ Abstract Classes
- ✓ Abstract Methods

- ✓ Interfaces
- ✓ Multiple Inheritance
- ✓ Generic classes
- ✓ Static classes
- ✓ Static constructors
- ✓ Object initializer
- ✓ Collection Initializer

- ✓ Extension Methods
- ✓ Partial Classes & Methods

Memory Management

- ✓ Garbage Collector
- ✓ Stack and Heap
- ✓ System. GC Class
- ✓ System. Object Class
- ✓ Architecture of Gc

Exception Handling

- ✓ System Defined Exceptions
- ✓ Custom Exceptions
- ✓ Try, Catch, Finally
- ✓ Throwing exceptions

Operator Overloading GUI Application Development

- ✓ Windows forms and Controls

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AJLON TECHNOLOGIES

- ✓ Creating Menus
- ✓ Toolbars, Image List
- ✓ Tree view, List view
- ✓ Notify Icon
- ✓ Error Provider

Data Base Programming (ADO.NET)

- ✓ ADO .NET Introduction
- ✓ Data Providers in .Net
- ✓ Introduction to Managed and Unmanaged Providers
- ✓ Data Readers- Dataset and Data Adapters
- ✓ Datagrid View with DML operations sorting and paging etc.
- ✓ Creating Relations and Transactions
- ✓ Linq programming
- ✓ Stored procedures

ASSEMBLIES

- ✓ Private Assemblies
- ✓ Shared Assemblies
- ✓ Global Assembly Cache (GAG)

Delegates

- ✓ Function Pointers
- ✓ Multi cast delegates

User Controls and Event Handling

- ✓ User Defined Control
- ✓ Inherited Control
- ✓ Event handling

Pointers

- ✓ Value types, Reference types
- ✓ Unsafe Structures and Pointers

Distributed Technologies & .NET Remoting

- ✓ Distributed architecture

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AJLON TECHNOLOGIES

- ✓ DCOM, RMI, CORBA
- ✓ Channels (TCP HTTP) Marshal by Value
- ✓ Marshal by Reference
- ✓ Server Activated
- ✓ Client Activated
- ✓ Remoting Architecture

File Handling

- ✓ System .IO namespace
- ✓ File stream
- ✓ Stream Reader
- ✓ Stream writer
- ✓ Fileinfo
- ✓ Directory info

Windows Services

- ✓ Service base class
- ✓ Service Process installer
- ✓ Service Installer

- ✓ Creating a Windows Service
- ✓ Installutil .exe

Multi threading

- ✓ Threading
- ✓ Thread synchronization
- ✓ Critical sections
- ✓ Thread life cycle

Security in .NET

- ✓ Cryptography
- ✓ Role based security VB.NET

INTRADUCTION TO VB.Net

- ✓ Features of VB.NET
- ✓ Writing Programs in VB.Net
- ✓ Compiling and executing form Command Prompt

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AJLON TECHNOLOGIES

- ✓ Intro to Assemblies and Namespace
- ✓ Base class Libraries
- ✓ Data types
- ✓ Boxing and unBoxing
- ✓ Array
- ✓ Sub Programs

VB.NET and C# Comparison

- ✓ Program structure
- ✓ Comments
- ✓ Data Types
- ✓ Constants
- ✓ Enumerations
- ✓ Operators
- ✓ Choices
- ✓ Loops
- ✓ Arrays
- ✓ Functions
- ✓ Strings
- ✓ Regular Expressions
- ✓ Exceptions Handling
- ✓ Classes/Interfaces

- ✓ Constructors/Destructors
- ✓ Using Objects
- ✓ Structs
- ✓ Properties

CRYSTAL REPORTS

LOCALIZATION AND GLOBALIZATION

- ✓ Resource file creation
- ✓ Satellite Assembly Creation
- ✓ Creating Globalization App and Localization App

WPF Programming

- ✓ Shapes
- ✓ Transformation

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✓ Animation

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