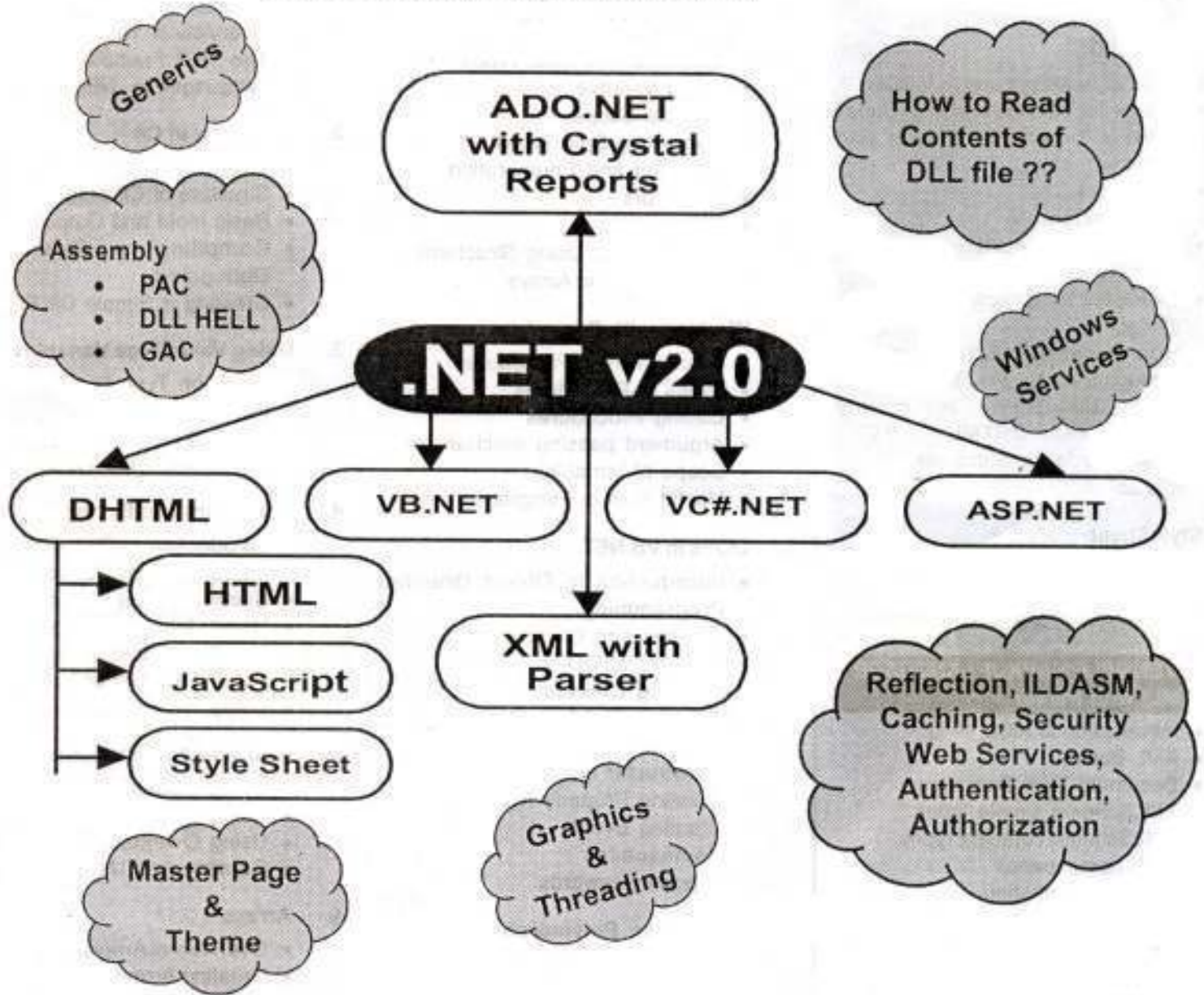


Learn .NET the way the Industry wants it.

Microsoft .net 2.0 with AJAX

Smart Thinking, Easy Deploying



HO : 4th Floor, IDCO Tower, 1 Janpath, Bhubaneswar - 751022, Orissa,
Phone : 0674-2542520, 3293010

BO : 1st Floor, Manorama Complex, Main Road, Gandhi Nagar,
Berhampur - 760001, Orissa, Phone : 0680-3290716

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Microsoft .Net Technologies

DHTML

1. HYPERTEXT MARKUP LANGUAGE (HTML)

- Introduction to Internet
- Introduction to HTML
- Head and Body Sections
- Designing the Body Section
- Ordered and Unordered Lists
- Table Handling
- DHTML and Style Sheets
- Frames and Forms

2. JavaScript

- What is JavaScript and its features ?
- Syntax For Writing JavaScript Code
- What is the use of window and document object ?
- Operators
- Array Declaration
- Conditional statements and Looping
- Examples for practice use @ Lab ?
- How to call JavaScript functions through Events of button.
- How JavaScript is mainly responsible for DHTML ?
- Examples for practice use @ Lab ?

3. StyleSheet

- External StyleSheet
- Internal StyleSheet
- Inline StyleSheet

4. EXTENSIBLE MARKUP LANGUAGE (XML) with Parser

- Introduction to XML
- XML Basics
- Document Type Definition
- XMLSchema simple types
- XMLSchema complex types
- XML namespaces
- XSL transformation
- XPath Language
- Cascading StyleSheets
- XLink and XPointer
- XMIDOM

PROGRAMMING IN VB.NET

1. Overview of the .NET Platform

- Overview
- Introduction to .Net Platform
- Overview of .Net Framework

- Benefits of .NET Framework
- The .Net Framework Components
- Languages in .NET Framework

2. Programming in Visual Studio.NET

- Introduction to Visual Studio .Net
- Introduction to Windows Forms
- VS.Net Solution and Projects
- The VS.Net Interface
- Event Driven Programming
- Simple Application using VS.Net
- Introduction to Forms

3. Using Variables and Arrays

- Introduction to Data Types
- Using Variable
- Variable Scope
- Converting Data Types
- Constant and Enumeration
- Operators
- Statements
- Creating and Using Structures
- Storing Data in Arrays

4. Working with Procedure

- Introduction to Procedures
- Types of Procedures
- Calling Procedures
- Argument passing mechanism
- Scope of Variables
- Useful Built-in Functions

5. OOPs in VB.NET

- Introduction to Object Oriented Programming
- Classes and Objects
- Features of OOPs
- Creating Classes
- Creating Fields and methods of classes
- Constructor and Destructor
- Creating Property Procedures
- Creating Events
- Namespaces
- Imports Keywords

6. Inheritance, Polymorphism and Interfaces

- Inheritance
- Overriding methods and properties
- MyBase Keyword
- MyClass Keyword
- Abstract Base Classes
- Shared Members
- Polymorphism
- Interfaces

7. Handling Error and Exception

- Introduction to Exception
- Unstructured Error Handling using on error Statement
- Err Object
- Structure Exception handling
- User Defined Exception

PROGRAMMING IN C#.NET

1. Overview of .NET Platform

- Overview
- Introduction to .NET Platform
- Overview of .NET Framework
- The .NET Framework components
- Languages in .NET Framework

2. Overview of C#

- Overview
- Structure of C# program
- Basic Input and Output Operation
- Compiling, Running and Debugging
- Creating a Simple C# Program

3. Using Value Type Variable

- Common Type System
- Naming Variables
- Using Built-in Data Types
- Converting Data Types

4. Statement and Exception

- Introduction to Statements
- Using Selection Statements
- Using Iteration statements
- Using Jump Statements
- Handling Basic Exception
- Raising Exceptions
- Using Exception

5. Methods and Parameters

- Using Methods
- Using Parameters
- Using Overloaded Methods
- Creating and Using Methods

6. Arrays

- Overview of Arrays
- Creating Arrays
- Using Arrays

7. Essentials of Object Oriented Programming

- Classes and Objects
- Using Encapsulation
- C# and Object Orientation

- Creating and Using Classes
- Defining Object-Oriented System

8. Using Reference Type Variables

- Using Reference Type Variable
- Using Common Reference Type
- The Object Hierarchy
- Namespaces in the .NET Framework
- Data Conversions

9. Creating and Destroying Objects

- Using Constructor
- Initializing Data
- Creating Objects
- Objects and Memory
- Resource Management

10. Inheritance in C#

- Overview
- Deriving Classes
- Implementing Methods
- Using Sealed Classes
- Using Interfaces
- Using Abstract Classes
- Using Inheritance to Implement Interface.

11. Aggregation, Namespace, and Advance Scope

- Using Internal Classes, Methods, and Data
- Using Aggregation
- Specifying Internal Access
- Using Namespaces
- Using Modules and Assemblies

12. Operators, Delegates and Events

- Introduction to Operators
- Operator Overloading
- Defining Operators
- Creating and Using Delegates
- Defining and Using Events

13. Properties and Indexers

- Overview
- Using Properties
- Using Indexers

14. Attributes

- Overview of Attributes
- Defining Custom Attributes
- Retrieving Attribute Values

DATABASE CONNECTIVITY

- SQL Server
- Oracle
- MS Access

DEVELOPING .NET APPLICATION FOR WINDOWS & ADO.NET

1. Introducing Windows Forms

- Overview
- Creating a Form
- Adding Controls to a Form
- Creating an Inherited Form
- Organizing Controls on a Form
- Creating MDI Application

2. Working With Controls

- Using Dialog Boxes in a Windows Forms Application
- Adding Controls at Runtime
- Creating Menus
- Creating Status Bars
- Creating Status Bars
- Creating Toolbars
- Validating User Input

3. Building Controls

- Overview
- Extending and Creating Controls
- Adding Design-Time Support for Controls
- Licensing a Control

4. Using Data in Windows Forms Application

- What is ADO .NET
- What are the Data-Related Namespace
- Evolution of ADO to ADO.NET
- The ADO.NET Object Model
- Using ADO.NET Classes in Connected Scenario
- Using ADO.NET classes in Disconnected Scenario
- Data Provider Classes

5. Connecting to Data Sources

- Overview
- Choosing a .NET Data Provider
- Defining a Connection
- Handling Connection Events
- Handling Connection Exception
- Connection Pooling

6. Performing Connected Database Operations

- Working with Connected Environment
- Object Model for Connected Environment
- Building Command Objects
- Building Command Parameters
- Executing Command Object That return a single value

- Executing Command Object that return rows
- Executing Command Object that do not return rows
- Working with Stored Procedure
- Using Transaction

7. Building Datasets

- Working in a Disconnected Environment
- The Dataset Model
- Building Datasets and Data Tables
- Binding and Saving a Dataset
- Defining Data Relationship
- Modifying Data in Data Table
- Sorting and Filtering

8. Reading and Writing XML with ADO.NET

- Creating XSD Schemas
- Loading Schemas and Data into Datasets
- Writing XML from a Dataset

9. Building Datasets from Existing

- Data Sources
- Configuring a Data Adapter to Retrieve Information
- Populating a Dataset Using DataAdapter
- Retrieving Data into a Disconnected Application
- Configuring a Data Adapter to Update the Underlying Data Source
- Persisting Changes to a Data Source
- How to Handel Conflicts

10. Developing Components in Visual Basic.NET

- Component Overview
- Creating Serviced Component
- Creating Component Classes
- Creating Windows Forms Controls

11. Interoperating With Managed Objects

- Using .Net and COM Component in a Windows Application
- Calling Win32 APIs from Windows Forms Application
- Interoperating with COM and calling Win32 APIs

12. Printing and Reporting in Windows Forms Application

- Printing form a Windows Forms Application
- Using the Print Preview, page Setup, and Print Dialogs

- Constructing Print Document Containing by using GDI+
- Creating Reports by Using Crystal Reports
- Printing Formatting Documents

13. Enhancing the Usability of Applications

- Adding Accessibility Features
- Adding help to an Application
- Localising an Application

14. Deploying Windows Form Application

- Describing Assemblies
- Choosing a Deployment Strategy
- Deploying Application
- Packaging a Component Assembly
- Deploying a Windows Based Application

DEVELOPING WEB APPLICATION USING ASP.NET

1. An Introduction to ASP.NET

- Introduction to ASP.NET
- ASP.NET and .NET Framework
- Characteristics of ASP.NET
- Getting Started With ASP.NET

2. ASP.NET Web Form Pages

- ASP.NET Web Form Pages
- Creating a Simple ASP.NET Page
- View State
- Web Control
- Event – Driven Programming Model
- Structure of an ASP.NET Page
- Working with Visual Studio.Net

3. Creating ASP.NET Pages

- Working with Basic Web Control
- Working with the Label Control
- Working with the TextBox Control
- Working with Button Controls
- Page Navigation
- Working with RadioButton Controls
- Working with Checkbox Controls
- Working with DropDownList Control
- Working with Image Control
- Working with View State
- Controlling Visibility of Content
- Formatting Web Controls
- Applying CSS to Web Controls

4. Advance ASP.NET Controls

- Panel Control
- Placeholder Control

- AdRotator Control
- Calendar Control
- Validating Client Data
- ASP.NET Validation Controls
- RequiredFieldValidator Control
- CompareValidator Control
- RangeValidator Control
- RequiredExpression Validator Control
- ValidationSummary Control
- CustomValidator Control
- Disabling Validation

5. Runtime Programming With Controls

- Multiple Forms
- Adding Controls at Runtime
- Dynamically Generating Forms
- Dynamically Generating List Items

6. Creating Reusable Code

- User Controls
- Properties and Methods of User Controls
- Using Web Controls in User Controls
- Events in User Controls
- Dynamically Adding User Controls
- Separating Code From Presentation
- Components
- Using Code-Behind

7. Data Access – ADO.NET

- Overview of ADO.NET
- Common Database Tasks
- Data Binding
- Binding Data to a Repeater Control
- Binding Data to a List Control
- Binding Data to Miscellaneous Controls
- Binding Data to a Data List Control
- Binding Data to a Data Grid Control

8. Advance Data Access

- Introduction to Datasets
- Elements of Datasets
- Using a Dataset in an ASP.NET Page
- Updating Records in a Data Table
- Working with DataViews
- Caching DataSets
- Using .NET XML Classes in ASP.NET

9. ASP.NET Applications

- Introduction to ASP.NET Applications
- Using Global Application File
- Configuring ASP.NET Applications

- Overview of Web.Config File
- HTTP Handlers and Modules
- Deploying ASP.NET Application

10. ASP.NET Session

- Web Forms and State Management
- Cookies
- Session State
- Session Events
- Cookieless Sessions

11. Working With ASP.NET

- Application
- Caching
- Page Output Catching
- Page Fragment Caching
- Page Data Caching
- Application Errors
- Page Level Error Handling
- Application Label Exception Handling
- Application Tracing
- ASP .NET Debugger

12. Securing Application

- Introduction
- Authentication Services
- Forms Authentication
- Windows Authentication
- Configuring IIS
- Configuring Windows Security
- Impersonating User Accounts

13. Web Services

- Introduction to Web Services
- Architecture
- Feature and Benefits
- Web Service Contracts
- Creating a Web Service
- Creating a Client Web Application
- Data-Driven Web Services
- Interacting with a Web Site

14. Custom Controls

- Need of Custom Controls
- Creating a Simple Custom Control
- Control Class Hierarchy
- Adding Properties and Methods
- Control events
- Handling Postbacks
- Composite Controls
- Inheriting from Existing Controls
- Accessing Context
- Debugging a Control Deploying ASP.NET Web Application