

Dot Net Framework 3.5: Fundamentals of Microsoft C#.NET Windows Application Development

Duration: 60 Hours

What you will learn

This course is your first step towards success as a Dot Net professional, designed to give you a firm foundation in basic Dot Net framework. In this class, you'll learn how to install and maintain Dot Net framework, to develop web application. You will gain conceptual understanding of Dot Net Technologies and how its components work and interact with one another. You will also learn how to create a web application and window application in an effective and efficient manner including developing web service, application software's, database connectivity's and deploying Dot Net applications. The lesson topics are reinforced with structured hands-on practices. This course is designed to provide depth knowledge on Dot Net technologies, and to make you an expert on these technologies.

Learn To

Install Dot Net framework

Basic coding standards

Database connectivity

Application Development

Deploying software/Application

Scope

Software Architect

Windows Application Developer

Dot Net Programmer

Technical consultant

Software Associate

Software Engineer

Prerequisites

Basic Programming Knowledge

Course Objectives

To understand;

Basic functioning in Dot Net Framework 3.5

Web & window application development

Database connectivity development

Deploying the Dot Net developed application.

Course Topics

SQL

Introduction

DML

DDL functions

Group by, Having, Join

Stored Procedures

Introduction

NET and Visual Studio 2008

Net Projects

Common Language Runtime

Visual Studio 2008

IntelliSense

Language Syntax

Basic C# Syntax

Comments

Data types

Variables

Operators

Conditional Statements

Looping Structures

Functions

Classes & Objects

Classes and Objects

Partial Classes

Methods, Properties and Events

Constructors

Property Procedures

Enumerations

Reference vs. Value Types

Structures

Namespaces

Arrays & Collections

Arrays

Resizing Arrays

Array Lists & Hash Tables

Generic Collections

Windows Forms and Controls

Control Class

Buttons

Text Boxes Labels, Literals

Image Controls Picture Box Control

Panel Control

Combo Box Control

List Boxes

Dropdown Lists

Date Time Picker Control

Link Labels

Check Boxes

Check Box Lists Radio Buttons

Radio Button Lists

Rich Text Box Control

Tab Control

Tool Strip Control

Menu Strip Control

Creating Custom Controls

Create New Controls for Forms

Create a control from an Existing
Control and Add Functionality

Creating MDI Applications

MDI Applications

MDI Parent and MDI Child Forms

Manage Menus

Printers and Printing

System, Drawing, Printing Namespace

Print Document, Printer Settings

Page Settings

Print Preview Control

Page Setup Dialog

Print Preview Dialog

Print Dialog Controls

ADO.NET (Working with Database)

Overview of ADO.NET

Connection Object

Command Object

Data Readers

Data Sets & Data Adapters

Execute non-query, Execute scalar

Data Grid View Control

XML

Reading and Writing XML

Programmatically Important Classes in the System

XML Namespace

Read and Write XML Nodes and Attributes

Building Setup Applications

Installation Package

Customize a Setup Project

Control Installation of an Application

Specify Conditions of an Install

Custom Actions for after an Installation

Exception Handling

Exception Class

Try, Catch, Finally

Working with Exception Handling

File Handling

System, IO Namespace

Working with Directories and Files

Read and write file

Stream Reader and Stream Writer Classes