

# Visual Basic 6: Designing and Implementing Desktop Applications

## 2 day course

### Overview

Students will learn how to develop desktop applications using Visual Basic 6.0 that conform to the Microsoft Solution Framework. They will plan the physical design, create user services, create and manage COM components, test, deploy, and maintain desktop applications.

### Prerequisites

Visual Basic 6.0 Introduction or equivalent. Specifically, the student must be able to use Visual Basic 6.0 to develop a simple Windows application. Isolate, identify, and correct errors in a Visual Basic application. Develop and work with Microsoft Word, Excel, and Access files.

### Benefits

Students will learn how to create complex desktop applications using Visual Basic 6.0.

### Target student

Students enrolling in this course should understand Visual Basic terminology, the steps to create an application, modular environments, and the relationship between controls and events.

---

## Course Content:

### Debugging and Error Handling Review

- Debugging Techniques and Tools
- Error Trapping

### Introduction to COM

- Class Modules
- Building Class Modules Manually
- Using Class Builder

### Using the Power Of COM

- Creating COM Components
- Threading Models
- Testing Components

### Using COM Components

- Using COM Components from Other Applications
- Creating Objects for Components Four Ways

### Introduction to Data Access

- Adding the Data Environment Designer
- Retrieving Data from Connection
- Data Services and ADO

### Presenting Data

- Shaping and Organizing Data
- Presenting On-screen Data
- Printed Reports

### ActiveX Controls

- ActiveX Controls and Constituent Controls
- Using Layer of Automation To Provide Property And Method Visibility
- Property Pages
- Data Aware Controls

### Implementing Help

- Setting Help File Properties

- Implementing Tool Tips

**Package and Deployment Wizard**

- Preparing Your Application
- Optimization and Deployment
- Deploying Your Application

**Visual SourceSafe**

- Adding Visual SourceSafe to Your Project
- Using Visual SourceSafe

**Using SQL**

- SQL Overview
- SELECT Statements
- Cursors
- Record Locking
- Stored Procedures

**Internet Applications**

- WebBrowser Control
  - What Is an Active Document?
-