

Excel VB Custom Solutions Development

Learn How To Make Microsoft Excel Do Everything You Want and Nothing You Don't. *Become An Excel VB Solutions Developer Today!*

During This 4-Day Coaching, You Will Learn To:

- Understand how Visual Basic talks to Excel especially as it relates to Exploring/Handling Objects.
- Use the Macro Recorder to automate repetitive tasks.
- Get Visual Basic to move beyond the limitations of a recorded macro by adding/writing your own code.
- Debug your Excel VB applications using VBA's debugging tools.
- Write macros that make decisions and repeat actions in a loop.
- Write your own functions that you can use from a worksheet as well as from other macros.
- Make applications easy for others to use by adding Active X controls to the worksheets and custom forms.
- Make applications that respond to actions that a user takes, such as clicking on a worksheet or object.
- Build a complete application that retrieves information from an external database and presents it to the user.

BONUS: FREE CD containing workbook tutorials covering major topics/exercises.

Course Benefits

Businesses - Micro, Small, Medium or Large - sometimes have peculiar data handling/analysis and report generation needs, that can often not be met by existing, commercial type off-the-shelf applications. Also, sometimes when out of the box solutions do exist, their costs are prohibitive.

MS Excel VB offers virtually any user with reasonable proficiency the ability to exploit the intrinsic capabilities of Excel to develop custom automated solutions that meet the needs of the organisation better than any generic package - and that at a fraction of the cost of the latter.

In this programme you will be introduced to Excel VB programming. You will be shown how to automate routine tasks, build graphical user interfaces that work and boost user output etc.

Who Should Attend

This coaching programme is designed for Excel Users who already have considerable mastery of Excel and now wish to step up to a higher level by automating the tasks they routinely carryout in Excel by writing macros.

I am keen to encourage individuals and organisations to explore using Excel VBA programming to develop niched, customised spreadsheet applications that will solve typical problems end-users encounter daily in trying to record/analyse data and generate reports.

To illustrate, I have personally successfully created a niched market for myself by doing that here in Nigeria. I will show attendees evidence of how ONE of my Excel VB applications has been purchased for as much as N100,000. It should interest you to know that financial rewards accruable from this are only limited by your ability to create what others will have acknowledged as a REAL-LIFE problem they wish to be rid of.

To fully appreciate what I mean, visit <http://cbstudio.biz> to see demos of commercial quality Excel VB applications I have on sale.

Requirements

Prospective attendees of this programme will be required to demonstrate practically, an acceptable mastery of certain essential Advanced features of MS Excel. This is because true mastery of Microsoft Excel is imperative if one is to be effective at developing robust and reliable automated spreadsheet solutions. **No previous programming experience is required.**

The coaching programme titled "**Microsoft Excel Power User™ Coaching**" is currently available for interested persons/groups, and is designed as a pre-requisite for this programme: "**Excel VB Custom Solutions Development Coaching**".

Basic knowledge/ familiarity with Microsoft Windows, the Internet and the World Wide Web - so as to be able to take advantage of many online learning resources we will refer you to - is expected for maximum benefit to be achieved in learning. Much as we will try to facilitate your learning, you will need to apply yourself diligently during class exercises and in your free time to achieve adequate proficiency.

INTRODUCTION

1. What is Visual Basic For Applications

- User-friendly language for end users
- Can be used to control all Office/other packages
- Helps users develop solutions cheaper/quickly
- How it differs from Standalone Visual Basic

2. MS Excel VB(Macros)

- Macro Recorder - Your coach
- For maximum productivity, you will need to write your own code.

THE EXCEL VB EDITOR INTERFACE

1. Identifying/Using Code Design Tools

- Project Explorer • Help Documentation System
 - Code Window • IntelliSense/AutoComplete
 - Properties Window • Object Library/Browser
- ### 2. The debugging tools/how to use them
- Stepping into a macro • Immediate Window
 - Breakpoints • Auto Data Tips

WRITING VB CODE

1. Launching Macros With Events

- The role of events in Windows • How events are triggered • Responding to events through event procedures

2. Understanding/Controlling Objects

- Properties • Methods • Events • Collections
- Using With...End With

3. Storing Data In Variables

- How and when to declare variables • Selecting data types. • Fixed and dynamic arrays.
- Constants. • The scope and lifetime of variables.

4. Conditional Branching

- If...Then...Else • Select...Case
- Looping Through Code
- Do...Loop, While and Until
- For...Next and For Each...Next

5. Building Procedures

- Creating Sub and Function procedures • Calling procedures • Passing arguments to procedures.

CASE STUDY: Build Excel VB macros to put together an elaborate Month end report(that normally takes hours to prepare) in a few minutes

BUILDING INTUITIVE USER INTERFACES

1. Using intrinsic dialogs

- Communicating with the user through the message box. • Gathering user-information with the input box.

2. Creating customised dialogs with UserForm objects

- Command buttons • Text boxes
- List and Combo boxes • Option buttons
- Check boxes • Labels • Frames
- Adding more functionality with advanced ActiveX Controls

3. Modifying Menus And Toolbars

- Simplifying user interaction with the CommandBar object. • Adding and removing CommandBar Control objects

MAKING YOUR APPLICATIONS ERROR-RESISTANT, SECURE & SAFE

1. Handling RunTime Errors

- The On Error GoTo Structure
- Classifying errors with the Err Object
- Continuing execution with Resume, Resume Next or Resume *label*

2. Implementing Security

- The dangers of macro viruses
- Macro security levels in Excel - and how they can create unpleasant user experiences.
- Applying digital signatures to macros
- Password protecting your VBA code

CASE STUDY: Creating a custom menu-driven automated and error-resistant Loan payment calculator for use by inexperienced Excel users.

HANDS-ON LEARNING

During the 4-day coaching, you will perform extensive hands-on exercises to reinforce the knowledge and skills presented in class. Exercises include:

1. Creating an automated Invoice Generator that allows invoice preparation for different client type using varying prices for each item/service as appropriate.
2. Building an application that accepts entries of bank deposits/withdrawals via custom User Form and automatically generates an updated bank balance(Attendees will leave with these applications they create).
3. Use Excel's Powerful Index/Match formulas in conjunction with Excel VB code to create an auto-updatable menu-driven Client Contact Information Database/Directory.
4. Creating a tamper-proof User Login Interface for your application including "Change Password" and "Logged in Status" / "Logout" functionality.

Download demos of my Excel VB applications from <http://www.cbstudio.biz> to see the above at work.

Time: 9am - 4pm daily
Fee: N45,000 per person

To Enroll, Please Call: 234-803-302-1263
Or email: info@cbstudio.biz or sd@tkkola.com

Class Size = 5 persons(Minimum) to 10 persons(Maximum)
One-On-One Coaching Sessions Can Be Arranged



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