Master Microsoft Excel Macros and VBA
BONUS Project #6 – Working with Excel VBA Forms

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Course Reviews

*"This is a great course. I love how the lessons are only about 4 minutes each. **It makes it possible to learn a lot in a short amount of time.** It seems targeted to new learners but it also makes for a great review even if you are familiar with Microsoft Office... 5 stars!"* - Wendy

"Great visual over the shoulder presentations by a very articulate instructor. The simple tips on Word and PowerPoint alone were well worth taking the course. What I learned will not only save time, but will end much of the frustration I have experienced with PDF's. Recommend the course." – Bill

*"These presentations are very well put together. **The instructor keeps you engaged and is easy to follow.**"* - Karen

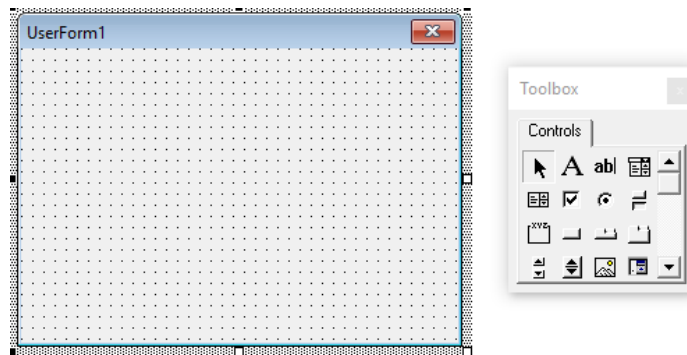# Contents

BONUS Project #6 - Overview

Project #6 will introduce you to working with Excel VBA Forms to create an accessible interface to work with the Excel Macros and VBA that you create. You can great the world's greatest Macro but if the users can't find your Macro then it's useless. A form can provide an interface the users can work with.

A form can contain many different types of controls that the users can interact with, including;

- Text Boxes
- Buttons
- Check Boxes
- Combo Boxes
- Radio Buttons

Creating an Excel VBA Form

The actual creation of a form is really simple. From within the VBA Window you go to **INSERT --> UserForm**. Once the form has been created you can now start to design the form by placing controls on the form.

Code is added to a form or controls on the form by double clicking on the form or the control. When you double click on the form or a control you are brought to the code window, **CODE BEHIND**, where you can add the code to an event of the object you double clicked on. (EX. **UserForm.Click**)

Level Up by doing it yourself!

The whole office is in love with the Macros you have created. There's even rumors of a raise coming your way. You've saved time and money by automating the creation of the Yearly Report. Because the company is saving so much money they have decided to hire additional help. Your manager has asked you to make the Macro more user friendly. You need to come up with a way to make an interface so that anyone can work with your creation, even the new hires, with very little training.

You decide to build a form with buttons that the user can click to run the macros.

1. Download and open the file: **QuarterlyReportForm-01.xslm** provided in this lecture
2. Open the VBA window (**ALT+F11**)

Create the Form

1. Add a new UserForm to the Project
   a. INSERT --> UserForm
2. Add a **Combo Box** and **2 Buttons** to the form
   a. In the Properties window
      i. Rename the form **frmQuarterForm**
      ii. Change the caption **Quarter Form**
      iii. **Rename** the buttons
         1. **cmdAddSheet**
         2. **cmdCreateReport**
      iv. Change the button **captions**
         1. **Add Sheet**
         2. Create Report

Add the Code

1. Double click an empty area of the form
   a. Add the following code to the form

```vba
Private Sub cboWhichSheet_Change()
    Worksheets(Me.cboWhichSheet.Value).Select
End Sub

Private Sub cmdAddWorksheet_Click()
    Worksheets.Add before:=Worksheets(1)

    ActiveSheet.Name = InputBox("Enter new sheet name")
    Me.cboWhichSheet.AddItem (ActiveSheet.Name)

End Sub

Private Sub cmdCreateReport_Click()
    FinalReport

End Sub

Private Sub UserForm_Initialize()
    Dim i As Integer

    For i = 1 To Worksheets.Count
        Worksheets(i).Select
        Me.cboWhichSheet.AddItem (Worksheets(i).Name)

    Next i
End Sub
```

Add Code for Showing the Form on OPEN

1. In the VBA window double click **ThisWorkbook** in the Project window
   a. Add the following code to the window

   frmQuarterForm.Show

Run the Macro

1. Save the Workbook and Close it
2. Re-open the Workbook

Instructor BIO:

Kyle is a Microsoft Certified Trainer (MCT) and a certified Microsoft Office Master Instructor and has been teaching and consulting for the past 10+ years on various computer applications, including;

1. Microsoft Office Suite 1997, 2000, XP, 2003, 2007, 2010, 2013
    1. Excel, Word, PowerPoint, Outlook, Access and Visio
2. SharePoint End-User 2007, 2010, 2013
3. VBA (Excel and Access)
4. Adobe Suite
    1. Photoshop, Illustrator, InDesign
5. Maya (Modeling and Animation)
6. Unity3d (Game Design)
7. HTML, CSS and JavaScript
8. Crystal Reports

Kyle is a graduate of the San Francisco Art Institute in the Media Arts and Animation Program. He has worked as a Game Designer for Electronic Arts, designing on games such as Nerf N-Strike, Nerf N-Strike Elite, both for the Wii, and a Sims 3 Expansion Pack for the PC.

Kyle has facilitated courses that range from 1-on-1 interactions to large scale groups of 100+ participants, including; live in person classes, webinar style classes online and live online full courses. He is consistently ranked top in reviews for each of the courses he teaches.

What Students have said about Kyle:

- *"Kyle was off the chart "GOOD""*
- *"ONE OF THE BEST COURSES THAT I'VE HAD... (IN 12+ YEARS)."*
- *"Awesome trainer because I'm computer "stupid" and he helped me understand it."*
- *"Kyle Pew is very knowledgeable and presented information with exceptional skill."*

In his 10+ years of training (corporate training, 1-on-1 consulting and college courses), Kyle has taught 1000's of courses and 10's of thousands of students all the while maintaining a high level of delivery and satisfaction from the student he has taught.

Teaching Philosophy:

Kyle believes that student's best learn through the application of real-life business situations through exercises. Allowing students to guide the class with their specific situations allows for the quickest and easiest adaptation to new technology and skills.

Check out my Udemy profile for more information and more courses.
https://www.udemy.com/user/kyle-pew/