Workshop 4 (B): Visual Basic Test Project



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Mahidol University

June 13, 2008

Paul Evenson University of Delaware Bartol Research Institute

Starting a New Project





- Make an empty folder to hold your project
- Select the type of project and press
 Open

Select Your Options ELAWARE 🐅 Project1 - Microsoft Visual Basic [design] - 🗆 × File Edit View Project Format Debug Run Query Diagram Tools Add-Ins Window Help 👏 • 🐂 • 🛅 🚅 🔚 🐰 🖻 🙈 🖄 🗠 🖂 🐐 Add Procedure... 🔁 🐊 📩 o, o J[™] 4800 × 3600 Procedure Attributes... X Project - Project1 X General 🔳 Menu Editor... Ctrl+E 🛢 Project1 - Form1 (Form) _ 🗆 🗵 N 🚱 🖃 📩 Project1 (Project1) Options... E Form1 🚊 🕘 Forms A abi - 🔁 Form1 (Form1) Publish $\mathbf{\nabla}$ - 🕞 **J** D = Ö 🗆 🗀 🖹 Properties - Form1 X 1 ~ Form1 Form -Alphabetic Categorized (Name) Form1 ٠ OTE Appearance 1 - 3D -Caption Returns/sets the text displayed in an object's title bar or below an object's х

- Critical Options:
- Editor: Require Variable Declaration
- Environment: Prompt to Save Changes



Select Names and Components



- Name the project and the initial form
- Be sure the controls you need are loaded
- Save everything in your new directory
- Examine files with text editor



Place Control and Adjust Properties

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Run the Program – It Works!









Setting Control Properties

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- Note that the "Backcolor" property is a long integer
- At "Design Time" you can set it with a "drop down" menu

Double Click a Control to Open the Code Window for Its Events



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•	Private Sub 1b.	lClicker_Click()		
	End Sub			Private Sub lblClicker_Click() lblClicker.BackColor = &HFFOO& End Sub

- Any code you add here is executed every time the event occurs
- Here we add the instruction to change the backcolor to green
- Now run the program again



Now Try More Elaborate Code



Making Your Execute File



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Adding a "Pure Code" Module



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This type of module is the proper way to include subroutines that can be called from anywhere in your program

Towards Cleaner Code...



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- Define the variables as Global in the code module
- Set them only once in the "Load" event on the main form
- They are now available to anyone
- If you don't like the shade of red, you can change it once, and it will change everywhere

Add Another Label Control





Adding the Communications



Properties - M	1SComm1	>
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