Fall 2005

CS 214: Visual Basic.NET

Roddy Keish

Wright State University - Main Campus

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CS 214 Visual Basic.NET

Instructor: Roddy Keish

CS 214 Visual Basic.NET

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Instructor Info

- E-Mail
  - Office - roddy.keish@wpafb.af.mil
  - Home - keishr@Gemair.com
- Available anytime by E-Mail (with restrictions).
  I will be at class at least 1/2 hour before the start of class and 1/2 hour after (if requested).

Homework Turn-In

- The programming assignments are due one week after they are passed out in class and are due at the BEGINNING of class, unless otherwise specified.
- Assignments are as shown in the class schedule. It is the student's responsibility to obtain the homework from me if you do not attend class. You MUST have permission from me to turn in assignments late. Late homework will receive a 50% point reduction. You must turn in:
  - Disk containing a working version of the project (Always make back ups)
  - Printed copies of the Form Image, Code and any additional print outs as requested in the assignment. Please print out code single side only,
- Submit your project in a manilla envelope with clasp (~13.5" x 10.5"). Print your name, the assignment number, instructor name, and the course number (CS 214) on the outside. PLEASE make sure the assignment info is legible.
Homework Turn-In
(Cont.)

- Make sure you have plenty of disks and envelopes. Your assignment is due one week from when the assignment is passed out. Every attempt to return your graded assignment within two class periods will be made, however, this is not guaranteed.
- Homework which is not neat and readable will be turned back with a 20% reduction in points.
- If your assignment can not be run due to missing files a 50% reduction in points will be assessed.
- Run your program before submitting it and test it thoroughly.
- Students may discuss homework assignments with others. But are expected to complete and turn in their own work. Students who copy another student’s assignment or share computer files will be given a grade of “F”.

Homework Assistance

- I will read email addressed to my GemAir home account once on Sunday morning and Sunday night as a minimum.
- Please send Email requests for assistance to both my work and home email addresses. Please send all files as well as a description of what problem you are having.
- Please, if possible, do not wait until the day homework is due to request help. I may not be available to provide adequate help due to meetings at work.
- Homework assistance is only provided if a majority of the project (70%-80%) is complete. Please describe in your email what problem you are having and I will respond promptly.
- Not being able to contact me is not an excuse for not turning homework in on time.
- I will be available at least 1/2 hour before class and will stay after class upon request.
Documentation of Code

In the General Declarations Section of the form, Always use comments to
identify the course, your name, the date, instructor, and a general comment
about the assignment.

* CS 214
* John Doe
* 14 Sep 05
* Instructor: Roddy Keish
* This is Assignment 1 - This project calculates the area
* and circumference of a circle

You must also use at least a one line comment in each event of your
project. Also, indentation of code is required for readability.
All controls must be named!! (except for descriptor labels)

Examples

<table>
<thead>
<tr>
<th>Event</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Class Form</td>
<td>Private Sub Button1_Click(ByVal Sender As System.Object, ByVal e As System.EventArgs) Handles Click Event</td>
</tr>
<tr>
<td></td>
<td>This program requests the input of a Name and 2 numbers</td>
</tr>
<tr>
<td></td>
<td>You must also use at least a one line comment in each event of your project. Also, indentation of code is required for readability. All controls must be named!! (except for descriptor labels)</td>
</tr>
</tbody>
</table>

Private Sub Form_Load() Handles MyBase.Load

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

Dim Name As String = Me.TextBox1.Text
Dim Number1 As Integer = Integer.Parse(Me.TextBox2.Text)
Dim Number2 As Integer = Integer.Parse(Me.TextBox3.Text)

Me.TextBox4.Text = Name + " is " + Number1 + ". " + Number2
End Sub
Filename Naming Conventions

moduleDesignator_1stFiveCharsOfYourLastNameAssignmentNumberFormModuleNumber
1 char 5 char 2 digits 1 char

Example: Assuming Assignment 1
keish01.sln for solution filename
keish01.vbproj for project filename
f_keish011.vb for the first form filename
f_keish012.vb for the second form filename
m_keish011.vb for the first code module
c_keish011.vb for the first class module

Filename Naming Conventions
as seen in Solution Explorer
Filename Naming Conventions
as seen in Windows Explorer

<table>
<thead>
<tr>
<th>Name</th>
<th>Desc Type</th>
<th>Date Modified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qbin</td>
<td>File Folder</td>
<td>8/2/2005 1:43 PM</td>
</tr>
<tr>
<td>Qobj</td>
<td>File Folder</td>
<td>8/2/2005 1:37 PM</td>
</tr>
<tr>
<td>E:\l Assembly\rtot0..vb 2KB Visual Basic Source 8/2/2005 1:37 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>liiAssignOl.sln 1 KB Microsoft Visual Studio 8/8/2005 10:19 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>~AssignOl.suo 2KB Visual Studio Solution 8/8/2005 10:57 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>~AssignOl.vbproj 5KB Visual Basic .NET Project 8/8/2005 10:52 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>~AssignOl.vbproj.user 2KB Visual Studio Project 8/8/2005 10:57 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>l\li&lt;/.elsh0ll.vb I KB Visual Basic Source 8/2/2005 10:52 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>\li&lt;/.elsh0!2.resx 2KB RESX File 1/30/2002 9:05 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>\li&lt;/.elsh0!2.vb 2KB Visual Basic Source 8/2/2005 10:52 AM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Printing Your Forms

- Run your project
- With the form displayed on the screen
  - Hit Alt+Print Screen
- Paste the form into Word, Notepad, Paint, WordPad, Excel, or PowerPoint and print the form
Printing the Code in Your Project

• Click on the Form, Code Module, or Class Module you wish to Print (Make sure that the code window for the object you want to print the code for is visible)

• Go to File | Print on the Visual Basic.NET Menu
  – This will print only the code for the form, code module, or class module selected in the Solution Explorer Window
Printing the Code in Your Project

m_keish011.vb is shaded. Code will print for that module.

Public: C:
'Not specified in RIV KoduleNJ

Naming Conventions for Objects

<table>
<thead>
<tr>
<th>Object</th>
<th>Prefix</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>frm</td>
<td>frmVintage</td>
</tr>
<tr>
<td>Button</td>
<td>btn</td>
<td>btnExit</td>
</tr>
<tr>
<td>Label Control</td>
<td>lbl</td>
<td>lblOut</td>
</tr>
<tr>
<td>PictureBox Control</td>
<td>img</td>
<td>imgIcon</td>
</tr>
<tr>
<td>TextBox Control</td>
<td>txt</td>
<td>txtInput</td>
</tr>
<tr>
<td>List ox Control</td>
<td>lst</td>
<td>lstNames</td>
</tr>
<tr>
<td>ComboBox Control</td>
<td>cbo</td>
<td>cboNames</td>
</tr>
</tbody>
</table>

Note: All Controls in your project, with the exception of labels which describe other controls, must be named or points will be deducted from your project. Always name controls prior to coding.
Options Dialog Box Help Search

Basic Screen SetUp

- The following screen shots are the setup options I would like you to select (if they are not already the defaults).
- These are found under Tools>Options
Basic Screen SetUp
Basic Screen SetUp

Class Room Rules

• No Internet Surfing
• No Telephones or Beepers
  – Violating either will result in a loss of 10 points for each occurrence