EEOS 472 – Programming for GIScience Applications – Spring 2011

<u>Exercise 2A</u>

Additional Instructions/Notes

1. For all exercises in this course, you will want to make a copy of the exercise .mxd to your H:\ space and open that, rather than using the one in the course data directory on S:\ because the exercises almost always involve customizing the project document, which you cannot do to the one on S:\, since you do not have write access there.

Question 2A-1 (2 marks)

The toolbars depicted in the figures included in the text in parts 14 & 15 of the exercise don't quite look exactly like the one you have created. What is the difference? What could you do to make your toolbar exactly match the ones depicted in the textbook?

Question 2A-2 (2 marks)

What is the difference between dragging a tool from one toolbar to another and dragging a copy of a command from the Commands list to a toolbar? Is there a way to have the Find tool on both the Tools toolbar and your new Parcel Viewer toolbar? What are the steps you would have to take to make this possible?

<u>Exercise 2B</u>

Additional Instructions/Notes

1. For all exercises in this course, you will want to make a copy of the exercise .mxd to your H:\ space and open that, rather than using the one in the course data directory on S:\ because the exercises almost always involve customizing the project document, which you cannot do to the one on S:\, since you do not have write access there.

10. What has happened here is you have moved to the Visual Basic for Applications interface that allows you to create the code that runs when you click your new button … it says as much in the text, but using terms you may not recognize (yet).

11. To indent lines of code, use the Tab button. Indenting helps keep things neat so you can see what lines of code go together, and is a good practice.

15. Occasionally, the text includes examples during the exercise instructions that are not actually part of the procedure (for example, the various dialog boxes here); sometimes it is difficult to distinguish when this is the case.

Question 2B-1 (2 marks)

Why might you want to save customizations to normal.mxt rather than a particular project document? On what basis can you decide which place makes more sense to save a particular customization?

Question 2B-2 (2 marks)

The MsgBox we created has the title "ArcMap". Suppose we wanted it to have a different title. How could we make our MsgBox have the title "Help Phone Number"?

Exercise 2C

Additional Instructions/Notes

1. For all exercises in this course, you will want to make a copy of the exercise .mxd to your H:\ space and open that, rather than using the one in the course data directory on S:\ because the exercises almost always involve customizing the project document, which you cannot do to the one on S:\, since you do not have write access there.

11. We could just as easily put the entire line of code on a single line if it will fit; splitting it up using the line continuation character (the underscore, _) or leaving it as one long line is a matter of preference.

Question 2C-1 (2 marks)

What does Option Explicit do? How is this important and/or useful?

Question 2C-2 (2 marks)

Suppose that instead of entering a numeric parcel value into our InputBox when we run our Calculate Tax tool, we type in a string and click OK. What happens then, and why?