summer 08

COMPUTER APPS [Armato]
Project #3 – Excel Spreadsheet – [20pts]

Sure, it's easy to make that batch of chili that serves 4 people, but what about the 32 friends and relatives that are coming over for your Superbowl party? How much ground beef are you going to need? And what is 8 x $1^{2}/_{3}$ cups of minced onions, anyway?

Using Excel, create a spreadsheet that will calculate quantities and prices for extending a recipe. Figure out a format for entering in all of the relevant information (including quantities and costs), and then create formulas that multiply these values by a number that you enter to give you an appropriate quantity of food. For example, do you want to double the recipe? Triple it? Quintuple it?!?

Begin by thinking of a recipe card. Create a well-organized visual format for the sheets including adjustments to the row heights and column widths to fit your data, bold column headings, cell shading, cell boarders, text wrap, and text color. Your final workbook should contain at least two sheets: one with a functioning, *blank* calculator, and the other filled out with sample data. Label each calculation table, and rename each sheet.

Remember to separate different kinds of information. You can't multiply "2 cups" by 5, but you can multiply "2" by 5 and label it "cups."

Specifications:

- Create 2 worksheets: one blank, one including sample data
- Title each sheet and rename its tab
- Label each calculation table
- Use a logical system of borders, colors and type styling to help organize info
- Your design should visually differentiate calculation cells from data entry cells
- Set appropriate text alignment to all columns
- Set appropriate data format for all cells; e.g. general, text, fraction, etc.
- Use data from a real recipe. Research costs as best you can.
- TEST IT! Make sure your formulas work with a variety of values
- Feel free to add any other functionality that would be useful to you

Evaluation (20 points total):
Creation of formulas (5 pts)
Usability (3 pts)
Creating multiple worksheets (2 pts)
Formatting cells – data (5 pts)
Formatting cells – visual (5 pts)

DUE Noon, Monday Week 4
Submit a copy of your formatted spreadsheet —including sample data—to the appropriate location on the Drop Off drive.