

# Tutorial: Menus and List Manipulation



Create a Visual Basic program to satisfy the description below.

### Interface



### Behaviour

This is a simple program conprising three drop down menus, three list boxes and a terminating button.

The menus all act upon the list boxes, changing the foreground/background colour, the font size and type and allowing insertion and deletion of entries. Any of these actions affect all three lists simultaneously.

The menu structures are given below.

**Note:** Clicking on any list item should cause the other two lists to highlight the corresponding words immediately.

**Colours Fonts Vocabulary**  
 *Foreground>* Grey *Size>* 10pt Add  
 Light Blue 12pt Delete  
 Light Green 15pt  
 Light cyan 20pt  
 *Backgound>* Black 25pt  
 Blue *Type>* Roman  
 Green Script  
 Cyan Courier  
 Red Modern  
 Magenta  
 Yellow

### Hints

1. If you do not know how to create a pull down menu please read - [Pull Down and Popup Menus](http://docs.google.com/menus.html).
2. Enter the data into the lists so that corresponding words have the same index position in each list. You can put all the AddItem statements in the FormLoad procedure or use your own Add function on the menubar to do it at run time. Feel free to vary the languages or vocabularies.
3. The property ListIndex gives the position of the currently selected (highlighted) item in a list. The way to synchronise the lists is to assign the just selected ListIndex to the other lists, so in the Click event of lstFrench we would put:  
    **lstGerman.ListIndex = lstFrench.ListIndex  
    lstEnglish.ListIndex = lstFrench.ListIndex**  
     
   **Note:** meaningful names are better than List1, List2, List3.
4. To delete the currently highlighted words in the three lists, just use ListIndex to access them.
5. The Add function needs to prompt the user for the three items of vocabulary and append these to the appropriate lists. There are various possibilities to investigate.

 [Tutorial 4](http://docs.google.com/tut4.html) (List Boxes and Combo Boxes)

 [Menu](http://docs.google.com/dvbhome.html)

 [Tutorial 6](http://docs.google.com/tut6.html) (Creating and using Arrays of Controls)