

Programming Logic - Beginning

152-101

List and Combo Boxes

20 points

Use the **Assignment Tracker Starter** solution provided by your instructor for this assignment.

You will be completing a program to help you track the assignments you have due and the assignments you have completed. Unfortunately, this program will have no memory—it forgets your data entries after the program ends. We'll provide the memory feature in Programming Logic – Intermediate.

Your program must include the following items:

- A combo box (provided in starter) that includes a list of classes.
 - Provide at least 4 classes
 - Keep the class names fairly short
 - Fill the combo box at run time
 - Provide auto complete features (both append and suggest)
 - Provide validation to ensure the user doesn't manually type a course that isn't on the list.
 - Sort the classes.
- A text box (provided) to hold the description of the assignment.
 - You may make this a multiline textbox if you wish
- Another **combo box** (provided) to allow the user to select the assignment due date.
 - At run time, fill the combo box with two weeks of dates starting with the current date.
 - You must use a loop to fill the list
 - Don't allow the user to type their own date (change combo box type)
 - To simplify later processing (sorting), format the date like this: 2012-11-28
(Tip: Use ToString with a custom date format string)
- A list box to hold the list of assignments due (provided).
- A list box to hold the list of completed assignments. (provided)
- A label to display the current number of assignments due (provided).

- A command button (provided) to transfer the class, assignment and due date to the *assignments due* list box.
 - Concatenate the data like this: Due Date == Class == Description
 - Then add it to the list box
- A command button (provided) to move the currently selected item in the *assignments due* list box to the *completed assignments* list box.
 - If there is no selected item, display a message box that provides the user further instructions.
- A command button (provided) to clear the class, description and due date.
 - When clearing, clear the class and description, but set the due date to 5 days in the future (6th item in the list)
- A command button (provided) to sort the *assignments due* list box
- A command button to sort (provided) the *completed assignments* list box
- A command button (provided) to exit the application
- Follow the class [programming standards](#), incorporating all standards except those designated for Programming Logic - Intermediate.

Documentation

- Provide form-level documentation for all forms. This documentation must comply with course standards
- Provide program documentation for the program. This documentation must comply with course standards.
- Provide flowcharts and pseudocode for the following procedures:
 - btnComplete_Click
 - btnSave_Click
 - cmbClasses_Validating
 - loadDueDates

Challenge Points – 2 Points

Allow the user to select multiple items in the assignments due list box and transfer them all to the completed assignments list box when the command button is clicked.

Challenge Points – 1 Point

Ensure the user has selected a class, entered an assignment description, and selected a due date before adding a new assignment to the assignments due list box.