Summary of Common Form **Controls:**

**Label**: Display static text.

**Boxes(Selection)**

**TextBox** : Input fields for text.

**ComboBox** : Drop-down list for selections. You can select only One

**ListBox** : List with multiple items, you can select single or multi-selection.

**Check box and radio Buttons**

**CheckBox** : Binary choice, checked or unchecked.

**OptionButton(Radio buttons)**: for single choice in a group.

**Frame**: Grouping controls under a common label.

**Buttons:**

**CommandButton**: Buttons for user actions.

**SpinButton** : Increment/decrement value input.

**Toggle Button** : on/Off Button

**Different pages**

**MultiPage** : Tabbed form for different sections.

**TabStrip** : Navigation tabs for various sections.

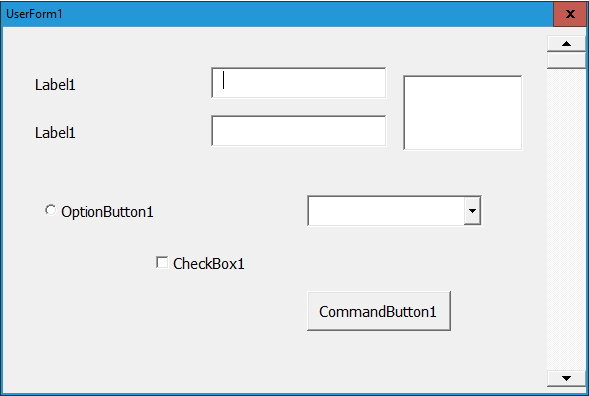
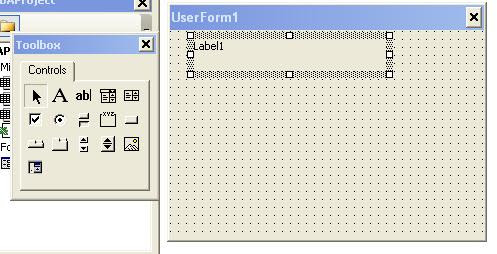
**Images**

**Image**: Display images in the form.

These controls can be combined to create rich, interactive UserForms to collect and display information in your VBA-based applications.



**Label**: Display static text.



Label:

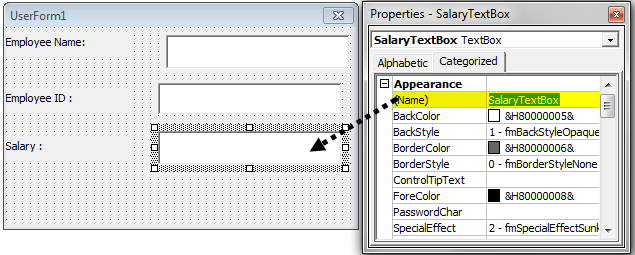
**Boxes(Selection)**

**TextBox** : Input fields for text.

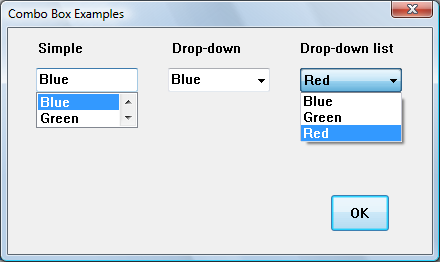
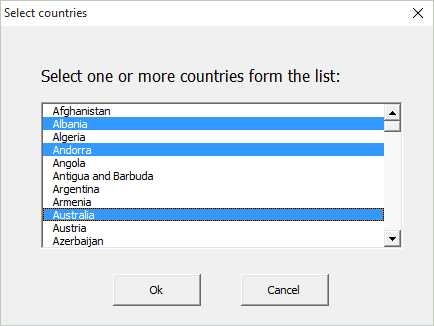
**ComboBox** : Drop-down list for selections. You can select only One

**ListBox** : List with multiple items, you can select single or multi-selection.

Text Box



**Combo Box List Box**

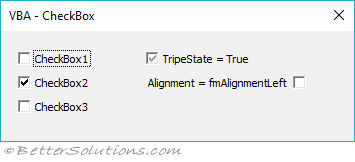
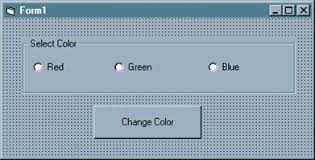


**Check box and radio Buttons**

**CheckBox** : Binary choice, checked or unchecked.

**OptionButton(Radio buttons)**: for single choice in a group.

Check Box Radio Button



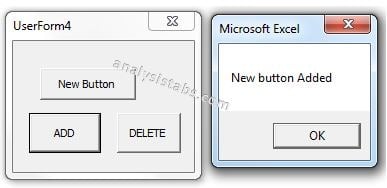
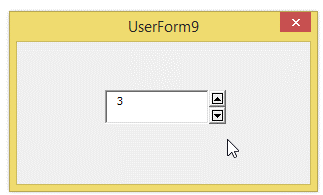
**Buttons:**

**CommandButton**: Buttons for user actions.

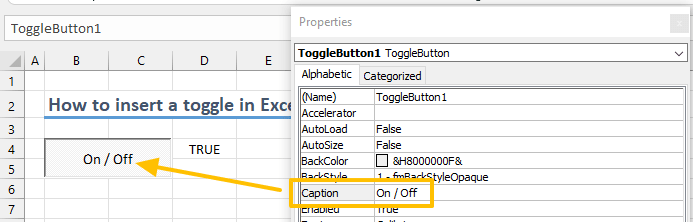
**SpinButton** : Increment/decrement value input.

**Toggle Button** : on/Off Button

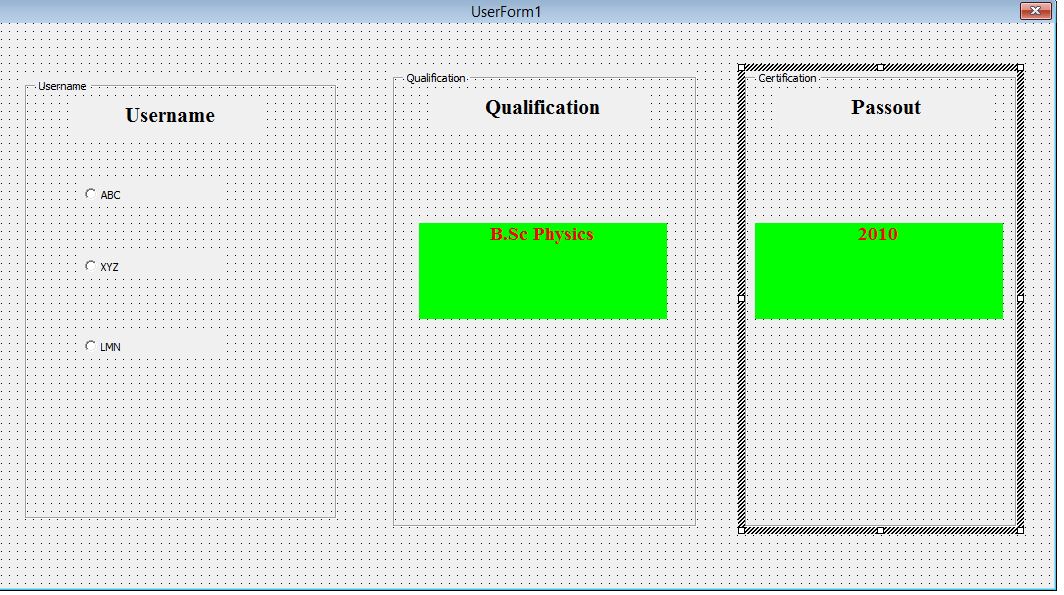
**CommandButton SpinButton**



**Toggle Button**



**Frame**

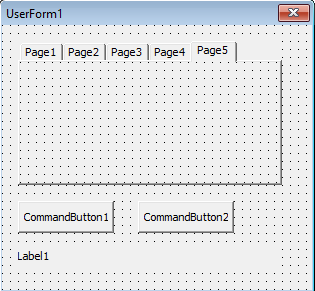
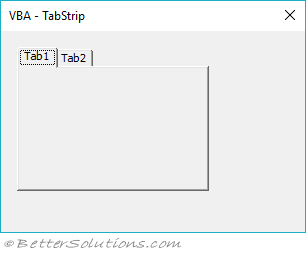


**Different pages**

**MultiPage** : Tabbed form for different sections.

**TabStrip** : Navigation tabs for various sections.

**MultiPage TabStrip**



### ComboBox vs ListBox in VBA

Both ComboBox and ListBox are commonly used controls in Excel VBA forms, but they serve slightly different purposes. Let's go over the main differences and when you'd use each.

### ****1. ComboBox****

A **ComboBox** is a control that allows users to either **select from a list** of items or **type in their own custom input**. It’s a combination of a **text box** and a **list box**.

* **Allows User Input**: Users can either select from a pre-defined list of items or type their own value into the text field.
* **Single Item Selection**: Only one item can be selected at a time.
* **Dropdown Behavior**: By default, the ComboBox shows a drop-down list of items when clicked, but it also allows the user to type something that may not be in the list.
* **Use Case**: It’s ideal when you want to give users the flexibility to either select from a list of options or input a value not listed.

### Example of a ComboBox:

* **Scenario**: A form where the user can select a city from a list, or type in a city name that isn't in the list.

### Key Properties of ComboBox:

* **List**: The collection of items displayed in the drop-down list.
* **Value/ Text**: The text currently selected or entered in the ComboBox.
* **AddItem**: Used to add items to the ComboBox.

#### Example Usage:

vba

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ComboBox1.AddItem "New York"

ComboBox1.AddItem "Los Angeles"

ComboBox1.AddItem "Chicago"

' User can type in or select from these cities.

### ****2. ListBox****

A **ListBox** is a control that displays a **list of items** and allows the user to select from them. Unlike a ComboBox, the list is always visible and cannot be typed into.

* **No User Input**: Users can only **select an item from a list**; they cannot type their own value.
* **Multiple Item Selection**: It can allow single or multiple selections (if configured to do so).
* **Use Case**: Use a ListBox when you have a fixed list of options and don't want users to enter their own values.

### Example of a ListBox:

* **Scenario**: A form where the user selects multiple items from a predefined list of options (like checking available colors, products, etc.).

### Key Properties of ListBox:

* **List**: Similar to the ComboBox, but in a ListBox the list is always visible.
* **MultiSelect**: A property that allows selecting multiple items (can be set to 0 for single selection, 1 for multiple selection).
* **ListIndex**: Returns the index of the selected item (or -1 if none selected).

#### Example Usage:

vba

Copy code

ListBox1.AddItem "Apple"

ListBox1.AddItem "Banana"

ListBox1.AddItem "Orange"

' User selects one or more fruits from the list.

### ****Key Differences****:

| **Feature** | **ComboBox** | **ListBox** |
| --- | --- | --- |
| **User Input** | Yes (User can type or select) | No (User can only select) |
| **Display Type** | Drop-down list (only visible when clicked) | Always visible list |
| **Multi-Select** | No (Can select only one item) | Yes (Can select multiple items if configured) |
| **When to Use** | When you want the user to either type or select from the list | When you have a fixed list of items and the user selects only from it |
| **Memory Use** | More memory efficient when many items are added (because list is hidden by default) | Takes up more space because the list is always visible |
| **Typical Scenarios** | City selection, filtering, searching (where you want flexible input) | Categories, fixed lists (where input should not be allowed) |