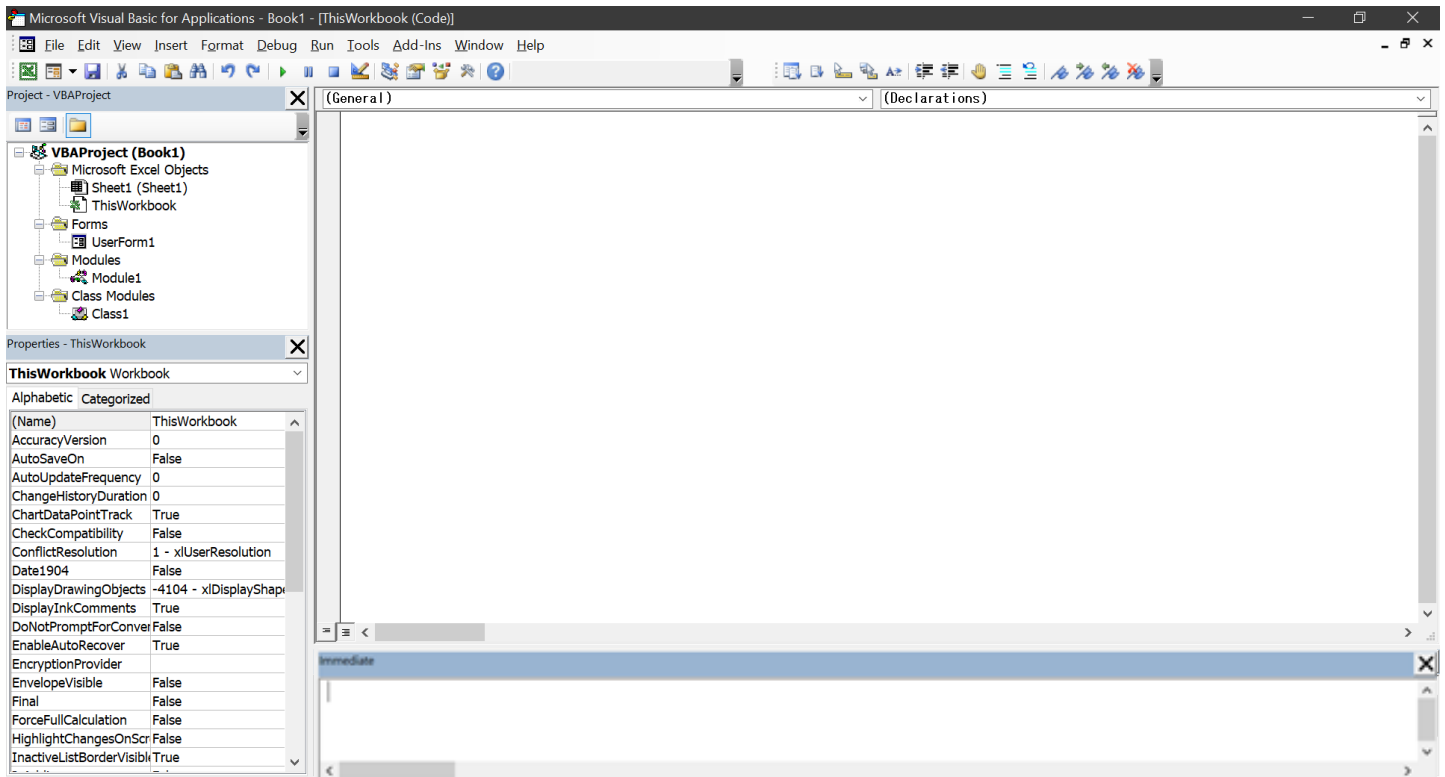


# MS Excel with VBA Course

## The Visual Basic Editor Window

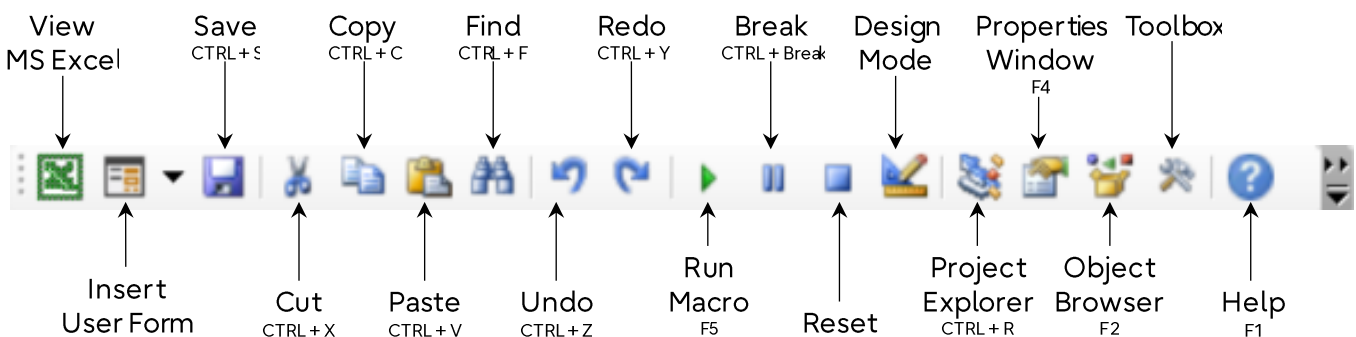


The Visual Basic Editor is the main development environment for VBA. The window can be accessed in the following ways:

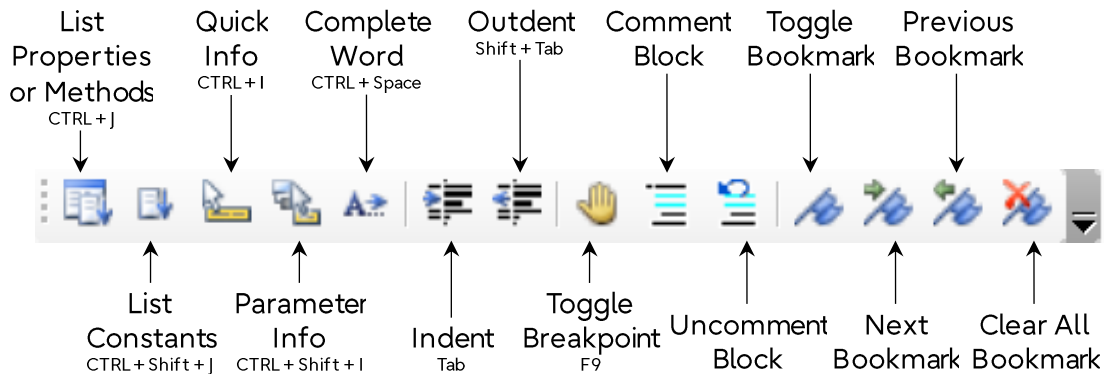
- Choose Developer | Code | Visual Basic.
- Choose Developer | Controls | View Code.
- Press Alt+F11.

The VBE has the following panes:

### Standard Toolbar



## Edit Toolbar

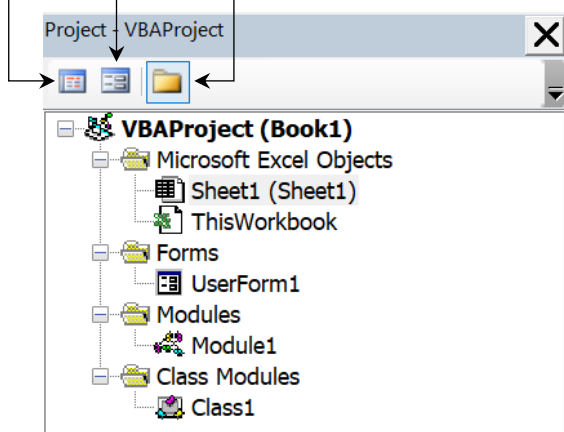


## The Project Explorer

The Project Explorer window displays a hierarchical list of currently open projects and their elements. The Project Explorer window contains three buttons as shown in Figure. The View Code button displays

the Code window for the selected module. The View Object button displays either the selected sheet in the Microsoft Excel Object folder or a form located in the Forms folder. The Toggle Folders button hides and/or

activates the display of folders in the Project Explorer window.

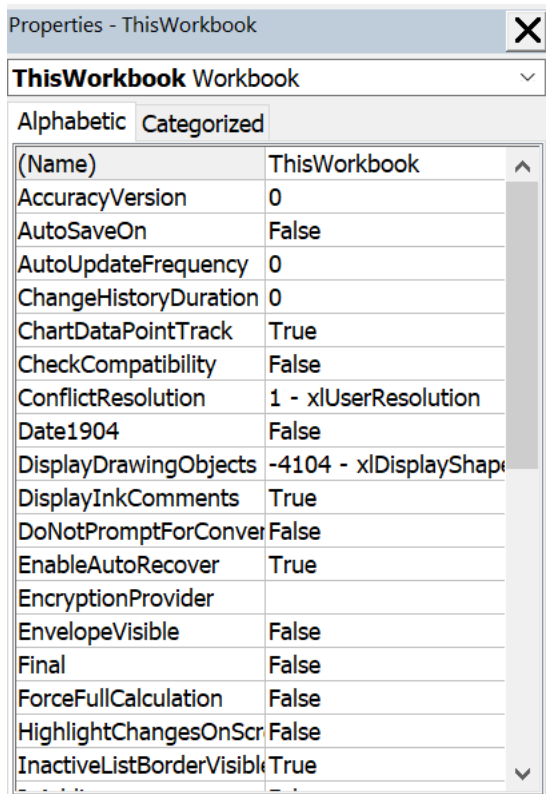


A VBA project can contain the following elements:

- Worksheets
- Charts
- ThisWorkbook - The workbook where the project is stored
- Modules - where programming code is stored
- Classes - allow you to create your own objects
- Forms
- References to the other projects

You can activate the Project Explorer window in one of three ways:

- From the View menu by selecting Project Explorer.
- From the keyboard by pressing Ctrl+R.
- From the Standard toolbar by clicking the Project Explorer button.



## Properties Window

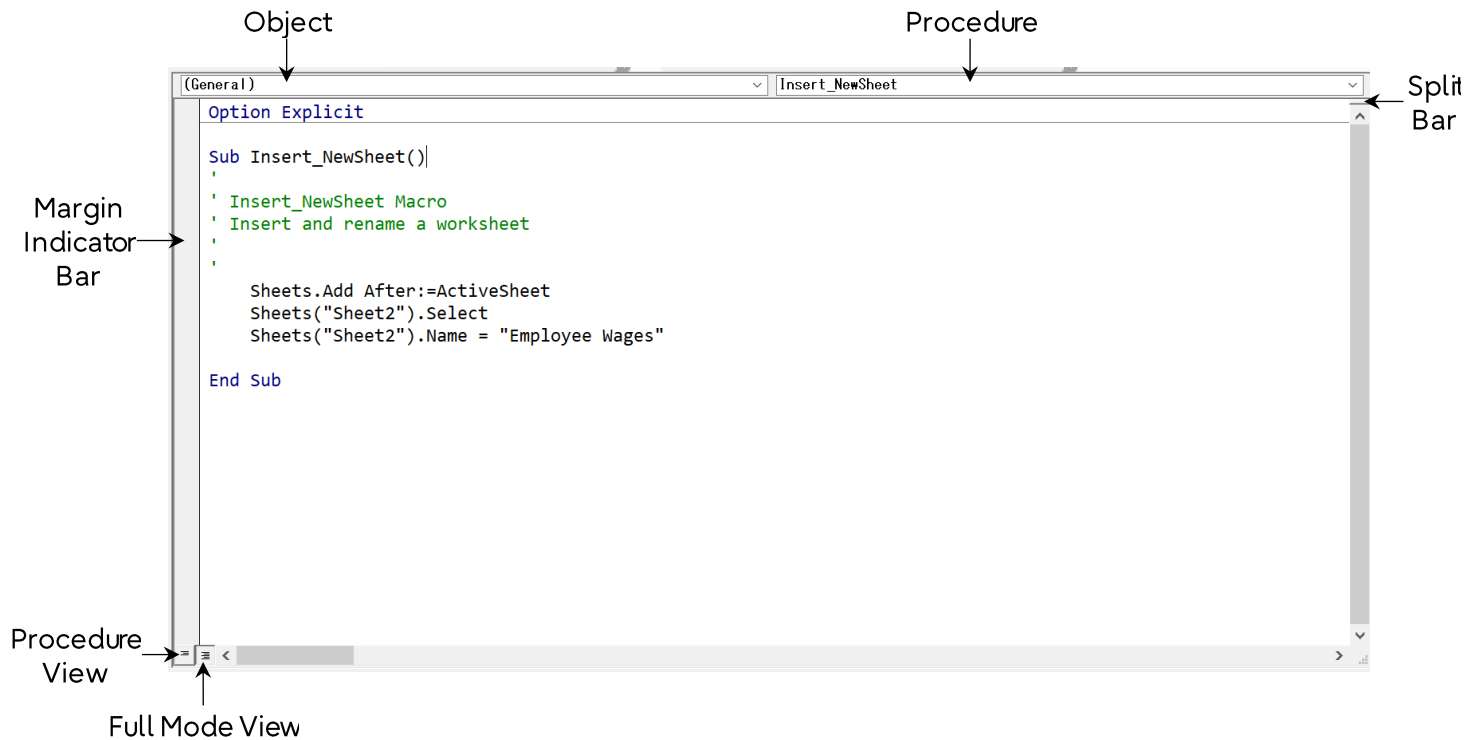
The Properties window allows you to review and set properties of various objects in your project. The name of the currently selected object is displayed in the Object box located just below the Properties window's title bar. For example, the figure on the left displays the properties of the ThisWorkbook object. Properties of the object can be viewed alphabetically or by category by clicking the appropriate tab.

- Alphabetic tab - Lists alphabetically all properties for the selected object. You can change the property setting by selecting the property name and typing or selecting the new setting.
- Categorized tab - Lists all properties for the selected object by category. You can collapse the list so that you see the categories, or you can expand a category to see the properties. The plus sign (+) icon to the left of the category name indicates that the category list can be expanded. The minus sign (-) indicates that the category is currently expanded.

The Properties window can be accessed in three ways:

- From the View menu by selecting Properties Window.
- From the keyboard by pressing F4.
- From the toolbar by clicking the Properties Window button.

## Code Window



The Code window is used for Visual Basic programming as well as viewing and modifying the code of recorded macros and existing VBA procedures. Each module can be opened in a separate Code window. There are several ways to activate the Code window:

- From the Project Explorer window, choose the appropriate UserForm or module, and click the View Code button.
- From the menu bar, choose View | Code.
- From the keyboard, press F7.

In the Figure above, you will notice at the top of the Code window two drop-down list boxes that allow you to move quickly within the Visual Basic code. In the Object box on the left side of the Code window, you can select the object whose code you want to view. The box on the right side of the Code window lets you quickly choose a procedure or event procedure to view. When you open this box, the names of all procedures located in a module are sorted alphabetically. If you select a procedure in the Procedures/Events box, the cursor will jump to the first line of this procedure.

By dragging the split bar down to a selected position in the Code window, you can divide the Code window into two panes. You can then view different sections of a long procedure or a different procedure in each pane. This two-pane display in the Code window is often used for copying or cutting and pasting sections of code between procedures of the same module. To return to the one-window display, simply drag the split bar all the way to the top of the Code window.

At the bottom left of the Code window, there are two icons. The Procedure View icon displays one procedure at a time in the Code window. To select another procedure, use the Procedures/Events box. The Full Module View icon displays all the procedures in the selected module. Use the vertical scrollbar to scroll through the module's code.

The margin indicator bar is used by Visual Basic Editor to display helpful indicators during editing and debugging.