

Masked Textbox Control in VB.NET

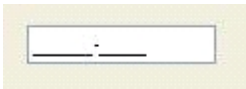


Example of Masked Textbox Control in VB.NET

[<http://www.thecodegallery.com/VBNET/MaskedTextBoxExample.php>](http://www.thecodegallery.com/VBNET/MaskedTextBoxExample.php)

MaskedTextBox provides all the facility of simple TextBox Control. It allows user to validate input by specifying mask property. Mask property is used to specify pattern that must be followed while entering text into MaskedTextBox. It does not allow user to enter text that does not comply with the pattern specified in the Mask property.

Thus MaskedTextBox control is used to restrict invalid input from user.



Properties of Masked Textbox Control in VB.NET

Property	Purpose
AllowPromptAsInput	It is used to specify whether Prompt character can be entered as valid input character in MaskedTextBox or not. It has Boolean value. Default value is true.
AsciiOnly	It is used to specify whether only ASCII characters can be entered as valid input character in MaskedTextBox or not. It has Boolean value. Default value is false.
BackColor	It is used to get or set BackColor of the MaskedTextBox.
BeepOnError	It is used to specify whether control will generate system beep sound on each invalid character input or not. It has Boolean value. Default value is false.

ContextMenuStrip It is used to specify the name of shortcut menu that is displayed when user right clicks on the MaskedTextBox.

CutCopyMaskFormat While cut or copy MaskedTextBox contents into clipboard this property is used to specify weather to:

Exclude Prompt And Literal

Include Prompt

Include Literals

Include Prompt And Literal.

Default value is Include Literals.

Enabled It is used to specify weather MaskedTextBox Control is enabled or not at run time. It has Boolean value. Default value is true.

Font It is used to set Font Face, Font Style, Font Size and Effects of the text associated with MaskedTextBox Control.

ForeColor It is used to get or set Fore color of the text associated with MaskedTextBox Control.

HidePromptOnLeave It is used to specify weather Prompt character is displayed or hide when focus is lost from MaskedTextBox. It has Boolean value. Default value is false.

HideSelection It is used to specify weather text selection should be hidden or not when MaskedTextBox lose its focus. It has Boolean value. Default value is true.

InsertKeyMode It is used to get or set method used for input characters in MaskedTextBox. It has following 3 options:

- (1) Default
- (2) Insert
- (3) Overwrite

Mask It is used to get or set format string which determines whether characters entered in MaskedTextBox are valid or not.

PasswordChar It is used to get or set a character that is displayed for each input characters in MaskedTextBox.

PromptChar It is used to get or set Prompt character for MaskedTextBox Control. This character is displayed in MaskedTextBox when user has not entered any character.

ReadOnly It is used to specify whether text associated with MaskedTextBox is ReadOnly or not. It has Boolean value. Default value is false.

RejectInputOnFirstFailure It is used to specify whether input is rejected or not when entered characters are not complying with the pattern specified in mask property. It has Boolean value. Default value is false.

ResetOnPrompt It is used to specify whether to reset and skip the current position when the input character is same as prompt character. It has Boolean value. Default value is true.

ResetOnSpace It is used to specify whether to reset and skip the current position when the input is space character. It has Boolean value. Default value is false.

Text It is used to get or set text associated with MaskedTextBox Control.

TextAlign It is used to get or alignment of the text associated with

MaskedTextBox Control.

TabIndex It is used to get or set Tab order of the MaskedTextBox.

TabStop It is used to specify weather user can use TAB key to set focus on MaskedTextBox Control or not. It has Boolean value. Default value is true.

TextMaskFormat It is used to get or set value which determines the text that is returned from MaskedTextBox Control can contains literal, prompt , both or none. It has following 4 options:

Exclude Prompt And Literal

Include Prompt

Include Literals

Include Prompt And Literal.

Default value is Include Literals.

UseSystemPasswordCharacter It is used to specify weather each input character that is entered in MaskedTextBox is displayed as System Password character or not. It has Boolean value. Default value is false.

Visible It is used to specify weather MaskedTextBox Control is visible or not at run time. It has Boolean value. Default value is true.

Methods of Masked Textbox Control in VB.NET

Method Purpose

Append Text It is used to append text at the end of current text in MaskedTextBox Control.

Clear It is used to clear all text from MaskedTextBox Control.

Cut	It is used to move current selection of MaskedTextBox into clipboard.
Copy	It is used to copies selected text of MaskedTextBox in clipboard.
Paste	It is used to replace current selection of MaskedTextBox by contents of clipboard. It is also used to move contents of Clipboard to MaskedTextBox control where cursor is currently located.
Select	It is used to select specific text from MaskedTextBox.
SelectAll	It is used to select all text of MaskedTextBox.
DeselectAll	It is used to deselect all text selected in MaskedTextBox.
Show	It is used to show MaskedTextBox at run time.
Hide	It is used to hide MaskedTextBox at run time.
Focus	It is used to set input focus on MaskedTextBox at run time.

Events of Masked Textbox Control in VB.NET

Event	Purpose
MaskInputRejected	It is the default event of MaskedTextBox. It fires each time a character entered in MskedTextBox does not comply with Mask Property. It means if character entered in MaskedTextBox does not match with the pattern specified in Mask property then this event fires.
MaskChanged	It fires each time a mask property is changed.

TextChanged It fires each time a text in the MaskedTextBox control changed.