Чтобы обрабатывать события клавиатуры только на уровне формы без предоставления другим элементам управления возможности получать события клавиатуры, необходимо задать для свойства [KeyPressEventArgs.Handled](http://msdn.microsoft.com/ru-ru/library/system.windows.forms.keypresseventargs.handled.aspx) в методе обработки события KeyPress формы значение true.

Дополнительные сведения об обработке событий см. в разделе [Прием событий](http://msdn.microsoft.com/ru-ru/library/2ccyd347.aspx).

[Примеры](javascript:void(0))

В следующем примере кода событие KeyPress используется, чтобы предотвратить ввод элемента управления с помощью символов.

[C#](http://msdn.microsoft.com/ru-ru/library/system.windows.forms.control.keypress.aspx?cs-save-lang=1&cs-lang=csharp#code-snippet-2)

[C++](http://msdn.microsoft.com/ru-ru/library/system.windows.forms.control.keypress.aspx?cs-save-lang=1&cs-lang=cpp#code-snippet-2)

VB

' Boolean flag used to determine when a character other than a number is entered.

Private nonNumberEntered As Boolean = False

' Handle the KeyDown event to determine the type of character entered into the control.

Private Sub textBox1\_KeyDown(sender As Object, e As System.Windows.Forms.KeyEventArgs) \_

Handles textBox1.KeyDown

' Initialize the flag to false.

nonNumberEntered = False

' Determine whether the keystroke is a number from the top of the keyboard.

If e.KeyCode < Keys.D0 OrElse e.KeyCode > Keys.D9 Then

' Determine whether the keystroke is a number from the keypad.

If e.KeyCode < Keys.NumPad0 OrElse e.KeyCode > Keys.NumPad9 Then

' Determine whether the keystroke is a backspace.

If e.KeyCode <> Keys.Back Then

' A non-numerical keystroke was pressed.

' Set the flag to true and evaluate in KeyPress event.

nonNumberEntered = True

End If

End If

End If

'If shift key was pressed, it's not a number.

If Control.ModifierKeys = Keys.Shift Then

nonNumberEntered = true

End If

End Sub 'textBox1\_KeyDown

' This event occurs after the KeyDown event and can be used

' to prevent characters from entering the control.

Private Sub textBox1\_KeyPress(sender As Object, e As System.Windows.Forms.KeyPressEventArgs) \_

Handles textBox1.KeyPress

' Check for the flag being set in the KeyDown event.

If nonNumberEntered = True Then

' Stop the character from being entered into the control since it is non-numerical.

e.Handled = True

End If

End Sub 'textBox1\_KeyPress