

STUDENT ACTIVITY 2.4B\_2: INPUT VALIDATION REVIEW

MTA Course: Windows Development Fundamentals

Topic: Validate user input

File name: WinDevFund\_SA\_2.4B\_2

**Lesson Objective:**

**2.4:** Validate and implement user input. *This objective may include but is not limited to:* implementing the correct user input model based on application design and requirements; accepting keyboard and mouse input; validating user input through GUI controls such as text boxes and dialog controls

**Resources, software, and additional files needed for this lesson:**

- Microsoft Visual Studio® 2008, or
  - Microsoft Visual Basic® 2008, Express Edition  
(<http://www.microsoft.com/express/downloads/#2008-Visual-Basic>)
  - Microsoft Visual C#® 2008, Express Edition  
(<http://www.microsoft.com/express/downloads/#2008-Visual-CS>)

**Directions to the student:**

Answer the following questions.

**Content:**

**Part I:**

1. Write a mask string to restrict input to the proper format for a Social Security number (example: 123-45-6789).
2. What event can be used to validate *TextBox* input programmatically?
3. What property can hold a string used to validate input in a *MaskedTextBox*?

4. Write a mask string to accept a word with between 5 and 10 letters.
5. Write a mask string to accept a date, including a four-digit year.

**Part II:** Create a form that prompts that user to enter his or her full name. Use the *Validating* event to ensure that they enter at least two names. Also validate that he or she entered a first name followed by a last name by checking to see that there are no commas. Let the user know if their input is invalid, by making a label visible or by using a *MessageBox*.