

Flash Assignment #2: Address validation due 25 January 2001

In many cases, sites include some way of retrieving an address from the user. In order to avoid false or obviously incomplete submissions, designers generally add validation to address forms.

Assignment 2 is to provide an address form in Flash and a button that checks if each input is an acceptable part of an address.

Your address validation form (for a Canada-only application) will have the following fields:

Name
Street address
City
Province/Territory (2 chars)
Postal Code
E-mail
Warnings

It should check that:

Name is not empty and begins with a letter
Street address starts with either a number, or one of "RR", "R.R.", "rr", "r.r."
City is not empty and begins with a letter
Province/Territory is one of "YT", "NT", "NU", "BC", "AB", "SK", "MN", "ON", "QC", "PQ", "NB", "NS", "PE", "NF" or the lowercase equivalent of one of them.
Postal code should be letter-number-letter-space-number-letter-number.
E-mail should contain an @ sign, followed by one or more characters, a dot, and more characters.

The *Warnings* field should display a message for each field that doesn't contain what it should. Put each on a separate line (use \n and make the warnings field big enough to contain several lines of text). If all the fields are OK, it should display a thank-you message.

Keep in mind that letters and numbers can be tested for by multiplying data by 1... NaN means that the datum was a letter or letters, a number means the datum was a number.

Substring, indexOf and other string functions can be used to figure out where characters are and what the leading characters are in a field.

Examples of condition testing (if statement) can be found in the section on working with Booleans in chapter 4.

The methods toUpperCase and toLowerCase can reduce the number of conditions you need to check for, and because character codes run in sequences, if myString.charCodeAt(0) is greater than or equal to (\geq) the character code for A and less than or equal to (\leq) the character code for Z, then the first character of myString is an uppercase letter.