7. REGEX USES

What is Form Validation?

Introduction

When a user fills out an online form, there are checks that can be done using Regular Expressions to ensure that the input adheres to a predetermined set of criteria.

First Name

Assuming that this field requires a first name starting with a capital letter, and followed by lower case characters, this could be checked as follows:

```
RegEx_Pattern = "[A-Z][a-z]+"
```

Last Name

Assuming that this field requires a last name with the same criteria as "First Name":

```
RegEx_Pattern = "[A-Z][a-z]+"
```

Email Address

As we have seen before, the email address can be checked as follows:

```
RegEx_Pattern = "[A-Za-z+.]+@[A-Za-z.]+[A-Za-z]+"
```

Credit Card Number

Credit Card numbers are typically 16 digits long, so we can do the following:

```
RegEx_Pattern = "[0-9]{16}"
```

Date on Card

The date follows the pattern, MM/YY:

```
RegEx_Pattern = "(0[1-9]|1[0-2])/[0-9](2)"
```

CVC

CVC typically has 3 digits long, so we can do the following:

```
RegEx_Pattern = "[0-9]{3}"
```

A RegEx approach can do a great deal, but for more complex validation issues, other approaches can be used in conjunction with RegExes.

#RegExThursday © Damian Gordon