

LAB 7 - REGEX ATE MY NEIGHBORS

Task: Write a program that will recognize invalid inputs using regular expressions.

What will the application do?

- The program will validate different kinds of input.

Build Specifications

1. Write a method that will validate names. Names can only have alphabets, they should start with a capital letter, and they have a maximum length of 30.
2. Write a method that will validate emails. An email should be in the following format: {combination of alphanumeric characters, with a length between 5 and 30, and there are no special characters}@{combination of alphanumeric characters, with a length between 5 and 10, and there is no special characters}. {domain can be combination of alphanumeric characters with a length of two or three}
3. Write a method that will validate phone numbers. A phone number should be in the following format: {area code of 3 digits} – {3digits} – {4 digits}
4. Write a method that will validate date based on the following format: (dd/mm/yyyy).

Hints:

- Use <https://regexr.com/> to try out the regular expressions before adding them to your C# code.

Extended Challenges:

- Write a method that validates HTML elements (Example: `<p> </p>` is a valid html element, and `<h1 <h1>` is not valid. Don't worry about special cases where you have self-contained HTML elements).

Console Preview:

```
Please enter a valid Name: James123
Sorry, name is not valid!

Please enter a valid email: james@james.com
Email is valid!

Please enter a valid phone number: 333443443434
Sorry, phone is not valid!
Please enter a valid date: 3/4/18
Sorry, date is not valid!
```

