

MIS3690 - Web Technologies

2020 Summer

Babson College

JavaScript - Form Validation

Processing form data

- check if `input` is blank
 - `.value.length` – the number of characters typed in the form input
 - Example:

```
if (myForm["userName"].value.length == 0){  
    ...  
}  
// or if(myForm["userName"].value=="")
```

- check if the entered value is a number
 - `isNaN()`
 - Example: `isNaN(myForm["age"].value)`
 - returns `true` if the user entered a non-numerical value
 - returns `false` if the user typed a numerical value

In-class exercise: *ex16-1.html*

- Download *ex16-1.html* from GitHub (*[mis3690/resources/templates](#)*) and write JavaScript
- When a user clicks the button, it will
 - capture the user inputs from the text boxes and dropdown list
 - display all the inputs in the textarea
 - check to make sure that the user has entered something in the text boxes
 - check to make sure that the age value is a numerical value
- Can you hide age input when the checkbox (commented) is checked?

In-class exercise: *ex16-2.html* (pair programming)

- Creating a Celsius (C) - Fahrenheit (F) converter
 - create a form with two text inputs - one for F and the other for C
 - add a button "CONVERT" and one "CLEAR" or "RESET"
 - write a function that will convert one from the other, both ways
 - $F = C * (9 / 5) + 32$
 - $C = (F - 32) * (5 / 9)$
 - validate to make sure that the user does not "try anything funny"
 - if the user does not enter any value, let the user know
 - if the user enters a non-numeric value, let the user know

(Remote) Pair Programming

- Driver
 - typing code
 - sharing screen
- Navigator
 - paying close attention to the code
 - providing guidance and suggestions whenever possible
- Ideally, the Driver and Navigator will switch roles

Benefits of (Remote) Pair Programming

1. Constant feedback
2. Reduced frustration
3. Increased focus
4. Social interaction
5. Accountability
6. Collaborative skills
7. Real-world experience
8. Mentorship

source: [How Remote Pair Programming Works & Why it Can Change Your Life](#)

Questions?

