# Form Validation & Events

How to make a form and validate its data the Angular way.

# Objectives

+   Make a form with angular directives

+   Validate a form using Angular directives

+   Display messages to the user about what they have entered on the form

# Useful Directives

+ ng-class
+ $touched
+ $dirty
+ $invalid
+ ng-if
+ ng-disabled
+ ng-submit
+ ng-click

# ng-class= "{'class': conditions}"

The ng-class directive styles an element based on conditions. There can be multiple classes, each with different conditions.

# $touched

True if an element has been manipulated by the user.

# $dirty

True if the form has been changed from its initial state. `$pristine` is the logical opposite.

# $invalid

True if the form contains invalid data. $valid is the logical opposite.

# ng-if

Displays an element if the specified condition is true

# ng-disabled

Disables an element based on a condition.

# ng-click

Handles a click, the Angular way. Accesses any of the functions on the controller.

# ng-submit

Submits a form the angular way. *Use this instead of click to submit a form.*