AngularJS Directives

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| **Directive** | **Description** |
| [ng-app](https://www.w3schools.com/angular/ng_ng-app.asp) | Defines the root element of an application. |
| [ng-bind](https://www.w3schools.com/angular/ng_ng-bind.asp) | Binds the content of an HTML element to application data. |
| [ng-bind-html](https://www.w3schools.com/angular/ng_ng-bind-html.asp) | Binds the innerHTML of an HTML element to application data, and also removes dangerous code from the HTML string. |
| [ng-bind-template](https://www.w3schools.com/angular/ng_ng-bind-template.asp) | Specifies that the text content should be replaced with a template. |
| [ng-blur](https://www.w3schools.com/angular/ng_ng-blur.asp) | Specifies a behavior on blur events. |
| [ng-change](https://www.w3schools.com/angular/ng_ng-change.asp) | Specifies an expression to evaluate when content is being changed by the user. |
| [ng-checked](https://www.w3schools.com/angular/ng_ng-checked.asp) | Specifies if an element is checked or not. |
| [ng-class](https://www.w3schools.com/angular/ng_ng-class.asp) | Specifies CSS classes on HTML elements. |
| [ng-class-even](https://www.w3schools.com/angular/ng_ng-class-even.asp) | Same as ng-class, but will only take effect on even rows. |
| [ng-class-odd](https://www.w3schools.com/angular/ng_ng-class-odd.asp) | Same as ng-class, but will only take effect on odd rows. |
| [ng-click](https://www.w3schools.com/angular/ng_ng-click.asp) | Specifies an expression to evaluate when an element is being clicked. |
| [ng-cloak](https://www.w3schools.com/angular/ng_ng-cloak.asp) | Prevents flickering when your application is being loaded. |
| [ng-controller](https://www.w3schools.com/angular/ng_ng-controller.asp) | Defines the controller object for an application. |
| [ng-copy](https://www.w3schools.com/angular/ng_ng-copy.asp) | Specifies a behavior on copy events. |
| [ng-csp](https://www.w3schools.com/angular/ng_ng-csp.asp) | Changes the content security policy. |
| [ng-cut](https://www.w3schools.com/angular/ng_ng-cut.asp) | Specifies a behavior on cut events. |
| [ng-dblclick](https://www.w3schools.com/angular/ng_ng-dblclick.asp) | Specifies a behavior on double-click events. |
| [ng-disabled](https://www.w3schools.com/angular/ng_ng-disabled.asp) | Specifies if an element is disabled or not. |
| [ng-focus](https://www.w3schools.com/angular/ng_ng-focus.asp) | Specifies a behavior on focus events. |
| ng-form | Specifies an HTML form to inherit controls from. |
| [ng-hide](https://www.w3schools.com/angular/ng_ng-hide.asp) | Hides or shows HTML elements. |
| [ng-href](https://www.w3schools.com/angular/ng_ng-href.asp) | Specifies a url for the <a> element. |
| [ng-if](https://www.w3schools.com/angular/ng_ng-if.asp) | Removes the HTML element if a condition is false. |
| [ng-include](https://www.w3schools.com/angular/ng_ng-include.asp) | Includes HTML in an application. |
| [ng-init](https://www.w3schools.com/angular/ng_ng-init.asp) | Defines initial values for an application. |
| ng-jq | Specifies that the application must use a library, like jQuery. |
| [ng-keydown](https://www.w3schools.com/angular/ng_ng-keydown.asp) | Specifies a behavior on keydown events. |
| [ng-keypress](https://www.w3schools.com/angular/ng_ng-keypress.asp) | Specifies a behavior on keypress events. |
| [ng-keyup](https://www.w3schools.com/angular/ng_ng-keyup.asp) | Specifies a behavior on keyup events. |
| [ng-list](https://www.w3schools.com/angular/ng_ng-list.asp) | Converts text into a list (array). |
| [ng-maxlength](https://www.w3schools.com/angular/ng_ng-maxlength.asp) | Specifies the maximum number of characters allowed in the input field. |
| [ng-minlength](https://www.w3schools.com/angular/ng_ng-minlength.asp) | Specifies the minimum number of characters allowed in the input field. |
| [ng-model](https://www.w3schools.com/angular/ng_ng-model.asp) | Binds the value of HTML controls to application data. |
| [ng-model-options](https://www.w3schools.com/angular/ng_ng-model-options.asp) | Specifies how updates in the model are done. |
| [ng-mousedown](https://www.w3schools.com/angular/ng_ng-mousedown.asp) | Specifies a behavior on mousedown events. |
| [ng-mouseenter](https://www.w3schools.com/angular/ng_ng-mouseenter.asp) | Specifies a behavior on mouseenter events. |
| [ng-mouseleave](https://www.w3schools.com/angular/ng_ng-mouseleave.asp) | Specifies a behavior on mouseleave events. |
| [ng-mousemove](https://www.w3schools.com/angular/ng_ng-mousemove.asp) | Specifies a behavior on mousemove events. |
| [ng-mouseover](https://www.w3schools.com/angular/ng_ng-mouseover.asp) | Specifies a behavior on mouseover events. |
| [ng-mouseup](https://www.w3schools.com/angular/ng_ng-mouseup.asp) | Specifies a behavior on mouseup events. |
| [ng-non-bindable](https://www.w3schools.com/angular/ng_ng-non-bindable.asp) | Specifies that no data binding can happen in this element, or its children. |
| [ng-open](https://www.w3schools.com/angular/ng_ng-open.asp) | Specifies the open attribute of an element. |
| [ng-options](https://www.w3schools.com/angular/ng_ng-options.asp) | Specifies <options> in a <select> list. |
| [ng-paste](https://www.w3schools.com/angular/ng_ng-paste.asp) | Specifies a behavior on paste events. |
| ng-pluralize | Specifies a message to display according to en-us localization rules. |
| [ng-readonly](https://www.w3schools.com/angular/ng_ng-readonly.asp) | Specifies the readonly attribute of an element. |
| [ng-repeat](https://www.w3schools.com/angular/ng_ng-repeat.asp) | Defines a template for each data in a collection. |
| [ng-required](https://www.w3schools.com/angular/ng_ng-required.asp) | Specifies the required attribute of an element. |
| [ng-selected](https://www.w3schools.com/angular/ng_ng-selected.asp) | Specifies the selected attribute of an element. |
| [ng-show](https://www.w3schools.com/angular/ng_ng-show.asp) | Shows or hides HTML elements. |
| [ng-src](https://www.w3schools.com/angular/ng_ng-src.asp) | Specifies the src attribute for the <img> element. |
| [ng-srcset](https://www.w3schools.com/angular/ng_ng-srcset.asp) | Specifies the srcset attribute for the <img> element. |
| [ng-style](https://www.w3schools.com/angular/ng_ng-style.asp) | Specifies the style attribute for an element. |
| [ng-submit](https://www.w3schools.com/angular/ng_ng-submit.asp) | Specifies expressions to run on onsubmit events. |
| [ng-switch](https://www.w3schools.com/angular/ng_ng-switch.asp) | Specifies a condition that will be used to show/hide child elements. |
| ng-transclude | Specifies a point to insert transcluded elements. |
| [ng-value](https://www.w3schools.com/angular/ng_ng-value.asp) | Specifies the value of an input element. |

AngularJS Directives on HTML Elements

AngularJS modifies the default behavior of some HTML elements.

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| **Element** | **Description** |
| [a](https://www.w3schools.com/angular/ng_a.asp) | AngularJS modifies the <a> element's default behaviors. |
| [form](https://www.w3schools.com/angular/ng_form.asp) | AngularJS modifies the <form> element's default behaviors. |
| [input](https://www.w3schools.com/angular/ng_input.asp) | AngularJS modifies the <input> element's default behaviors. |
| script | AngularJS modifies the <script> element's default behaviors. |
| select | AngularJS modifies the <select> element's default behaviors. |
| [textarea](https://www.w3schools.com/angular/ng_textarea.asp) | AngularJS modifies the <textarea> element's default behaviors. |

AngularJS Filters

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| **Filter** | **Description** |
| [currency](https://www.w3schools.com/angular/ng_filter_currency.asp) | Format a number to a currency format. |
| [date](https://www.w3schools.com/angular/ng_filter_date.asp) | Format a date to a specified format. |
| [filter](https://www.w3schools.com/angular/ng_filter_filter.asp) | Select a subset of items from an array. |
| [json](https://www.w3schools.com/angular/ng_filter_json.asp) | Format an object to a JSON string. |
| [limitTo](https://www.w3schools.com/angular/ng_filter_limitto.asp) | Limits an array, or a string, into a specified number of elements/characters. |
| [lowercase](https://www.w3schools.com/angular/ng_filter_lowercase.asp) | Format a string to lower case. |
| [number](https://www.w3schools.com/angular/ng_filter_number.asp) | Format a number to a string. |
| [orderBy](https://www.w3schools.com/angular/ng_filter_orderby.asp) | Orders an array by an expression. |
| [uppercase](https://www.w3schools.com/angular/ng_filter_uppercase.asp) | Format a string to upper case. |

Filters are explained in [Angular Filters](https://www.w3schools.com/angular/angular_filters.asp).

AngularJS Validation Properties

* $dirty
* $invalid
* $error

Validation is explained in [Angular Validation](https://www.w3schools.com/angular/angular_validation.asp).

AngularJS Global API

Converting

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| **API** | **Description** |
| angular.lowercase() | Converts a string to lowercase |
| angular.uppercase() | Converts a string to uppercase |
| angular.copy() | Creates a deep copy of an object or an array |
| angular.forEach() | Executes a function for each element in an object or array |

Comparing

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| **API** | **Description** |
| angular.isArray() | Returns true if the reference is an array |
| angular.isDate() | Returns true if the reference is a date |
| angular.isDefined() | Returns true if the reference is defined |
| angular.isElement() | Returns true if the reference is a DOM element |
| angular.isFunction() | Returns true if the reference is a function |
| angular.isNumber() | Returns true if the reference is a number |
| angular.isObject() | Returns true if the reference is an object |
| angular.isString() | Returns true if the reference is a string |
| angular.isUndefined() | Returns true if the reference is undefined |
| angular.equals() | Returns true if two references are equal |

JSON

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| **API** | **Description** |
| angular.fromJson() | Takes a JSON string and returns an JavaScript object |
| angular.toJson() | Takes a JavaScript object and returns a JSON string |

Basic

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| **API** | **Description** |
| angular.bootstrap() | Starts AngularJS manually |
| angular.element() | Wraps an HTML element as an jQuery element |
| angular.module() | Creates, registers, or retrieves an AngularJS module |

The Global API is explained in [Angular API](https://www.w3schools.com/angular/angular_api.asp).