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Angular\_js [codecademy]

A Javascript web framework aimed to make web apps simple to build and easy to maintain.

# Static Sites

## app.js

### Module

#### Contains the different components of an AngularJS app

## index.html

### Directive

#### Tells AngularJS where the module will live

#### ng-app

##### used to define the application scope

#### ng-controller

##### Directive that defines the controller scope

###### Properties attached to $scope from controller now available in the div

#### Generalization of directives

##### Bind behavior to HTML elements, AngularJS walks through each HTML element looking for directives, then triggers the behavior it finds

###### i.e. attach a scope or loop through an array

### Expressions

#### Used to display values on the page

##### i.e. $scope.title (from controller)

## maincontroller.js

### Controller

#### Manages the apps data

##### i.e. store a string (like title) and attach it to $scope

## Typical work flow

### Create module, and use ng-app in the view to define the application scope

### Create a controller and use ng-controller in the view to define the controller scope

### Add data to the $scope in the controller so it can be displayed in the view

## Filters

### Purpose

#### Format the data in the view

### How it works

#### AngularJS get the value, sends it into the filter, the pipe -- | -- takes the output on the left and “pipes” it to the right, and the filter outputs a formatted result

#### Filters help to separate content in the controller from presentation in the view

#### [Built in filters](https://docs.angularjs.org/api/ng/filter)

## Quick Review

### Module 🡪 contains different components of an AngularJS

### Controller 🡪 manages the app’s data

### Expression 🡪 displays values on the page

### Filter 🡪 formats the value of an expression

## ng-repeats

### Use array in the controller to store objects

### In the view add the directive, ng-repeat=”product in products” to loop through array and displace each element

# Interactive app

## App.js

## index.html

### ng-click

#### Notice the function doesn’t interact with the view at all; just updates the controller, and any change in controller then shows up in view.

## maincontroller.js