$scope

(it's dope)

(and it's not new)

Objectives

- start to understand how controller scope works in angular
- name the angular directives that create their own scope
- understand how to troubleshoot $scope problems with above directives(hint:dot!)
- intro to "Controller as..." syntax

Review

In your own words on whiteboards, what is scope?

$scope is and object {}

- objects use **prototypal inhertiance**
- whiteboards: own words, what does **prototypal inhertiance** mean?

$scope is and object {} (cont'd)

- we are defining $scope in our controllers
- controllers are ”glue” between the view(html) and JS code

$scope is and object {} (cont'd)

- the base scope object in angular is **$rootScope**
- Q: implactions of $rootScope: ?
- A: store variables that can be used through the app!

$rootScope (you need to inject it)

```
var app = angular.module("myApp", [])
    app.controller("Controller1", function($scope,$rootScope) {
      $scope.name = 'matthew'
      console.log('scope',$scope);
      console.log('rootScope',$rootScope);
    });
```

...If you can read this, you are now listening to shapes...

$scope inheritance, like genetic inheritance, can produce some unexpected results...

galvanize learn article on scope

What can we do to remedy this behavior?

- → create a property on a new object in the controller

```
var app = angular.module("myApp", [])
      app.controller("Controller1", function($scope) {
        $scope.view = {}
        $scope.view.posts = [{id:1, title:'titular'},{id:2,title:'entitled'}]
      });
```

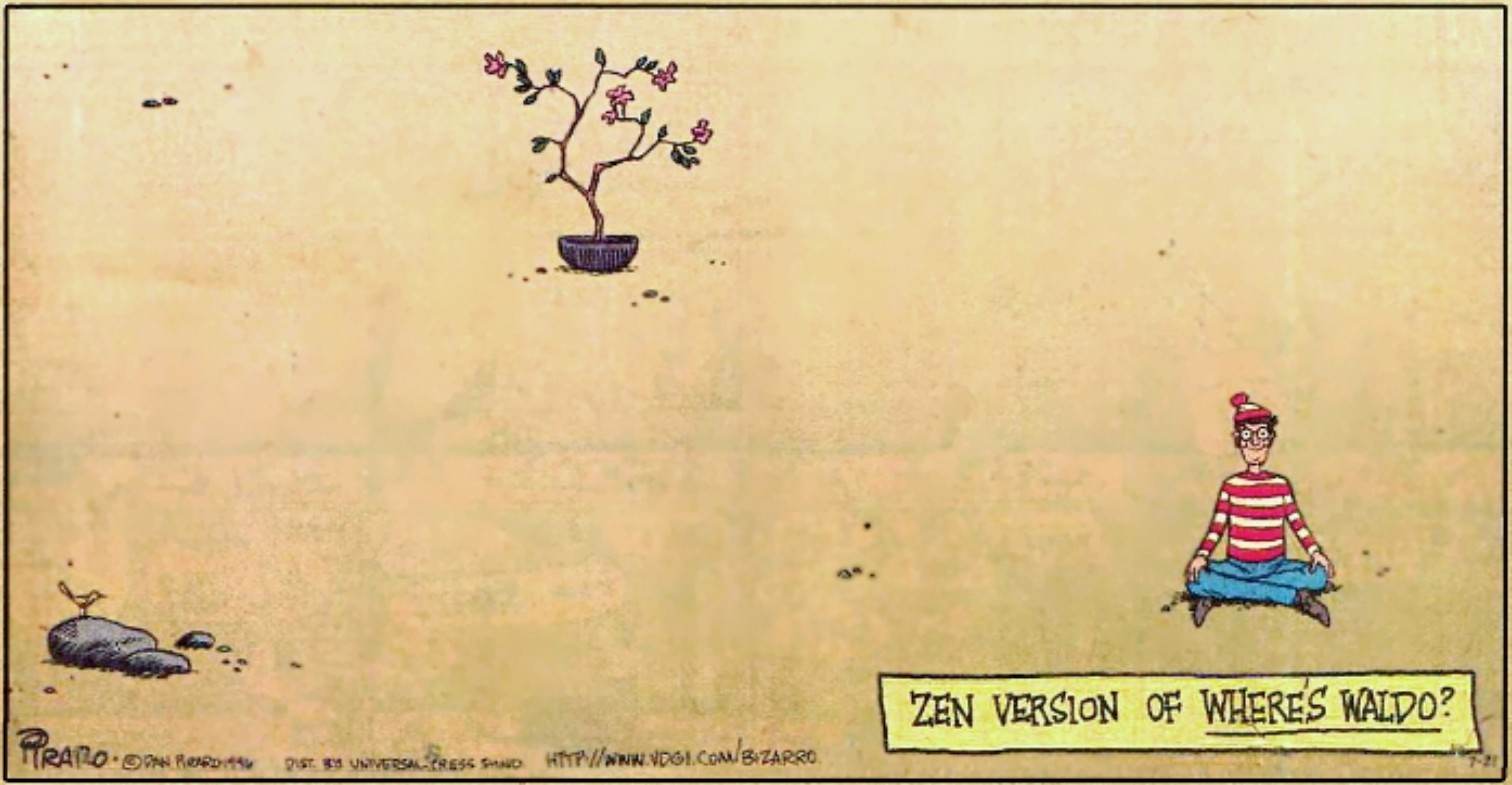
```
<div ng-repeat="post in view.posts">
  <p>
    {{id}}: {{title}}
  </p>

</div>
```

OR

- use "Controller as" syntax

- refresher: scope is a property attached to html elements
- certain angular directives create their own scope. Use a dot with these. They include...

1. ng-controller
2. ng-repeat
3. ng-if (destroys scope every time its false, careful!)
4. ng-view



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