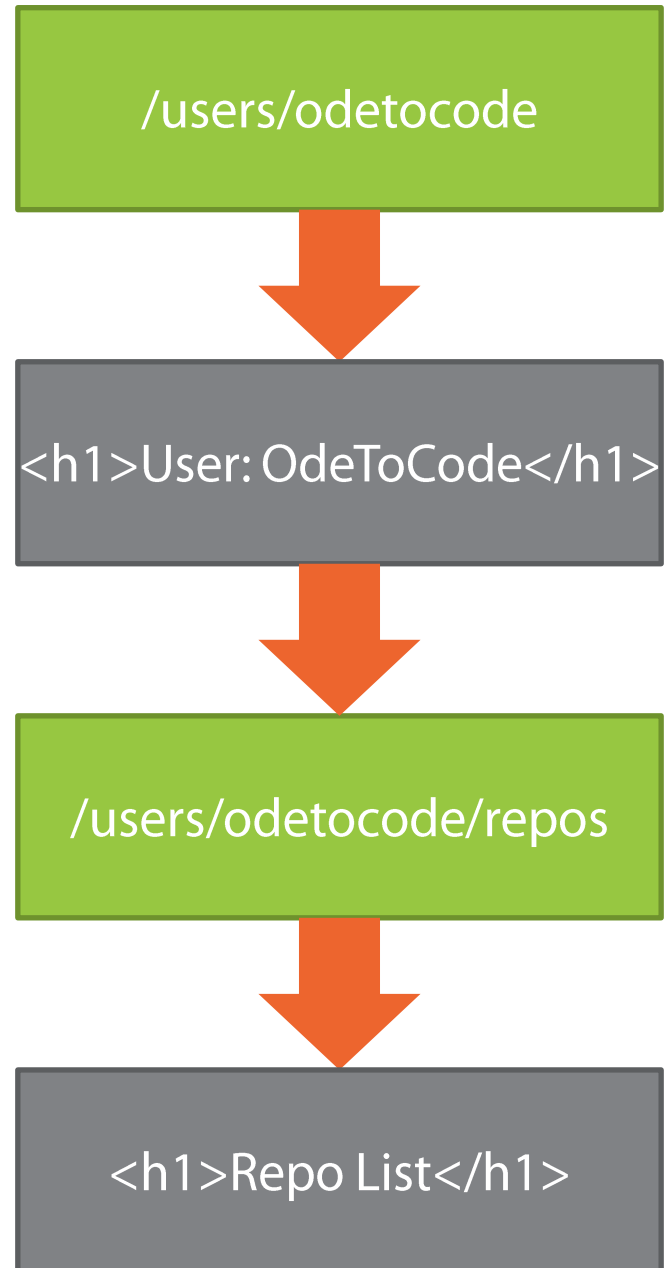# Routing

K. Scott Allen
odetocode.com
@OdeToCode

pluralsight
hardcore dev and IT training

Routing

- **Routing based on URL**

- **Routing engine captures request**

- **Routing rules render a response**

/users/odetocode

<h1>User: OdeToCode</h1>

/users/odetocode/repos
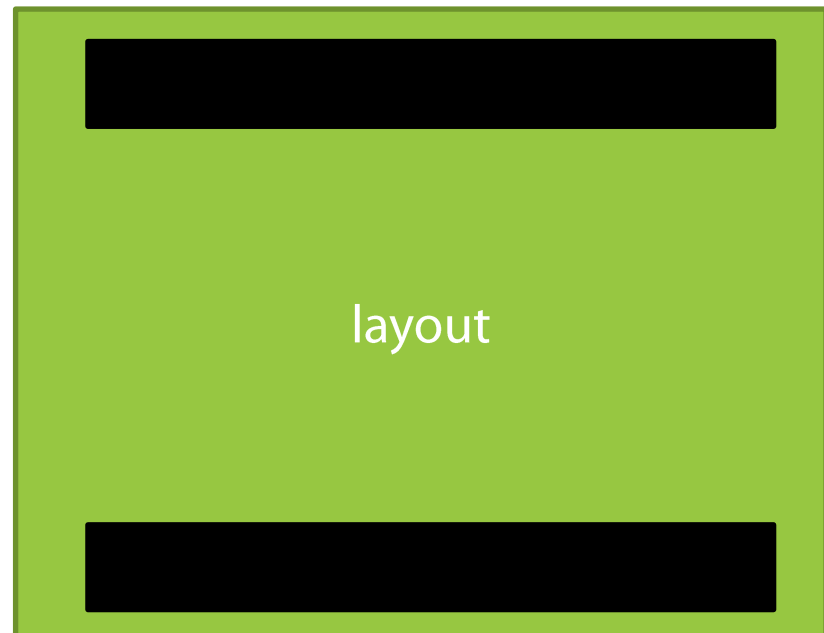
<h1>Repo List</h1>

Routing With Angular

- **Depends on another module: angular-route.js**

- **Configure rules into $routeProvider**

- **Setup a layout view**

```
$routeProvider
    .when("/main", {
        templateUrl: "main.html",
        controller: "MainController"
    })
```

User.html

Repo.html

layout

Routing With Angular

- **Depends on another module: angular-route.js**

- **Configure rules into $routeProvider**

- **Setup a layout view**

```
$routeProvider
    .when("/main", {
        templateUrl: "main.html",
        controller: "MainController"
    })
```

User.html

Repo.html

ng-view

main.html
(search user)

user.html
(user details)

repo.html
(repository details)

index.html
(shell)

Chained Promises

- **Each return is the input to the next success function**

```
return $http.get(repoUrl)

        .then(function(response){
            repo = response.data;
            return $http.get(repoUrl + "/collaborators");
        })

        .then(function(response){
            repo.collaborators = response.data;
            return repo;
        })
```

In The Controller:

```
github.getRepoDetails(username, reponame).then(function(data){
    $scope.repo = data;
});
```

The End is the Beginning

- **Angular.js – a framework for building HTML applications**
  - Controllers
  - Models
  - Views
  - Services

- **Routing**
  - Navigation
  - Smaller pieces