

AngularJS Routing <https://angularjs.org/#the-basics>

index.html:

```
<!doctype html>
<html>
  <head>
    <link href="https://s3.amazonaws.com/codecademy-content/projects/
bootstrap.min.css" rel="stylesheet" />
    <link href='https://fonts.googleapis.com/css?family=Roboto:400,500,300'
rel='stylesheet' type='text/css'>
    <link href="css/main.css" rel="stylesheet" />

    <!-- Include the core AngularJS library -->
    <script src="//ajax.googleapis.com/ajax/libs/angularjs/1.3.5/
angular.min.js"></script>

    <!-- Include the AngularJS routing library -->
    <script src="https://code.angularjs.org/1.2.28/angular-route.min.js"></
script>
  </head>
  <body ng-app="GalleryApp">

    <div class="header">
      <div class="container">
        <a href="/#/"/>
          
        </a>
      </div>
    </div>

    <div ng-view></div>

    <!-- Modules -->
    <script src="js/app.js"></script>

    <!-- Controllers -->
    <script src="js/controllers/HomeController.js"></script>
    <script src="js/controllers/PhotoController.js"></script>

    <!-- Services -->
    <script src="js/services/photos.js"></script>
```

```
</body>
</html>
```

### app.js

```
var app = angular.module('GalleryApp', ['ngRoute']);
app.config(function ($routeProvider) {
  $routeProvider
    .when('/', {
      controller: 'HomeController',
      templateUrl: 'views/home.html'
    })
    .when('/photos/:id', {
      controller: 'PhotoController',
      templateUrl: 'views/photo.html'
    })
    .otherwise({
      redirectTo: '/'
    });
});
```

Great! A gallery of images shows up. How does it work?

1. In **app.js** inside the app.config() method, we use Angular's \$routeProvider to define the application routes.
2. We used .when() to map the URL / to the controller HomeController and the template home.html. The HomeController uses the service **js/services/photos.js** to fetch the array of all photos from <https://s3.amazonaws.com/codecademy-content/courses/ltp4/photos-api/photos.json> and stores it into \$scope.photos. The home.html uses ng-repeat to loop through each item in the photos array and display each photo.
3. Otherwise if a user accidentally visits a URL other than /, we just redirect to / using .otherwise().
4. Now when a user visits /, a view will be constructed by injecting home.html into the <div ng-view></div> in **index.html**.

### views/photo.html:

```
<div class="photo">
  <div class="container">
    
    <h2 class="photo-title"> </h2>
    <p class="photo-author">  </p>
    <p class="photo-views"> </p>
    <p class="photo-upvotes"> </p>
  </div>
  <p class="photo-pubdate"> </p>
</div>
```

### views/home.html:

```

<div class="main">
  <div class="container">

    <h2>Recent Photos</h2>
    <div class="row">
      <div class="item col-md-4" ng-repeat="photo in photos">
        <a href="#/photos/{{ $index }}">
          
          <p class="author">by {{ photo.author }}</p>
        </a>
      </div>
    </div>
  </div>
</div>

```

### **Photo.Controller.js**

```

app.controller('PhotoController', ['$scope', 'photos', '$routeParams',
function($scope, photos, $routeParams) {
  photos.success(function(data) {
    $scope.detail = data[$routeParams.id];
  });
}]);

```

Routes are a way to manage apps containing more views.