

routing

\$route

```
npm install angular-route --save
angular.module('ngRouteExample', ['ngRoute'])
```

\$route

```
$routeProvider
   .when('/Book/:bookId', {
    templateUrl: 'book.html',
    controller: 'BookController',
    resolve: {
      // I will cause a 1 second delay
      delay: function($q, $timeout) {
        var delay = $q.defer();
        $timeout(delay.resolve, 1000);
        return delay.promise;
  .when('/Book/:bookId/ch/:chapterId', {
    templateUrl: 'chapter.html',
    controller: 'ChapterController'
  });
  $locationProvider.html5Mode(true);
```

\$route

```
<a href="Book/Moby">Moby</a>
<a href="Book/Moby/ch/1">Moby: Ch1</a>
<a href="Book/Gatsby">Gatsby</a>
<a href="Book/Gatsby/ch/4?key=value">Gatsby: Ch4</a>
<a href="Book/Scarlet">Scarlet Letter</a><br/>
```

```
npm install angular-ui-router --save
angular.module('myApp', ['ui.router']);
```

```
<!-- index.html -->
<body>
   <div ui-view></div>
    <!-- We'll also add some navigation: -->
    <a ui-sref="state1">State 1</a>
    <a ui-sref="state2">State 2</a>
</body>
```

```
<!-- partials/state1.html -->
<h1>State 1</h1>
<hr/>
<a ui-sref="state1.list">Show List</a>
<div ui-view></div>
<!-- partials/state2.html -->
<h1>State 2</h1>
<hr/>
<a ui-sref="state2.list">Show List</a>
<div ui-view></div>
```

```
// For any unmatched url, redirect to /state1
$urlRouterProvider.otherwise("/state1");
//
// Now set up the states
$stateProvider
  .state('state1', {
    url: "/state1",
    templateUrl: "partials/state1.html"
  .state('state1.list', {
   url: "/list",
    templateUrl: "partials/state1.list.html",
    controller: function($scope) {
      $scope.items = ["A", "List", "Of", "Items"];
  .state('state2', {
   url: "/state2",
    templateUrl: "partials/state2.html"
  .state('state2.list', {
    url: "/list",
    templateUrl: "partials/state2.list.html",
    controller: function($scope) {
      $scope.things = ["A", "Set", "Of", "Things"];
  });
```

```
<!-- index.html -->
<body>
    <div ui-view="viewA"></div>
    <div ui-view="viewB"></div>
    <!-- Also a way to navigate -->
    <a ui-sref="route1">Route 1</a>
    <a ui-sref="route2">Route 2</a>
</body>
```

```
myApp.config(function($stateProvider) {
  $stateProvider
    .state('index', {
      url: "",
      views: {
        "viewA": { template: "index.viewA" },
        "viewB": { template: "index.viewB" }
    .state('route1', {
      url: "/route1",
      views: {
        "viewA": { template: "route1.viewA" },
        "viewB": { template: "route1.viewB" }
    .state('route2', {
      url: "/route2",
      views: {
        "viewA": { template: "route2.viewA" },
        "viewB": { template: "route2.viewB" }
```

Tasks

- Create application with tag game, timer and calculator on separate views
- Use multiple views for show statistic and apps

providers

```
1. app.config(() => {})
2. app.run(() => {})
3. directive's compile functions
      (if they are found in the DOM)
4. app.controller((Services, Factories) => {})
5. directive's link functions
      (again, if found)
```

```
app.config(($http) => {});
angular.js:68 Uncaught Error: [$injector:modulerr] Failed to instantiate module app due to Error: [$injector:unpr] Unknown provider: $http
http://errors.angularjs.org/1.5.8/$injector/unpr?p0=%24http
    at http://192.168.1.103:8080/lib/boundle.js:3543:12
    at http://192.168.1.103:8080/lib/boundle.js:7986:19
    at getService (http://192.168.1.103:8080/lib/boundle.js:8139:39)
    at injectionArgs (http://192.168.1.103:8080/lib/boundle.js:8163:58)
    at Object.invoke (http://192.168.1.103:8080/lib/boundle.js:8185:18)
    at runInvokeQueue (http://192.168.1.103:8080/lib/boundle.js:8086:35)
    at http://192.168.1.103:8080/lib/boundle.js:3796:20)
    at loadModules (http://192.168.1.103:8080/lib/boundle.js:7998:19)
http://errors.angularjs.org/1.5.8/$injector/modulerr?p0=Lesson5App&p1=Error...
```

```
app.run(($translateProvider) => {});
angular.js:68Uncaught Error: [$injector:unpr]
Unknown provider: $translateProviderProvider <- $translateProvider</pre>
http://errors.angularjs.org/1.5.8/$injector/unpr?p0=%24translateProviderProvider
app.controller('MyController1', function ($translateProvider) {});
angular.js:13920Error: [$injector:unpr]
Unknown provider: $translateProviderProvider <- $translateProvider <- MyControll
http://errors.angularjs.org/1.5.8/$injector/unpr?p0=%24translateProviderProvider
    at angular.js:68
    at angular.js:4511
    at Object.getService [as get] (angular.js:4664)
    at angular.js:4516
    at getService (angular.js:4664)
    at injectionArgs (angular.js:4688)
    at Object.invoke (angular.js:4710)
    at $controllerInit (angular.js:10354)
    at nodeLinkFn (angular.js:9263)
    at compositeLinkFn (angular.js:8620)
```

```
app.run(($translateProvider) => {});
angular.js:68Uncaught Error: [$injector:unpr]
Unknown provider: $translateProviderProvider <- $translateProvider</pre>
http://errors.angularjs.org/1.5.8/$injector/unpr?p0=%24translateProviderProvider
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    at compositeLinkFn (angular.js:8620)
```

\$provide

```
var app = angular.module('app', []);
app.config(($provide) => {
  $provide.constant('CONSTANT URL', '/test');
  $provide.service('movie', function () {
   this.title = 'The Matrix';
 });
app.controller('ctrl', function (CONSTANT URL, movie) {});
```

\$provide

```
var app = angular.module('app', []);
app.config(($provide) => {
 $provide.value('movieTitle', 'The Matrix');
 $provide.decorator('movieTitle', ($delegate) => {
   return $delegate + ' - starring Keanu Reeves';
 });
});
app.controller('ctrl', function (CONSTANT URL, movie, movieTitle) {});
```

```
var app = angular.module('app', []);
app.provider('movie', function () {
 var version;
 return {
    setVersion: function (value) {
     version = value;
    },
    $get: function () {
      return {
          title: 'The Matrix' + ' ' + version
app.config(function (movieProvider) {
 movieProvider.setVersion('Reloaded');
});
app.controller('ctrl', function (movie) {
 expect(movie.title).toEqual('The Matrix Reloaded');
```

Tasks

 Create provider for service calls and configure them and config stage

forms

```
<input type="text" ng-model="firstname">

var app = angular.module('myApp', []);
app.controller('formCtrl', function($scope) {
    $scope.firstname = "John";
});
```

```
<form>
Pick a topic:
<input type="radio" ng-model="myVar" value="dogs">Dogs
<input type="radio" ng-model="myVar" value="tuts">Tutorials
<input type="radio" ng-model="myVar" value="cars">Cars
</form>
```

```
<div ng-controller="MyController" >
    <form>
        <select ng-model="myForm.car"</pre>
          ng-options="car.id as car.name for car in myForm.options">
          <option value="">Please choose a car</option>
        </select>
    </form>
    <div>
        {{myForm.car}}
    </div>
</div>
angular.module("myapp", [])
    .controller("MyController", function($scope) {
        $scope.myForm = {};
        $scope.myForm.car = "nissan";
        $scope.myForm.options = [
          { id : "nissan", name: "Nissan" }
         ,{ id : "toyota", name: "Toyota" }
         ,{ id : "fiat" , name: "Fiat" }
         1;
```

```
<div ng-controller="MyController" >
    <form>
        <select multiple="true" ng-model="myForm.car"</pre>
        ng-options="obj.id as obj.name
                         for obj in myForm.options
                         group by obj.type">
        </select>
    </form>
    <div>
        {{myForm.car}}
    </div>
</div>
<script>
    angular.module("myapp", [])
        .controller("MyController", function($scope) {
            $scope.myForm = {};
            $scope.myForm.car = ["nissan"];
            $scope.myForm.options = [
              { id : "nissan", name: "Nissan" }
             ,{ id : "toyota", name: "Toyota" }
             ,{ id : "fiat" , name: "Fiat" }
             ];
         );
</script>
```

Tasks

- Create tick-tack-toe
- Make user registration for your tick-tack-toe game app
- Registration form should have following fields: name, e-mail, password, re-password, avatar, age, role
- User's data should be saved on server
- Statistic should saved on server



Pet Project