Exercise (Instructions): Ionic and AngularJS

Objectives and Outcomes

In this exercise you will modify the Ionic app that you scaffolded out in the previous Ionic exercise in order to start building the Ionic app for the conFusion restaurant. Along the way you will learn about Ionic CSS classes and Ionic's use of AngularJS directives. At the end of this exercise, you will be able to:

- Modify a scaffolded application to develop your own application

- Learn more about Ionic's CSS and AngularJS support.

Developing the conFusion App

- Open the conFusion app that you scaffolded out in the previous exercise, using a text editor of your choice. You will now explore some of the files in this project. Open the *index.html* file in the *www* folder.

- Modify the body tag in the file as shown below:

```
1        <body ng-app="conFusion">
```

- Next, open the app.js file and modify the following line of code as shown below:

```
1   angular.module('conFusion', ['ionic', 'conFusion.controllers'])
```

- Open the *controller.js* file and modify the following line of code as follows:

```
1   angular.module('conFusion.controllers', [])
```

Updating the Sidebar

- Rename the *menu.html* file as *sidebar.html* file and then open it.

- Update the contents of the sidebar.html file as follows:

```
 1    <ion-side-menus enable-menu-with-back-views="false">
 2      <ion-side-menu-content>
 3        <ion-nav-bar class="bar-royal">
 4          <ion-nav-back-button>
 5          </ion-nav-back-button>
 6          <ion-nav-buttons side="left">
 7            <button class="button button-icon button-clear ion-navicon" menu-toggle
                 ="left">
 8            </button>
 9          </ion-nav-buttons>
10        </ion-nav-bar>
11        <ion-nav-view name="mainContent"></ion-nav-view>
12      </ion-side-menu-content>
13      <ion-side-menu side="left">
14        <ion-header-bar class="bar-positive">
15          <h1 class="title">Navigation</h1>
16        </ion-header-bar>
17        <ion-content>
18          <ion-list>
19            <ion-item menu-close href="#/app/home">
20              Home
21            </ion-item>
22            <ion-item menu-close href="#/app/aboutus">
23              About Us
24            </ion-item>
25            <ion-item menu-close href="#/app/menu">
26              Menu
27            </ion-item>
28            <ion-item menu-close href="#/app/contactus">
29              Contact Us
30            </ion-item>
31            <ion-item class="item-divider">
32              Services
33            </ion-item>
34            <ion-item menu-close ng-click="login()">
35              Login
36            </ion-item>
37          </ion-list>
38        </ion-content>
39      </ion-side-menu>
40    </ion-side-menus>
```

- Save the file and switch to *app.js* file.

Updating the UI-Router

- Update the config in the *app.js* file as follows:

```
 1   .config(function($stateProvider, $urlRouterProvider) {
 2     $stateProvider
 3
 4     .state('app', {
 5       url: '/app',
 6       abstract: true,
 7       templateUrl: 'templates/sidebar.html',
 8       controller: 'AppCtrl'
 9     })
10
11     .state('app.home', {
12       url: '/home',
13       views: {
14         'mainContent': {
15           templateUrl: 'templates/home.html'
16         }
17       }
18     })
19
20     .state('app.aboutus', {
21         url: '/aboutus',
22         views: {
23           'mainContent': {
24             templateUrl: 'templates/aboutus.html'
25           }
26         }
27       })
28
29     .state('app.contactus', {
30         url: '/contactus',
31         views: {
32           'mainContent': {
33             templateUrl: 'templates/contactus.html'
34           }
35         }
36       })
37
38     .state('app.menu', {
39       url: '/menu',
40       views: {
41         'mainContent': {
42           templateUrl: 'templates/menu.html',
43           controller: ''
44         }
45       }
46     })
47
48     .state('app.dishdetails', {
49       url: '/menu/:id',
50       views: {
51         'mainContent': {
52           templateUrl: 'templates/dishdetail.html',
53           controller: ''
54         }
55       }
56     });
57
58     // if none of the above states are matched, use this as the fallback
59     $urlRouterProvider.otherwise('/app/home');
60
61  });
```

- Now, rename *search.html* to *home.html*. Then, update its contents as follows:

```
1    <ion-view view-title="Ristorante con Fusion">
2      <ion-content>
3        <h1>Ristorante con Fusion</h1>
4      </ion-content>
5    </ion-view>
```

- Then, rename *browse.html* to *aboutus.html.* Then update its contents as follows:

```
1    <ion-view view-title="About Us">
2      <ion-content>
3        <h1>About Us</h1>
4      </ion-content>
5    </ion-view>
```

- Next, rename *playlists.html* to *menu.html*. Then update its contents as follows:

```
1    <ion-view view-title="Menu">
2      <ion-content>
3        <ion-list>
4          <ion-item ng-repeat="dish in Dishes" href="#/app/menu/{{dish.id}}">
5            {{dish.name}}
6          </ion-item>
7        </ion-list>
8      </ion-content>
9    </ion-view>
```

- Finally, rename *playlist.html* to *dishdetail.html*. Then update its contents as follows:

```
1    <ion-view view-title="Dish Details">
2      <ion-content>
3        <h1>Dish Details</h1>
4      </ion-content>
5    </ion-view>
```

- Next, create a new file named *contactus.html* and paste the following into the file:

```
1    <ion-view view-title="Contact Us">
2      <ion-content>
3        <h1>Contact Us</h1>
4      </ion-content>
5    </ion-view>
```

- After making these changes, start the ionic server by typing the following at the prompt:

```
1        ionic serve --lab
```

Conclusions

In this exercise, you updated the scaffolded application to move it closer to the conFusion app that we wish to develop for our restaurant example.

✓ Complete