

Exercise (Instructions): Client-Server Communication using \$http

Objectives and Outcomes

In this exercise, you will learn about how to use the built-in Angular \$http service to communicate with the server and retrieve the data from the server. At the end of this exercise, you will be able to:

- Use the \$http service to retrieve data from a server using the \$http.get() method
- Use the retrieved data to render the page in your web application

Updating Services

- Open *services.js* to update it to retrieve data from the server. First add a constant to the Angular module as follows:

```
angular.module('confusionApp')  
  .constant("baseUrl", "http://localhost:3000/")
```

- Next you will do dependency injection into the menuFactory service of the \$http service and baseUrl constant as follows:

```
    .service('menuFactory', ['$http', 'baseUrl', function($http,  
    p, baseUrl) {  
  
        . . .  
  
    }])
```

Make sure to put the closing] at the end of the service function, to close the dependency array.

- Then, you will go into the *menuFactory* service and delete the *dishes* object from there. You will download the dishes information from the server.

- Next, update the two method in the *menuFactory* service to use the \$http service as follows:

```

        this.getDishes = function(){
                                return $http.get(baseUrl+"dishes");
        };
        this.getDish = function (index) {
                                return $http.get(baseUrl+"dishes/"+index);
        };

```

- Save the *services.js* file and then open *controllers.js* file.

Updating the Controllers

- Update the code in the *MenuController* to retrieve the data from the service as follows:

```

$scope.dishes= [];
menuFactory.getDishes()
.then(
    function(response) {
        $scope.dishes = response.data;
    }
);

```

- Similarly update the *DishDetailController* as follows:

```

$scope.dish = {};
menuFactory.getDish(parseInt($stateParams.id,10))
.then(
    function(response){
        $scope.dish = response.data;
        $scope.showDish=true;
    }
);

```

- Also update the *IndexController* to retrieve the data for the dish from the server as follows:

```
$scope.dish = {};  
  
menuFactory.getDish(0)  
.then(  
    function(response){  
        $scope.dish = response.data;  
        $scope.showDish = true;  
    }  
);
```

- Save *controllers.js* and then open *menu.html*
- Update the following code in *menu.html* as shown below to remove the `_` from the id:

```
<a ui-sref="app.dishdetails({id: dish.i  
d})">
```

- Save the changes in *menu.html* and then view the web page in the browser.

Conclusions

In this exercise, we updated the app to retrieve the data from the server using the `$http.get()` request.

