Exercise (Instructions): Handling Errors in Client-Server Communication using $resource

Objectives and Outcomes

In this exercise, you will be updating the previous exercise to handle errors that might result while accessing the server. Also you will be able to save the user's comments about a dish submitted through the form in dishdetail.html. At the end of this exercise, you will be able to:

- Handle errors caused during communication with a server using Angular $resource
- Submit user's comments about a dish to the server by updating the information on the server.

Updating Controllers

- Open *controllers.js* and update the MenuController as follows:

```
            $scope.showMenu = false;
            $scope.message = "Loading ...";
                        menuFactory.getDishes().query(
                function(response) {
                    $scope.dishes = response;
                    $scope.showMenu = true;
                },
                function(response) {
                    $scope.message = "Error: "+response.status + "
" + response.statusText;
                });
```

- Similarly update the DishDetailController as follows:

```
            $scope.showDish = false;
            $scope.message="Loading ...";
                        $scope.dish = menuFactory.getDishes().get
({id:parseInt($stateParams.id,10)})
            .$promise.then(
                            function(response){
                                $scope.dish = response;
                                $scope.showDish = true;
                            },
                            function(response) {
                                $scope.message = "Error: "+respons
e.status + " " + response.statusText;
                            }
            );
```

- Finally update the IndexController as follows:

```
                        $scope.showDish = false;
                        $scope.message="Loading ...";
                        $scope.dish = menuFactory.getDishes().get
({id:0})
                        .$promise.then(
                            function(response){
                                $scope.dish = response;
                                $scope.showDish = true;
                            },
                            function(response) {
                                $scope.message = "Error: "+respons
e.status + " " + response.statusText;
                            }
                        );
```

Updating Information on the Server

- Now you will update the DishCommentController as follows in order to submit the user's comments about a dish to the server. Inject the *menuFactory* to the *DishCommentController*:

```
        .controller('DishCommentController', ['$scope', 'menuFactor
y', function($scope,menuFactory) {
```

- Also, update the submitComment() function as follows:

```
            $scope.submitComment = function () {
                                $scope.mycomment.date = new Date().
toISOString();
                console.log($scope.mycomment);
                                $scope.dish.comments.push($scope.my
comment);

                menuFactory.getDishes().update({id:$scope.dish.i
d},$scope.dish);
                                $scope.commentForm.$setPristine();
                                $scope.mycomment = {rating:5, comme
nt:"", author:"", date:""};
            }
```

- Save the changes and see the updated web application.

Conclusions

In this exercise you learnt to handle errors that might be caused while accessing the server using Angular $resource. In addition, you were able to update the information on the server when the user submits a comment about a dish through the comment form.