<https://www.lynda.com/Angular-tutorials/Controlling-authentication-pages/560052/571716-4.html?srchtrk=index%3a1%0alinktypeid%3a2%0aq%3afirebase+angular%0apage%3a1%0as%3arelevance%0asa%3atrue%0aproducttypeid%3a2>

<html>

<head>

<title>Angular JS Filters</title>

<script src = "https://ajax.googleapis.com/ajax/libs/angularjs/1.3.14/angular.min.js"></script>

<script src="https://www.gstatic.com/firebasejs/3.7.4/firebase.js"></script>

<script>

// Initialize Firebase

var config = {

apiKey: "AIzaSyCkxi75knUTHHjTwgYr60nqVrZkpkU2ypk",

authDomain: "angularregistration07-fecbc.firebaseapp.com",

databaseURL: "https://angularregistration07-fecbc.firebaseio.com",

projectId: "angularregistration07-fecbc",

storageBucket: "angularregistration07-fecbc.appspot.com",

messagingSenderId: "425889093816"

};

firebase.initializeApp(config);

</script>

<script src="https://cdn.firebase.com/libs/angularfire/2.3.0/angularfire.min.js"></script>

</head>

<body>

<h2>AngularJS Sample Application</h2>

<div ng-app = "mainApp" ng-controller = "studentController">

{{4+5}}

<button ng-click="register()">Register</button>

</div>

<script>

var mainApp = angular.module("mainApp", ['firebase']);

mainApp.factory('Authentication',function($rootScope,$firebaseAuth,$firebaseObject){

var obj={};

var ref = firebase.database().ref();

var auth = $firebaseAuth();

auth.$onAuthStateChanged(function(res){

if(res)

{

var userRef = ref.child('users').child(res.uid);

var userObj = $firebaseObject(userRef);

console.log('Current user is ')

console.log(userObj)

}

else

{

console.log('Empty user object')

}

});

obj.logout = function(){

console.log('Log out')

return auth.$signOut();

}

obj.requireAuth = function(){

return auth.$requireSignIn();

}

obj.login = function(user){

auth.$signInWithEmailAndPassword('pankaj.76136@gmail.com','123456').then(function(res){

console.log('The login response is ')

console.log(JSON.stringify(res));

}).catch(function(err){

console.log('Error is ')

console.log(JSON.stringify(err))

});

}

obj.registration = function(){

auth.$createUserWithEmailAndPassword('pankaj.76136@gmail.com','123456').then(function(res){

console.log('response is ')

console.log(JSON.stringify(res))

var regRef = ref.child('users').child(res.uid).set({

date : new Date(),

regUser : res.uid,

firstname : 'Pankaj',

lastname : 'kumar',

email : 'pankaj.7613@gmail.com'

})

}).catch(function(err){

console.log(err.message)

});

}

return obj;

});

mainApp.controller('studentController', function($scope,Authentication) {

var ans = Authentication.requireAuth();

console.log(ans)

});

</script>

</body>

</html>

**$onAuthStateChanged :** Detects when the user has logged in.

We get it called whenever any user gets logged in.

**$firebaseObject :** To get the object of user.It is a library

Controlling authentication on pages :

Require an configuration object in out routes.js

resolve : {

}

Whenever the promises gets rejected it will generate routechange error.

auth.$requireSignIn()

angular.module('myApp').run(function($rootScope,$location){

$rootScope.$on('$routeChangeError',function(){

$location.path('/login');

});

});

angular.module('myApp').config(['$routeProvider',function($routeProvider){

}

**Adding a form to create meeting** :

**Add two fields**

**1)meeting\_name**

**2)date**

Meetingname

auth.$onAuthStateChanged(function(authUser){

if(authUser)

{

var meetingRef = ref.child('users').child(authUser.uid).child('meetings');

var meetingInfo = $firebaseArray(meetingRef);

$scope.addMeeting = function(){

meetingInfo.$add({name : $scope.meetingname,date : new Date()}).then(function(response){

$scope.meetingname = '';

});

**Displaying Meetings :**

$scope.meetings = meetingInfo;

**Delete Meeting :**

meetingInfo.$remove(key);

**Add meetings link to the menubar**

<li ng-if="currentUser">

<a href="#/home"><span class="menu-icon fa fa-picture-o"></span>

Meetings </a></li>

**Showing count of meeting on the menubar :**

meetingInfo.$loaded().then(function(data){

$rootScope.countMeetings = meetingInfo.length;

});

**Watching the data changes :**

meetingInfo.$watch().then(function(data){

$rootScope.countMeetings = meetingInfo.length;

});

**Reference for all the functions :**

<https://github.com/firebase/angularfire/blob/master/docs/reference.md>

**Checkin for different users**

/checkins/:uid/:mid

$scope. whichUser = $routeParams.uid;

$scope. whichMeeting = $routeParams.mid;

var ref = firebase.database().ref().child(‘users’).child($scope.whichUser).child($scope.whichUser).child(‘meetings’).child($scope.whichMeeting).child(‘checkins’);

**$firebaseArray(ref).$add({});**

$scope.checkins = $firebaseArray(ref)

**Adding the random picker :**

$scope.recordId = ‘’;

$scope.pickRandom = function(){

var whichRecord = Math.round(Math.random()\*$scope.checkins.length);

$scope.recordId = $scope.checkins.$keyAt(whichRecord);

}

Now apply for the filter :

filter : {$id : recordId , $ : key}

done

Now,

**Giving gift to each member :**

Add a love icon in front of the member name.When clicked a form gets opened. Enter your gift inside the form. The gioft gets stored into the awards table inside the meeting member.

Note : we can delete the gift also through it’s key.

$scope.deleteGift = function(mycheckIn,key){

var refGift = ref.child(mycheckIn.$id).child(‘awards’).child(key)

var record = $firebaseObject(refGift);

record.$remove(key);

}

Also show the gifts for each members.

**Creating conditional styles :**

Application permission :

ng-show=”currentUser”

solved