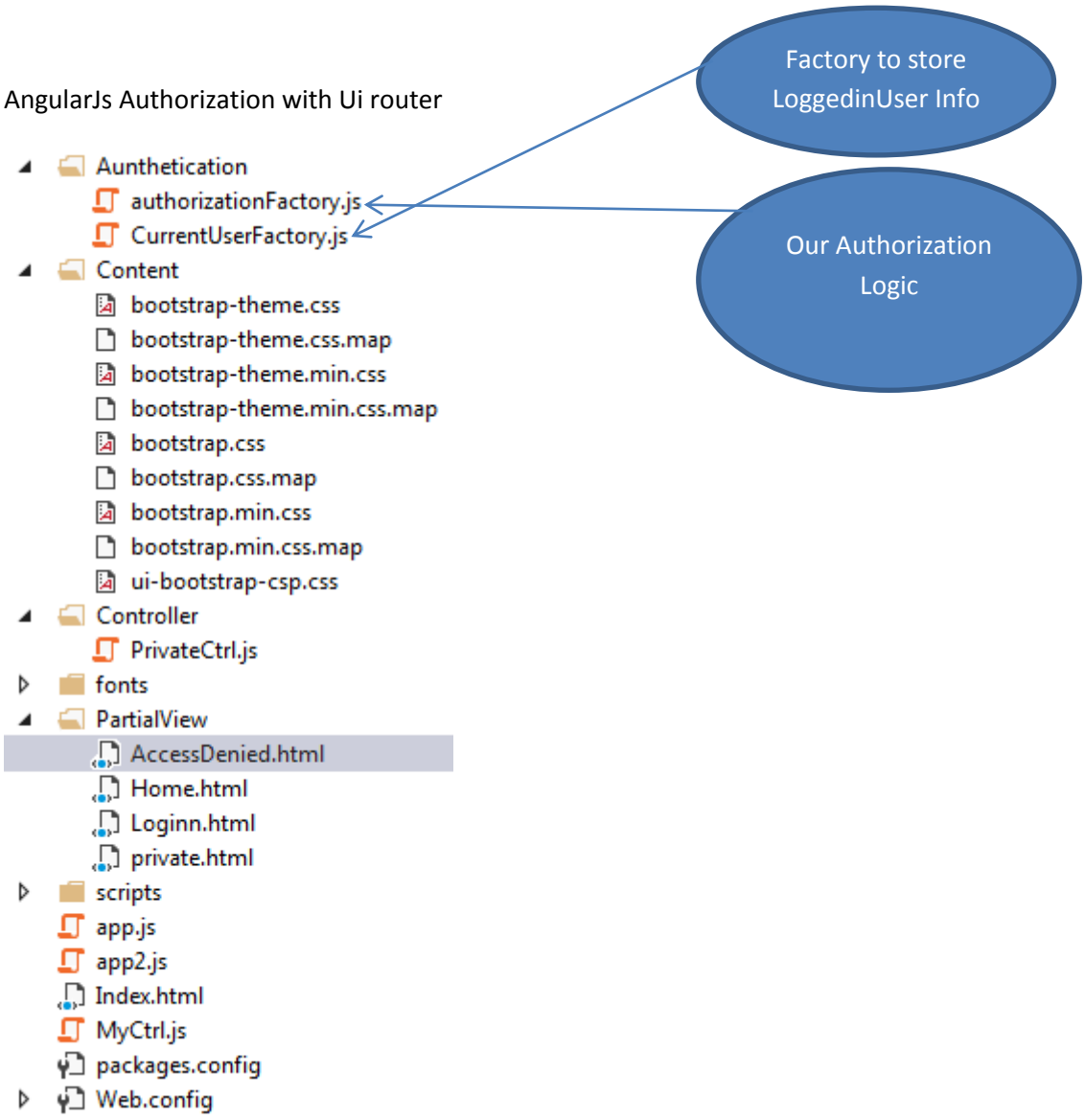
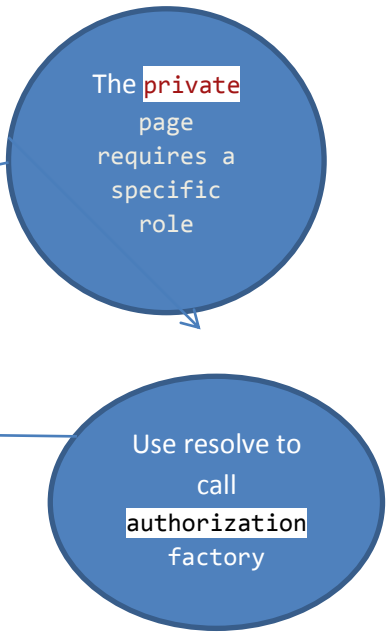
AngularJs Authorization with Ui router



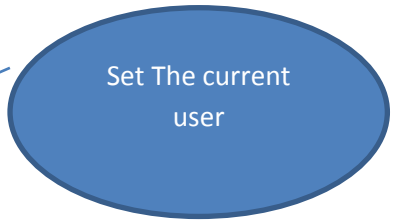
In app2.js

```
(
function () {
    var app = angular.module('demo', ['ui.router', 'CurrentUserFactoryModule']);
    app.config(function ($stateProvider, $urlRouterProvider) {

        $urlRouterProvider.otherwise("/");

        $stateProvider
        .state('home', {
            url: "/",
            templateUrl: "PartialView/Home.html",

        });
        $stateProvider
        .state('AccessDenied', {
            url: "/AccessDenied",
            templateUrl: "PartialView/AccessDenied.html",

        });
        $stateProvider
        .state('signInn', {
            url: "/signInn",
            templateUrl: "PartialView/Loginn.html"

        });

        $stateProvider
        .state('private', {
            url: "/private",
            templateUrl: "PartialView/private.html",
            data: {
                roles: ['Admin']
            },
            controller: "PrivateCtrl",
            resolve: {
                authorize: ['authorization',
                  function (authorization) {
                      return authorization.authorize();
                  }
                ]
            }
        });

    });

    app.run(['$rootScope', '$state', '$stateParams',
    function ($rootScope, $state, $stateParams) {
        $rootScope.$on('$stateChangeStart', function (event, toState, toStateParams) {
            $rootScope.toState = toState;
            $rootScope.toStateParams = toStateParams;

        });
    }
    ]);

}(

))
```



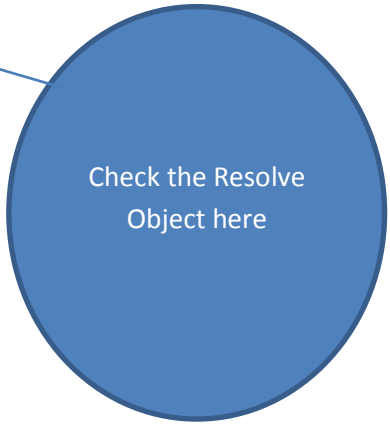
In MyCtrl.js

```
angular.module('demo').controller('HomeCtrl', ['$scope', '$state','CurrentUser',
    function ($scope, $state, CurrentUser) {
        $scope.User = {};

        $scope.signout = function () {
            principal.authenticate(null);
            $state.go('signin');

        }
        $scope.Loginn=function()
        {
            CurrentUser.setProfile($scope.User.UserId, $scope.User.Password, 'admin')
        }

    }
])
```



In PrivateCtrl.js

```
angular.module('demo').controller('PrivateCtrl', ['$scope', '$state', 'CurrentUser',
'authorize',
    function ($scope, $state, CurrentUser, authorize) {

        if(!authorize.IsloggedIn)
        {
            $state.go("signInn");
            return;
        }

        if (!authorize.role) {
            $state.go("AccessDenied");
        }
    }
])
```



In CurrentUserFactory.js

```
(
function () {
    var CurrentUserFactoryModule = angular.module("CurrentUserFactoryModule", []);
    angular.module("CurrentUserFactoryModule").factory("CurrentUser", CurrentUser);
    function CurrentUser() {
        var profile = {
            isLoggedIn: false,
            username: "",
            token: "",
            Role: ""
        };
        var setProfile = function (username, token, Role) {
            profile.username = username;
            profile.token = token;
            profile.isLoggedIn = true;
            profile.Role = Role;
        };

        var getProfile = function () {
            return profile;
        }

        return {
            setProfile: setProfile,
            getProfile: getProfile
        }
    }

}());
```

In authorizationFactory.js

```
angular.module('demo').factory('authorization', ['$rootScope', '$state',
'CurrentUser',
  function ($rootScope, $state, CurrentUser) {
      return {
          authorize: function () {

              var isAuthenticated = CurrentUser.getProfile();

              var Loginstatus = {};

              if (isAuthenticated.username=="")
              {
                  Loginstatus.IsloggedIn = false;
                  return Loginstatus;
              }
              else {
                  Loginstatus.IsloggedIn = true;
                  if ($rootScope.toState.data.roles &&
$rootScope.toState.data.roles.length > 0) {
                      for(var i=0;i<$rootScope.toState.data.roles.length ;i++)
                      {
                          if ($rootScope.toState.data.roles[i] ==
isAuthenticated.Role)
                          {
                              Loginstatus.role = true;
                          }

                         else
                         {
                              Loginstatus.role = false;
                         }
                      }
                  }


                  return Loginstatus;

              }
          }
      };
  }
])
```

In Index.html

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title></title>

    <link href="Content/bootstrap.css" rel="stylesheet" />
    <script src="scripts/angular.js"></script>
    <script src="scripts/angular-ui/ui-bootstrap-tpls.js"></script>
    <script src="scripts/angular-ui-router.js"></script>

    <script src="Aunthetication/CurrentUserFactory.js"></script>
    <script src="app2.js"></script>
    <script src="Aunthetication/authorizationFactory.js"></script>
    <script src="Controller/PrivateCtrl.js"></script>
    <script src="MyCtrl.js"></script>
</head>
<body ng-app="demo" ng-controller="HomeCtrl">
    <ul class="nav navbar-nav">
        <li id="liHome" ng-class="active"><a ui-sref="home">Home</a></li>

        <li id="FacilityManagementTemp"><a ui-sref="signInn">Loginn</a></li>

        <li id="FacilityManagementTemp"><a ui-sref="private">Restricated</a></li>
    </ul>
    <h1>Welcome</h1>

    <div data-ui-view></div>

</body>
</html>
```